

**PROVINCIA DI COSENZA**  
Settore Viabilità Corso Telesio - 87100 Cosenza



**PROGETTO DEFINITIVO/ESECUTIVO**

LAVORI DI COMPLETAMENTO RISTRUTTURAZIONE PONTE SUL TORRENTE SARACENO A  
KM 48+850 DELLA S.P. 253



TAV: 03	RELAZIONE DI CALCOLO
------------	----------------------

DATA 27/03/2023	IL RUP Geom. Roberto BARBIERI	PROGETTISTA E D.L. Ing. Pantaleo BORRELLI INGEGNERIA SERVIZI INTEGRATI SOCIETA' INGEGNERIA S.r.l.s. Via Santuario, 5 - 87010 SAN SOSTI (CS) C. F.: 03531450785 PEC: ingegneriasl@pec.it
--------------------	-------------------------------------	---

*Pantaleo Borrelli*



Il ponte in oggetto, è ubicato nel Comune di Trebisacce e risulta essere una infrastruttura di competenza dell'Amministrazione Provinciale di Cosenza.

Dagli elaborati recepiti è stato costruita con progetto del 1927 e successivamente è stato oggetto di un intervento di Variante nel 1938.

Allo stato attuale le dimensioni sono:

- larghezza della sede viabile di circa m. 6,20;
- lunghezza di circa ml. 60,00 composti da due impalcati ad Arco di circa 30 ml ciascuno, poggianti su due Spalle ed una Pila Centrale.

L'infrastruttura è dotata di marciapiedi di larghezza pari a circa ml. 1,50 sia a monte che a valle.

La diagnostica strutturale recepita riguarda gli elementi degli impalcati, mentre non risultano fornite informazioni necessarie per la caratterizzazione e la verifica delle spalle e della pila.

Sono presenti i rilievi dimensionali dell'impalcato ed è stata condotta una campagna di indagini sul calcestruzzo dell'opera.

I calcoli sono stati eseguiti adottando il metodo semiprobabilistico agli Stati Limite nel rispetto delle prescrizioni di tutte le norme vigenti in materia (D.M. del 17.01.2018).

Le sollecitazioni sono state calcolate con gli usuali metodi previsti dalla scienza delle costruzioni.

## **PROCEDURA PER LA VALUTAZIONE DELLA SICUREZZA STRUTTURALE**

Definire lo stato delle costruzioni esistenti dal punto di vista della sicurezza statica e sismica segue determinate fasi:

### **I° FASE - VALUTAZIONE DELLO STATO DI FATTO - DIAGNOSTICA STRUTTURALE**

Il modello per la valutazione della sicurezza dovrà essere definito e giustificato, caso per caso, in relazione al comportamento strutturale attendibile della costruzione, tenendo conto delle indicazioni generali di seguito esposte.

### **ANALISI STORICO-CRITICA**

Ai fini di una corretta individuazione del sistema strutturale esistente e del suo stato di sollecitazione è importante ricostruire il processo di realizzazione e le successive modificazioni subite nel tempo dal manufatto, nonché gli eventi che lo hanno interessato.



Risulta quindi necessario ricostruire la storia progettuale ed esecutiva della costruzione attraverso una ricerca archivistica, al fine di raccogliere una documentazione sufficientemente completa.

La ricostruzione della storia edificatoria della costruzione, consentirà anche di verificare quanti e quali terremoti esso abbia subito in passato. Questa valutazione sperimentale della vulnerabilità sismica della infrastruttura rispetto ai terremoti passati è di notevole utilità, perché consente di valutarne il funzionamento, a patto che la sua configurazione strutturale e le caratteristiche dei materiali costruttivi non siano stati, nel frattempo, modificati in maniera significativa.

Sulla base dei dati raccolti nella fase di ricerca storica, si possono trarre conclusioni di tipo operativo per la modellazione meccanica globale della costruzione.

## **RILIEVO**

Il rilievo geometrico-strutturale dovrà essere riferito sia alla geometria complessiva dell'organismo che a quella degli elementi costruttivi, comprendendo i rapporti con le eventuali strutture in aderenza. Nel rilievo dovranno essere rappresentate le modificazioni intervenute nel tempo, come desunte dall'analisi storico-critica.

Il rilievo deve individuare l'organismo resistente della costruzione, tenendo anche presente la qualità e lo stato di conservazione dei materiali e degli elementi costitutivi.

Dovranno altresì essere rilevati i dissesti, in atto o stabilizzati, ponendo particolare attenzione all'individuazione dei quadri fessurativi e dei meccanismi di danno.

## **CARATTERIZZAZIONE MECCANICA DEI MATERIALI**

Per conseguire un'adeguata conoscenza delle caratteristiche dei materiali e del loro degrado, ci si baserà su documentazione già disponibile (progetti strutturali), su verifiche visive in situ e su indagini sperimentali. Le indagini dovranno essere motivate, per tipo e quantità, dal loro effettivo uso nelle verifiche. I valori delle resistenze meccaniche dei materiali vengono valutati sulla base delle prove effettuate sulla struttura e prescindono dalle classi discretizzate previste nelle norme per le nuove costruzioni.

## **FASE VERIFICA DEL COMPLESSO STRUTTURALE - VALUTAZIONE DELLA SICUREZZA**



Sulla base dei dati ricavati dallo sviluppo della prima fase si potrà procedere alla verifica del complesso strutturale secondo le procedure individuate dal D.M. del 17/01/2018

La valutazione della sicurezza delle costruzioni esistenti potrà essere eseguita con riferimento ai soli SLU; nel caso in cui si effettui la verifica anche nei confronti degli SLE i relativi livelli di prestazione possono essere stabiliti dal Progettista di concerto con il Committente.

Le Verifiche agli SLU possono essere eseguite rispetto alla condizione di:

- salvaguardia della vita umana (SLV);
- in alternativa, alla condizione di collasso (SLC).

### **LIVELLI DI CONOSCENZA E FATTORI DI CONFIDENZA**

Sulla base degli approfondimenti effettuati nella prima fase conoscitiva, saranno individuati i "livelli di conoscenza" dei diversi parametri coinvolti nel modello (geometria, dettagli costruttivi e materiali), e definiti i correlati fattori di confidenza, da utilizzare come ulteriori coefficienti parziali di sicurezza che tengono conto delle carenze nella conoscenza dei parametri del modello.

" Con riferimento al livello di conoscenza acquisito, si possono definire i valori medi dei parametri meccanici ed i fattori di confidenza secondo quanto segue:

- il livello di conoscenza **LC3** si intende raggiunto quando siano stati effettuati:
  - il rilievo geometrico,
  - verifiche in situ estese ed esaustive sui dettagli costruttivi,
  - indagini in situ esaustive sulle proprietà dei materiali.

Il corrispondente fattore di confidenza è **FC= 1**.

- il livello di conoscenza **LC2** si intende raggiunto quando siano stati effettuati:
  - il rilievo geometrico,
  - verifiche in situ estese ed esaustive sui dettagli costruttivi,
  - indagini in situ estese sulle proprietà dei materiali.

Il corrispondente fattore di confidenza è **FC=1,2**.

- il livello di conoscenza **LC1** si intende raggiunto quando siano stati effettuati:
  - il rilievo geometrico,



- verifiche in situ limitate sui dettagli costruttivi
- indagini in situ limitate sulle proprietà dei materiali;

Il corrispondente fattore di confidenza è **FC= 1,35**.

## **AZIONI SULLE STRUTTURE**

I valori delle azioni e le loro combinazioni da considerare nel calcolo, sia per la valutazione della sicurezza sia per il progetto degli interventi, sono quelle definite dal D.M. del 17/01/2018 per le nuove costruzioni.

## **METODI DI ANALISI E CRITERI DI VERIFICA**

Nella valutazione della sicurezza sulle costruzioni esistenti soggette ad azioni sismiche, particolare attenzione sarà posta agli aspetti che riguardano la duttilità. Si dovranno quindi assumere le informazioni necessarie a valutare se i dettagli costruttivi, i materiali utilizzati e i meccanismi resistenti siano in grado di continuare a sostenere cicli di sollecitazioni o deformazioni anche dopo il superamento delle soglie di plasticizzazione o di frattura.

## **I FASE - VALUTAZIONE DELLO STATO DI FATTO**

### **ANALISI STORICO-CRITICA**

### **DOCUMENTAZIONE PROGETTUALE ORIGINARIA E DEGLI INTERVENTI SUCCESSIVI**

Il progetto originario del 1927, la successiva variante del 1938, nonché il progetto depositato presso..... è stato confrontato con un preciso rilievo geometrico ed una campagna di prove sulle caratteristiche dei materiali di cui fa parte.

### **RILIEVO E VERIFICA DELLA GEOMETRIA DELLE STRUTTURE**

Si è proceduto successivamente a verificare la geometria complessiva della costruzione oltre che le dimensioni e posizioni dei vari elementi strutturali.

### **VERIFICA DELLE MODALITÀ ESECUTIVE DEI VARI ELEMENTI STRUTTURALI E CARATTERIZZAZIONE MECCANICA DEI MATERIALI CALCESTRUZZI**

Per caratterizzare le resistenze meccaniche degli elementi strutturali sono state recepite le valutazioni delle prove di Laboratorio eseguite da PREMAC.



## **II° FASE - VERIFICA STRUTTURALE**

### **LIVELLI DI CONOSCENZA E FATTORI DI CONFIDENZA**

Nell'analisi delle strutture dell'infrastruttura viaria interessata in funzione dell'importanza dei singoli elementi strutturali oggetto di indagine sono state eseguite indagini e prove più o meno approfondite e di conseguenza saranno adottati i corrispondenti livelli di conoscenza.

#### **ELEMENTI DELL' IMPALCATO:**

Per i presenti elementi strutturali è stato adottato un livello di conoscenza "LC2: Conoscenza adeguata" che corrisponde ad un fattore di confidenza **FC = 1,20**.



## **MODALITA' DI ELABORAZIONE DEL CALCOLO**

Per l'elaborazione del calcolo e della verifica delle strutture in oggetto, si è proceduto alla predisposizione di un modello di calcolo agli elementi finiti tridimensionale, che riproducono fedelmente le strutture per sia quanto riguarda dimensioni, che per caratteristiche dei materiali utilizzati, vincoli interni ed esterni e modalità di carico.

## **AZIONI SULLE STRUTTURE**

I carichi ed i sovraccarichi sulle strutture vengono assunti in conformità al D.M. 17.01.2018

"Norme tecniche per le costruzioni" ed alla relativa circolare esplicativa.

## **AZIONI PERMANENTI**

Le azioni permanenti considerate sono:

- Peso proprio degli elementi strutturali e non strutturali:  $g_1$
- Carichi permanenti portanti:  $g_2$  (pavimentazione stradale, marciapiedi, sicurvia, ringhiere, attrezzature stradali).
- Altre azioni permanenti:  $g_3$  (spinta delle terre, spinta idraulica, ecc.).
- Deformazioni impresse

Le deformazioni impresse che vengono considerate sono:

- Distorsioni e presollecitazioni di progetto; Ai fini delle verifiche si devono considerare gli effetti delle distorsioni e delle presollecitazioni eventualmente previsti in progetto;
- $\epsilon_1$  ritiro e viscosità (in accordo alle NTC);
- $\epsilon_2$  variazioni termiche.

Inoltre tali valori caratteristici saranno amplificati mediante i coefficienti parziali di sicurezza  $\gamma_{g1}$  e  $\gamma_{g2}$  definiti in Tab. 5.1.V di normativa



Tab. 5.1.V – Coefficienti parziali di sicurezza per le combinazioni di carico agli SLU

		Coefficiente	EQU <sup>(n)</sup>	A1	A2
Azioni permanenti $g_1$ e $g_3$	favorevoli sfavorevoli	$\gamma_{G1}$ e $\gamma_{G3}$	0,90 1,10	1,00 1,35	1,00 1,00
Azioni permanenti non strutturali <sup>(2)</sup> $g_2$	favorevoli sfavorevoli	$\gamma_{G2}$	0,00 1,50	0,00 1,50	0,00 1,30
Azioni variabili da traffico	favorevoli sfavorevoli	$\gamma_Q$	0,00 1,35	0,00 1,35	0,00 1,15
Azioni variabili	favorevoli sfavorevoli	$\gamma_{Qi}$	0,00 1,50	0,00 1,50	0,00 1,30
Distorsioni e presollecitazioni di progetto	favorevoli sfavorevoli	$\gamma_{\varepsilon 1}$	0,90 1,00 <sup>(3)</sup>	1,00 1,00 <sup>(4)</sup>	1,00 1,00
Ritiro e viscosità, Cedimenti vincolari	favorevoli sfavorevoli	$\gamma_{\varepsilon 2}, \gamma_{\varepsilon 3}, \gamma_{\varepsilon 4}$	0,00 1,20	0,00 1,20	0,00 1,00

CARICHI VARIABILI DA TRAFFICO

I carichi variabili da traffico sono definiti dagli schemi di carico descritti nelle NTC18 al par. 5.1.3.3.3, disposti su corsie convenzionali.

DEFINIZIONI DELLE CORSIE CONVENZIONALI

Le larghezze  $w_l$  delle corsie convenzionali sulla superficie carrabile ed il massimo numero (intero) possibile di tali corsie su di essa sono indicati nel prospetto seguente:

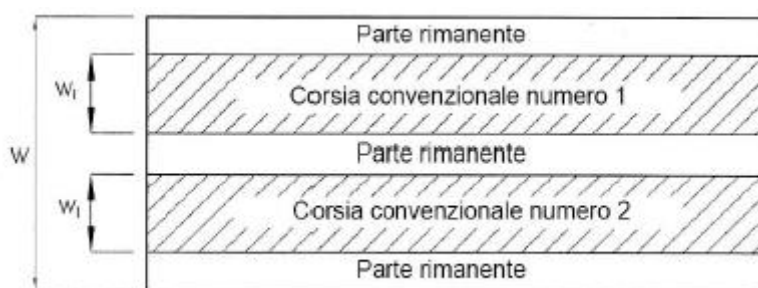
Larghezza della superficie carrabile “ $w$ ”	Numero di corsie convenzionali	Larghezza di una corsia convenzionale [m]	Larghezza della zona rimanente [m]
$w < 5,40$ m	$n_l = 1$	3,00	$(w-3,00)$
$5,4 \leq w < 6,0$ m	$n_l = 2$	$w/2$	0
$6,0$ m $\leq w$	$n_l = \text{Int}(w/3)$	3,00	$w - (3,00 \times n_l)$

Numero e larghezza delle corsie



Se non diversamente specificato, qualora la carreggiata di un impalcato da ponte sia divisa in due parti separate da una zona spartitraffico centrale, si distinguono i casi seguenti

1. se le parti sono separate da una barriera di sicurezza fissa, ciascuna parte, incluse tutte le corsie di emergenza e le banchine, è autonomamente divisa in corsie convenzionali;
2. se le parti sono separate da barriere di sicurezza mobili o da altro dispositivo di ritenuta, l'intera carreggiata, inclusa la zona spartitraffico centrale, è divisa in corsie convenzionali.



La disposizione e la numerazione delle corsie va determinata in modo da indurre le più sfavorevoli condizioni di progetto. Per ogni singola verifica il numero di corsie da considerare caricate, la loro disposizione sulla superficie carrabile e la loro numerazione vanno scelte in modo che gli effetti della disposizione dei carichi risultino i più sfavorevoli. La corsia che, caricata, dà l'effetto più sfavorevole è numerata come corsia Numero 1; la corsia che dà il successivo effetto più sfavorevole è numerata come corsia Numero 2, etc.

Quando la superficie carrabile è costituita da due parti separate portate da uno stesso impalcato, le corsie sono numerate considerando l'intera superficie carrabile, cosicché vi è solo una corsia 1, solo una corsia 2 etc., che possono appartenere alternativamente ad una delle due parti.

Quando la superficie carrabile consiste di due parti separate portate da due impalcati indipendenti, per il progetto di ciascun impalcato si adottano numerazioni indipendenti. Quando, invece, gli impalcati indipendenti sono portati da una singola pila o da una singola spalla, per il progetto della pila o della spalla si adotta un'unica numerazione per le due parti.

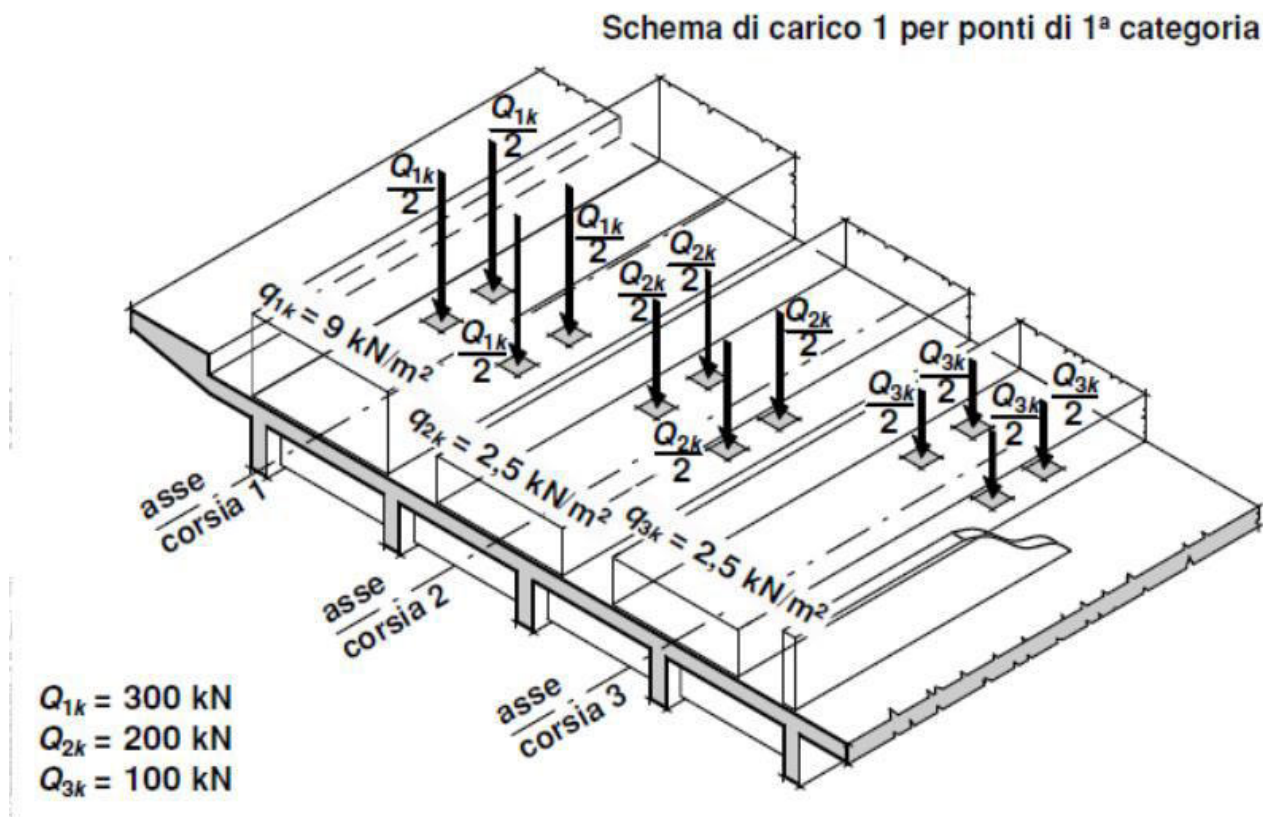
Per ciascuna singola verifica e per ciascuna corsia convenzionale si applicano gli Schemi di Carico definiti nel seguito per una lunghezza e per una disposizione longitudinale tali da ottenere l'effetto più sfavorevole.



## SCHEMI DI CARICO

Le azioni variabili del traffico, comprensive degli effetti dinamici, sono definite dai seguenti Schemi di Carico:

- Schema di carico 1: è costituito da carichi concentrati su due assi in tandem, applicati su impronte di pneumatico di forma quadrata e lato 0,40 m, e da carichi uniformemente distribuiti come mostrato in Fig. 81. Questo schema è da assumere a riferimento sia per le verifiche globali, sia per le verifiche locali, considerando un solo carico tandem per corsia, disposto in asse alla corsia stessa. Il carico tandem, se presente, va considerato per intero.



Schemi di carico 6. a, b, c: In assenza di studi specifici ed in alternativa al modello di carico principale, generalmente cautelativo, per opere di luce maggiore di 300 m, ai fini della statica complessiva del ponte, si può far riferimento ai seguenti carichi  $q_{L,a}, q_{L,b}, q_{L,c}$ :

$$q_{L,a} = 128,95 \left( \frac{1}{L} \right)^{0,25} \quad [\text{KN/m}]$$

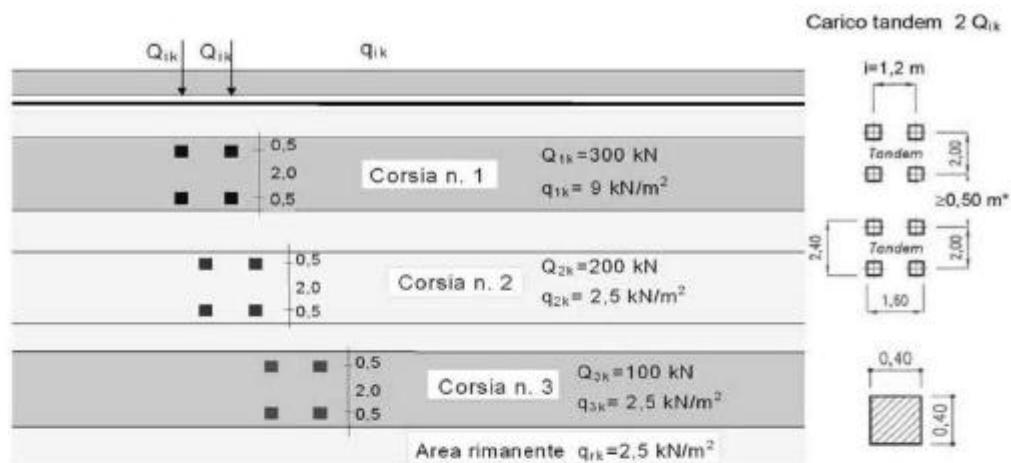
$$q_{L,b} = 88,71 \left( \frac{1}{L} \right)^{0,38} \quad [\text{KN/m}]$$

$$q_{L,c} = 77,12 \left( \frac{1}{L} \right)^{0,38} \quad [\text{KN/m}]$$

con L lunghezza della zona caricata in metri.

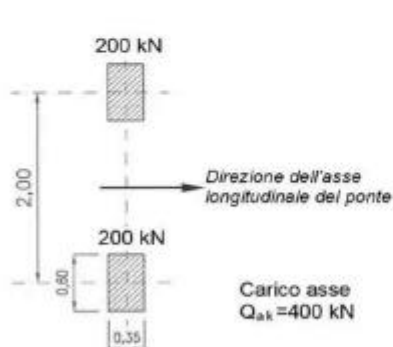
Di seguito si riportano gli schemi di carico come da normativa:



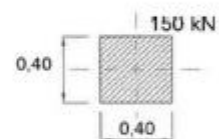


Schema di carico 1 (dimensioni in [m])

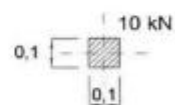
\*per  $w \leq 2.90 \text{ m}$



Schema di carico 2 (dimensioni in [m])



Schema di carico 3 (dimensioni in [m])



Schema di carico 4 (dimensioni in [m])



Schema di carico 5





**Relazione di calcolo strutturale impostata e redatta 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:	START-UP (build 2022-06-196)
Produttore-Distributore:	2S.I. Software e Servizi per l'Ingegneria s.r.l. Via Garibaldi, 90 44121 Ferrara FE ( Italy) Tel. +39 0532 200091 <a href="http://www.2si.it">www.2si.it</a>

Descrizione	
Progetto	
Ubicazione	Comune di TREBISACCE (CS) (Regione CALABRIA)
	Località TREBISACCE (CS)
	Longitudine 16.531, Latitudine 39.866
Progettista	

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” disponibile per il download sul sito: <https://www.2si.it/it/prodotti/affidabilita/>







Contenuti della relazione:

RELAZIONE DI CALCOLO STRUTTURALE

- *Origine e Caratteristiche dei Codici di Calcolo*
- *Affidabilità dei codici utilizzati*
- *Validazione dei codici*
- *Tipo di analisi svolta*
- *Modalità di presentazione dei risultati*
- *Informazioni generali sull'elaborazione*
- *Giudizio motivato di accettabilità dei risultati*

STAMPA DEI DATI DI INGRESSO

- *Normative prese a riferimento*
- *Criteri adottati per le misure di sicurezza*
- *Criteri seguiti nella schematizzazione della struttura, dei vincoli e delle sconnessioni*
- *Interazione tra terreno e struttura*
- *Legami costitutivi adottati per la modellazione dei materiali e dei terreni*
- *Schematizzazione delle azioni, condizioni e combinazioni di carico*
- *Metodologie numeriche utilizzate per l'analisi strutturale*
- *Metodologie numeriche utilizzate per la progettazione e la verifica degli elementi strutturali*

STAMPA DEI RISULTATI

Il Progettista:



12 febbraio 2023

INTESTAZIONE E CONTENUTI DELLA RELAZIONE .....	<b>Errore. Il segnalibro non è definito.</b>
Progetto .....	<b>Errore. Il segnalibro non è definito.</b>
RELAZIONE DI CALCOLO STRUTTURALE .....	16
Premessa .....	16
Analisi storico-critica ed esito del rilievo geometrico-strutturale.....	16
Analisi storico-critica .....	16
Esito del rilievo geometrico-strutturale .....	16
Descrizione generale dell’opera .....	16
Descrizione generale dell’opera .....	16
Principali caratteristiche della struttura.....	16
Parametri della struttura .....	17
Fattore di struttura .....	<b>Errore. Il segnalibro non è definito.</b>
Quadro normativo di riferimento adottato.....	17
Progetto-verifica degli elementi.....	17
Azione sismica .....	17
Livelli di conoscenza e fattori di confidenza.....	17
Azioni di progetto sulla costruzione .....	17
Modello numerico .....	18
Tipo di analisi strutturale.....	18
Informazioni sul codice di calcolo.....	18
Affidabilità dei codici utilizzati.....	19
Modellazione della geometria e proprietà meccaniche:.....	19
Dimensione del modello strutturale [cm]: .....	19
Strutture verticali: .....	19
Strutture non verticali: .....	19
Orizzontamenti: .....	19
Tipo di vincoli:.....	19
Modellazione delle azioni.....	20
Combinazioni e/o percorsi di carico .....	20
Combinazioni dei casi di carico.....	20
Principali risultati.....	20
Informazioni generali sull’elaborazione e giudizio motivato di accettabilità dei risultati. ....	21
Verifiche agli stati limite ultimi.....	21
Verifiche agli stati limite di esercizio .....	21
RELAZIONE SUI MATERIALI .....	21



NORMATIVA DI RIFERIMENTO.....23

CARATTERISTICHE MATERIALI UTILIZZATI .....25

    LEGENDA TABELLA DATI MATERIALI .....25

EDIFICI ESISTENTI: INTERVENTI DI RINFORZO .....29

    LEGENDA TABELLE INTERVENTI DI RINFORZO.....29

MODELLAZIONE DELLE SEZIONI.....34

    LEGENDA TABELLA DATI SEZIONI .....34

MODELLAZIONE STRUTTURA: NODI .....36

    LEGENDA TABELLA DATI NODI .....36

        TABELLA DATI NODI.....36

MODELLAZIONE STRUTTURA: ELEMENTI TRAVE.....38

    TABELLA DATI TRAVI.....38

MODELLAZIONE DELLA STRUTTURA: ELEMENTI SOLAIO-PANNELLO.....41

    LEGENDA TABELLA DATI SOLAI-PANNELLI.....41

MODELLAZIONE DELLE AZIONI .....45

    LEGENDA TABELLA DATI AZIONI .....45

SCHEMATIZZAZIONE DEI CASI DI CARICO .....47

    LEGENDA TABELLA CASI DI CARICO .....47

DEFINIZIONE DELLE COMBINAZIONI .....49

    LEGENDA TABELLA COMBINAZIONI DI CARICO .....49

AZIONE SISMICA .....53

    VALUTAZIONE DELL’ AZIONE SISMICA.....53

        Parametri della struttura .....53

RISULTATI ANALISI SISMICHE .....56

    LEGENDA TABELLA ANALISI SISMICHE.....56

RISULTATI NODALI .....71

    LEGENDA RISULTATI NODALI.....71

RISULTATI ELEMENTI TIPO TRAVE .....90

    LEGENDA RISULTATI ELEMENTI TIPO TRAVE.....90



# RELAZIONE DI CALCOLO STRUTTURALE

## Premessa

La presente relazione di calcolo strutturale, in conformità al §10.1 del DM 17/01/18, è comprensiva di una descrizione generale dell’opera e dei criteri generali di analisi e verifica. Segue inoltre le indicazioni fornite al §10.2 del DM stesso per quanto concerne analisi e verifiche svolte con l’ausilio di codici di calcolo.

Nella presente parte sono riportati i principali elementi di inquadramento del progetto esecutivo riguardante le strutture, in relazione agli strumenti urbanistici, al progetto architettonico, al progetto delle componenti tecnologiche in generale ed alle prestazioni attese dalla struttura.

## Analisi storico-critica ed esito del rilievo geometrico-strutturale

Per edifici esistenti, in coerenza con il paragrafo 8.2 delle NTC-18, l’analisi storico-critica ed il rilievo geometrico-strutturale devono evidenziare i seguenti aspetti: (a) la costruzione riflette lo stato delle conoscenze al tempo della sua realizzazione; (b) possono essere insiti e non palesi difetti di impostazione e di realizzazione; (c) la costruzione può essere stata soggetta ad azioni, anche eccezionali, i cui effetti non siano completamente manifesti; (d) le strutture possono presentare degrado e/o modificazioni significative rispetto alla situazione originaria.

### Analisi storico-critica

Per edifici esistenti, viene indicata la documentazione reperita e vengono esplicitate le informazioni desunte da ciascuno dei documenti esaminati per le finalità indicate al paragrafo 8.5.1 delle NTC-18.

### Esito del rilievo geometrico-strutturale

Per edifici esistenti, vengono descritte le modalità con cui è stato effettuato il rilievo geometrico strutturale e gli esiti di quest’ultimo, anche con riferimenti espliciti e puntuali agli elaborati grafici che saranno riportati nella parte “4.1. Rilievo geometrico-strutturale”. Il rilievo delle strutture deve essere eseguito e restituito secondo le modalità e con le finalità riportate nei paragrafi 8.5.2 e 8.7 delle NTC-18.

## Descrizione generale dell’opera

Descrizione generale dell’opera	
Fabbricato ad uso	
Ubicazione	Comune di TREBISACCE (CS) (Regione CALABRIA)
	Località TREBISACCE (CS)
	Longitudine 16.531, Latitudine 39.866
Numero di piani	Fuori terra
	Interrati
	le dimensioni dell’opera in pianta sono racchiuse in un rettangolo di
Numero vani scale	
Numero vani ascensore	
Tipo di fondazione	

Principali caratteristiche della struttura	
Struttura regolare in pianta	
Struttura regolare in altezza	



Classe di duttilità	
Travi: ricalate o in spessore	
Pilastri	
Pilastri in falso	
Tipo di fondazione	
Condizioni per cui è necessario considerare la componente verticale del sisma	

Parametri della struttura			
Classe d'uso	Vita [anni]	Vn Coeff. Uso	Periodo Vr [anni]
IV	100.0	2.0	200.0

### Quadro normativo di riferimento adottato

Le norme ed i documenti assunti quale riferimento per la progettazione strutturale vengono indicati di seguito. Nel capitolo “normativa di riferimento” è comunque presente l'elenco completo delle normative disponibili.

Progetto-verifica degli elementi	
Progetto cemento armato	D.M. 17-01-2018
Progetto acciaio	D.M. 17-01-2018
Progetto legno	D.M. 17-01-2018
Progetto muratura	D.M. 17-01-2018
Azione sismica	
Norma applicata per l' azione sismica	D.M. 17-01-2018

### Livelli di conoscenza e fattori di confidenza

Il livello di conoscenza, per edifici esistenti è LC2  
Pertanto il fattore di confidenza è FC=1,2

### Azioni di progetto sulla costruzione

Nei capitoli “modellazione delle azioni” e “schematizzazione dei casi di carico” sono indicate le azioni sulla costruzione.

Nel prosieguo si indicano il tipo di analisi strutturale condotta (statico, dinamico, lineare o non lineare) e il metodo adottato per la risoluzione del problema strutturale nonché le metodologie seguite per la verifica o per il progetto-verifica delle sezioni. Si riportano le combinazioni di carico adottate e, nel caso di calcoli non lineari, i percorsi di carico seguiti; le configurazioni studiate per la struttura in esame *sono risultate effettivamente esaustive per la progettazione-verifica*.

La verifica della sicurezza degli elementi strutturali avviene con i metodi della scienza delle costruzioni. L'analisi strutturale è condotta con il metodo degli spostamenti per la valutazione dello stato tensodeformativo indotto da carichi statici. L'analisi strutturale è condotta con il metodo dell'analisi modale e dello spettro di risposta in termini di accelerazione per la valutazione dello stato tensodeformativo indotto da carichi dinamici (tra cui quelli di tipo sismico).

L'analisi strutturale viene effettuata con il metodo degli elementi finiti. Il metodo sopraindicato si basa sulla schematizzazione della struttura in elementi connessi solo in corrispondenza di un numero prefissato di punti denominati nodi. I nodi sono definiti dalle tre coordinate cartesiane in un sistema di riferimento globale. Le incognite del problema (nell'ambito del metodo degli spostamenti) sono le componenti di spostamento dei nodi riferite al sistema di riferimento globale (traslazioni secondo X, Y, Z, rotazioni attorno X, Y, Z). La soluzione del problema si ottiene con un sistema di equazioni algebriche lineari i cui termini noti sono costituiti dai carichi



agenti sulla struttura opportunamente concentrati ai nodi:

$K \cdot u = F$       dove     $K$  = matrice di rigidezza  
                          $u$  = vettore spostamenti nodali  
                          $F$  = vettore forze nodali

Dagli spostamenti ottenuti con la risoluzione del sistema vengono quindi dedotte le sollecitazioni e/o le tensioni di ogni elemento, riferite generalmente ad una terna locale all'elemento stesso.

Il sistema di riferimento utilizzato è costituito da una terna cartesiana destrorsa XYZ. Si assume l'asse Z verticale ed orientato verso l'alto.

Gli elementi utilizzati per la modellazione dello schema statico della struttura sono i seguenti:

Elemento tipo <b>TRUSS</b>	(biella-D2)
Elemento tipo <b>BEAM</b>	(trave-D2)
Elemento tipo <b>MEMBRANE</b>	(membrana-D3)
Elemento tipo <b>PLATE</b>	(piastra-guscio-D3)
Elemento tipo <b>BOUNDARY</b>	(molla)
Elemento tipo <b>STIFFNESS</b>	(matrice di rigidezza)
Elemento tipo <b>BRICK</b>	(elemento solido)
Elemento tipo <b>SOLAIO</b>	(macro elemento composto da più membrane)

Modello numerico

In questa parte viene descritto il modello numerico utilizzato (o i modelli numerici utilizzati) per l'analisi della struttura. La presentazione delle informazioni deve essere, coerentemente con le prescrizioni del paragrafo 10.2 e relativi sottoparagrafi delle NTC-18, tale da garantirne la leggibilità, la corretta interpretazione e la riproducibilità

Tipo di analisi strutturale	
Sismica statica lineare	NO
Sismica dinamica lineare	SI
Sismica statica non lineare (prop. masse)	NO
Sismica statica non lineare (prop. modo)	NO
Sismica statica non lineare (triangolare)	NO
Non linearità geometriche (fattore P delta)	NO
Analisi lineare	SI

Di seguito si indicano l'origine e le caratteristiche dei codici di calcolo utilizzati riportando titolo, produttore e distributore, versione, estremi della licenza d'uso:

Informazioni sul codice di calcolo	
Titolo:	PRO_SAP PROfessional Structural Analysis Program
Versione:	START-UP (build 2022-06-196)
Produttore-Distributore:	2S.I. Software e Servizi per l'Ingegneria s.r.l., Ferrara



Dati utente finale:	***** COMPLETARE *****
Codice Utente:	***** COMPLETARE *****
Codice Licenza:	Licenza non individuata

Un attento esame preliminare della documentazione a corredo del software **ha consentito di valutarne l'affidabilità e soprattutto l'idoneità al caso specifico**. La documentazione, fornita dal produttore e distributore del software, contiene una esauriente descrizione delle basi teoriche e degli algoritmi impiegati, l'individuazione dei campi d'impiego, nonché casi prova interamente risolti e commentati, corredati dei file di input necessari a riprodurre l'elaborazione:

<b>Affidabilità dei codici utilizzati</b>
2S.I. ha verificato l'affidabilità e la robustezza del codice di calcolo attraverso un numero significativo di casi prova in cui i risultati dell'analisi numerica sono stati confrontati con soluzioni teoriche. E' possibile reperire la documentazione contenente alcuni dei più significativi casi trattati al seguente link: <a href="http://www.2si.it/Software/Affidabilità.htm">http://www.2si.it/Software/Affidabilità.htm</a>

<b>Modellazione della geometria e proprietà meccaniche:</b>	
nodi	96
elementi D2 (per aste, travi, pilastri...)	151
elementi D3 (per pareti, platee, gusci...)	0
elementi solaio	61
elementi solidi	0
<b>Dimensione del modello strutturale [cm]:</b>	
X min =	0.00
Xmax =	3000.00
Ymin =	-100.00
Ymax =	740.00
Zmin =	0.00
Zmax =	532.00
<b>Strutture verticali:</b>	
Elementi di tipo asta	NO
Pilastri	SI
Pareti	NO
Setti (a comportamento membranale)	NO
<b>Strutture non verticali:</b>	
Elementi di tipo asta	NO
Travi	SI
Gusci	NO
Membrane	NO
<b>Orizzontamenti:</b>	
Solai con la proprietà piano rigido	SI
Solai senza la proprietà piano rigido	NO
<b>Tipo di vincoli:</b>	
Nodi vincolati rigidamente	SI
Nodi vincolati elasticamente	NO
Nodi con isolatori sismici	NO
Fondazioni puntuali (plinti/plinti su palo)	NO



Fondazioni di tipo trave	NO
Fondazioni di tipo platea	NO
Fondazioni con elementi solidi	NO

Modellazione delle azioni

Si veda il capitolo **“Schematizzazione dei casi di carico”** per le informazioni necessarie alla comprensione ed alla ricostruzione delle azioni applicate al modello numerico, coerentemente con quanto indicato nella parte *“2.6. Azioni di progetto sulla costruzione”*.

Combinazioni e/o percorsi di carico

Si veda il capitolo **“Definizione delle combinazioni”** in cui sono indicate le combinazioni di carico adottate e, nel caso di calcoli non lineari, i percorsi di carico seguiti.

Combinazioni dei casi di carico	
APPROCCIO PROGETTUALE	Approccio 2
Tensioni ammissibili	NO
SLU	SI
SLV (SLU con sisma)	SI
SLC	NO
SLD	SI
SLO	NO
SLU GEO A2 (per approccio 1)	NO
SLU EQU	NO
Combinazione caratteristica (rara)	SI
Combinazione frequente	SI
Combinazione quasi permanente (SLE)	SI
SLA (accidentale quale incendio)	NO

Principali risultati
<p>I risultati devono costituire una sintesi completa ed efficace, presentata in modo da riassumere il comportamento della struttura, per ogni tipo di analisi svolta.</p> <p>2.8.1. Risultati dell'analisi modale</p> <p>Viene riportato il tipo di analisi modale condotta, restituiti i risultati della stessa e valutate le informazioni desumibili in merito al comportamento della struttura.</p> <p>2.8.2. Deformate e sollecitazioni per condizioni di carico</p> <p>Vengono riportati i principali risultati atti a descrivere il comportamento della struttura, in termini di stati di sollecitazione e di deformazione generalizzata, distinti per condizione elementare di carico o per combinazioni omogenee delle stesse.</p> <p>2.8.3. Inviluppo delle sollecitazioni maggiormente significative.</p> <p>L'analisi e la restituzione degli inviluppi (nelle combinazioni considerate agli SLU e agli SLE) delle caratteristiche di sollecitazione devono essere finalizzate alla valutazione dello stato di sollecitazione nei diversi elementi della struttura.</p> <p>2.8.4. Reazioni vincolari</p> <p>Vengono riportate le reazioni dei vincoli nelle singole condizioni di carico e/o nelle combinazioni considerate.</p> <p>2.8.5. Altri risultati significativi</p> <p>Nella presente parte vengono riportati tutti gli altri risultati che il progettista ritiene di interesse per la descrizione</p>



e la comprensione del/i modello/i e del comportamento della struttura.

La presente relazione, oltre ad illustrare in modo esaustivo i dati in ingresso ed i risultati delle analisi in forma tabellare, riporta una serie di immagini:

per i dati in ingresso:

- modello solido della struttura
- numerazione di nodi e ed elementi
- configurazioni di carico statiche
- configurazioni di carico sismiche con baricentri delle masse e eccentricità

per le combinazioni più significative (statisticamente più gravose per la struttura):

- configurazioni deformate
- diagrammi e involucri delle azioni interne
- mappe delle tensioni
- reazioni vincolari
- mappe delle pressioni sul terreno

per il progetto-verifica degli elementi:

- diagrammi di armatura
- percentuali di sfruttamento
- mappe delle verifiche più significative per i vari stati limite

#### **Informazioni generali sull'elaborazione e giudizio motivato di accettabilità dei risultati.**

Il programma prevede una serie di controlli automatici (check) che consentono l'individuazione di errori di modellazione. Al termine dell'analisi un controllo automatico identifica la presenza di spostamenti o rotazioni abnormi. Si può pertanto asserire che l'elaborazione sia corretta e completa. I risultati delle elaborazioni sono stati sottoposti a controlli che ne comprovano l'attendibilità. Tale valutazione ha compreso il confronto con i risultati di semplici calcoli, eseguiti con metodi tradizionali e adottati, anche in fase di primo proporzionamento della struttura. Inoltre, sulla base di considerazioni riguardanti gli stati tensionali e deformativi determinati, si è valutata la validità delle scelte operate in sede di schematizzazione e di modellazione della struttura e delle azioni. Si allega al termine della presente relazione elenco sintetico dei controlli svolti (verifiche di equilibrio tra reazioni vincolari e carichi applicati, comparazioni tra i risultati delle analisi e quelli di valutazioni semplificate, etc.) .

#### **Verifiche agli stati limite ultimi**

Nel capitolo relativo alla progettazione degli elementi strutturali agli SLU vengono indicate, con riferimento alla normativa adottata, le modalità ed i criteri seguiti per valutare la sicurezza della struttura nei confronti delle possibili situazioni di crisi ed i risultati delle valutazioni svolte. In via generale, oltre alle verifiche di resistenza e di spostamento, devono essere prese in considerazione verifiche nei confronti dei fenomeni di instabilità, locale e globale, di duttilità, di degrado.

#### **Verifiche agli stati limite di esercizio**

Nel capitolo relativo alla progettazione degli elementi strutturali agli SLE vengono indicate, con riferimento alla normativa adottata, le modalità seguite per valutare l'affidabilità della struttura nei confronti delle possibili situazioni di perdita di funzionalità (per eccessive deformazioni, fessurazioni, vibrazioni, etc.) ed i risultati delle valutazioni svolte.

#### **RELAZIONE SUI MATERIALI**

Il capitolo Materiali riporta informazioni esaustive relative all'elenco dei materiali impiegati e loro modalità di posa in opera e ai valori di calcolo.







## NORMATIVA DI RIFERIMENTO

1. D.Min. Infrastrutture Min. Interni e Prot. Civile 17 Gennaio 2018 e allegate "Norme tecniche per le costruzioni".
2. Circolare 21/01/19, n. 7 C.S.LL.PP. "Istruzioni per l'applicazione dell'aggiornamento delle Norme Tecniche delle Costruzioni di cui al decreto ministeriale 17 gennaio 2018"
3. D.Min. Infrastrutture e trasporti 14 Settembre 2005 e allegate "Norme tecniche per le costruzioni".
4. D.M. LL.PP. 9 Gennaio 1996 "Norme tecniche per il calcolo, l'esecuzione ed il collaudo delle strutture in cemento armato, normale e precompresso e per le strutture metalliche".
5. D.M. LL.PP. 16 Gennaio 1996 "Norme tecniche relative ai <<Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi>>".
6. D.M. LL.PP. 16 Gennaio 1996 "Norme tecniche per le costruzioni in zone sismiche".
7. Circolare 4/07/96, n.156AA.GG./STC. istruzioni per l'applicazione delle "Norme tecniche relative ai <<Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi>>" di cui al D.M. 16/01/96.
8. Circolare 10/04/97, n.65AA.GG. istruzioni per l'applicazione delle "Norme tecniche per le costruzioni in zone sismiche" di cui al D.M. 16/01/96.
9. D.M. LL.PP. 20 Novembre 1987 "Norme tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento".
10. Circolare 4 Gennaio 1989 n. 30787 "Istruzioni in merito alle norme tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento".
11. D.M. LL.PP. 11 Marzo 1988 "Norme tecniche riguardanti le indagini sui terreni e sulle rocce, la stabilità dei pendii naturali e delle scarpate, i criteri generali e le prescrizioni per la progettazione, l'esecuzione e il collaudo delle opere di sostegno delle terre e delle opere di fondazione".
12. D.M. LL.PP. 3 Dicembre 1987 "Norme tecniche per la progettazione, esecuzione e collaudo delle costruzioni prefabbricate".
13. UNI 9502 - Procedimento analitico per valutare la resistenza al fuoco degli elementi costruttivi di conglomerato cementizio armato, normale e precompresso - edizione maggio 2001
14. Ordinanza del Presidente del Consiglio dei Ministri n. 3274 del 20 marzo 2003 "Primi elementi in materia di criteri generali per la classificazione sismica del territorio nazionale e di normative tecniche per le costruzioni in zona sismica" e successive modificazioni e integrazioni.
15. UNI EN 1990:2006 13/04/2006 Eurocodice 0 - Criteri generali di progettazione strutturale.
16. UNI EN 1991-1-1:2004 01/08/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-1: Azioni in generale - Pesì per unità di volume, pesì propri e sovraccarichi per gli edifici.
17. UNI EN 1991-2:2005 01/03/2005 Eurocodice 1 - Azioni sulle strutture - Parte 2: Carichi da traffico sui ponti.
18. UNI EN 1991-1-3:2004 01/10/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-3: Azioni in generale - Carichi da neve.
19. UNI EN 1991-1-4:2005 01/07/2005 Eurocodice 1 - Azioni sulle strutture - Parte 1-4: Azioni in generale - Azioni del vento.
20. UNI EN 1991-1-5:2004 01/10/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-5: Azioni in generale - Azioni termiche.
21. UNI EN 1992-1-1:2005 24/11/2005 Eurocodice 2 - Progettazione delle strutture di calcestruzzo - Parte 1-1: Regole generali e regole per gli edifici.
22. UNI EN 1992-1-2:2005 01/04/2005 Eurocodice 2 - Progettazione delle strutture di calcestruzzo - Parte 1-2: Regole generali - Progettazione strutturale contro l'incendio.
23. UNI EN 1993-1-1:2005 01/08/2005 Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-1: Regole generali e regole per gli edifici.
24. UNI EN 1993-1-8:2005 01/08/2005 Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-8: Progettazione dei collegamenti.
25. UNI EN 1994-1-1:2005 01/03/2005 Eurocodice 4 - Progettazione delle strutture composte acciaio-calcestruzzo - Parte 1-1: Regole generali e regole per gli edifici.
26. UNI EN 1994-2:2006 12/01/2006 Eurocodice 4 - Progettazione delle strutture composte acciaio-calcestruzzo - Parte 2: Regole generali e regole per i ponti.
27. UNI EN 1995-1-1:2005 01/02/2005 Eurocodice 5 - Progettazione delle strutture di legno - Parte 1-1: Regole generali - Regole comuni e regole per gli edifici.
28. UNI EN 1995-2:2005 01/01/2005 Eurocodice 5 - Progettazione delle strutture di legno - Parte 2: Ponti.
29. UNI EN 1996-1-1:2006 26/01/2006 Eurocodice 6 - Progettazione delle strutture di muratura - Parte 1-1: Regole generali per strutture di muratura armata e non armata.
30. UNI EN 1996-3:2006 09/03/2006 Eurocodice 6 - Progettazione delle strutture di muratura - Parte 3: Metodi di calcolo semplificato per strutture di muratura non armata.
31. UNI EN 1997-1:2005 01/02/2005 Eurocodice 7 - Progettazione geotecnica - Parte 1: Regole generali.



32. UNI EN 1998-1:2005 01/03/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica  
- Parte 1: Regole generali, azioni sismiche e regole per gli edifici.
33. UNI EN 1998-3:2005 01/08/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica  
- Parte 3: Valutazione e adeguamento degli edifici.
34. UNI EN 1998-5:2005 01/01/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica  
- Parte 5: Fondazioni, strutture di contenimento ed aspetti geotecnici.

**NOTA il capitolo "normativa di riferimento": riporta l'elenco delle normative implementate nel software. Le norme utilizzate per la struttura oggetto della presente relazione sono indicate nel precedente capitolo "RELAZIONE DI CALCOLO STRUTTURALE" "ANALISI E VERIFICHE SVOLTE CON L'AUSILIO DI CODICI DI CALCOLO".** Laddove nei capitoli successivi vengano richiamate norme antecedenti al DM 17.01.18 è dovuto o a progettazione simulata di edificio esistente.



# CARATTERISTICHE MATERIALI UTILIZZATI

## LEGENDA TABELLA DATI MATERIALI

Il programma consente l'uso di materiali diversi. Sono previsti i seguenti tipi di materiale:

1	materiale tipo cemento armato
2	materiale tipo acciaio
3	materiale tipo muratura
4	materiale tipo legno
5	materiale tipo generico

I materiali utilizzati nella modellazione sono individuati da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni materiale vengono riportati in tabella i seguenti dati:

Young	modulo di elasticità normale E
Poisson	coefficiente di contrazione trasversale $\nu$
G	modulo di elasticità tangenziale
Gamma	peso specifico
Alfa	coefficiente di dilatazione termica
Fattore di confidenza FC m	Fattore di confidenza specifico per materiale; (è riportato solo se diverso da quello globale della struttura)
Fattore di confidenza FC a	Fattore di confidenza specifico per l'armatura (è riportato solo se diverso da quello globale della struttura)
Elasto-plastico	Materiale elastico perfettamente plastico per aste non lineari
Massima compressione	Massima tensione di compressione per aste non lineari
Massima trazione	Massima tensione di trazione per aste non lineari
Fattore attrito	Coefficiente di attrito per aste non lineari
Rapporto HRDb	Rapporto di hardening a flessione
Rapporto HRDv	Rapporto di hardening a taglio

I dati soprariportati vengono utilizzati per la modellazione dello schema statico e per la determinazione dei carichi inerziali e termici. In relazione al tipo di materiale vengono riportati inoltre:

1	c.a.	Resistenza Rc	resistenza a compressione cubica
		Resistenza fctm	resistenza media a trazione semplice
		Coefficiente ksb	Coefficiente di riduzione della resistenza a compressione da utilizzare nello stress block
2	acciaio	Tensione ft	Valore della tensione di rottura
		Tensione fy	Valore della tensione di snervamento
		Resistenza fd	Resistenza di calcolo per SL CNR-UNI 10011
		Resistenza fd (>40)	Resistenza di calcolo per SL CNR-UNI 10011 per spessori > 40mm
		Tensione ammissibile	Tensione ammissibile CNR-UNI 10011
		Tensione ammissibile(>40)	Tensione ammissibile CNR-UNI 10011 per spessori > 40mm
3	muratura		
	a	Muratura consolidata	Muratura per la quale si prevedono interventi di rinforzo"
		Incremento	Incremento conseguito in termini di resistenza



	resistenza	
	Incremento rigidezza	Incremento conseguito in termini di rigidezza
	Resistenza f	Valore della resistenza a compressione
	Resistenza fv0	Valore della resistenza a taglio in assenza di tensioni normali
	Resistenza fh	Valore della resistenza a compressione orizzontale
	Resistenza fb	Valore della resistenza a compressione dei blocchi
	Resistenza fbh	Valore della resistenza a compressione dei blocchi in direzione orizzontale
	Resistenza fv0h	Valore della resistenza a taglio in assenza di tensioni normali per le travi
	Resistenza ft	Valore della resistenza a trazione per fessurazione diagonale
	Resistenza flim	Valore della massima resistenza a taglio
	Resistenza fbt	Valore della resistenza a trazione dei blocchi
	Coefficiente mu	Coefficiente d'attrito utilizzato per la resistenza a taglio (tipicamente 0.4)
	Coefficiente fi	Coefficiente d'ingranamento utilizzato per la resistenza a taglio
	Coefficiente ksb	Coefficiente di riduzione della resistenza a compressione da utilizzare nello stress block
4	legno	
	E0,05	Modulo di elasticità corrispondente ad un frattile del 5%
	Resistenza fc0	Valore della resistenza a compressione parallela
	Resistenza ft0	Valore della resistenza a trazione parallela
	Resistenza fm	Valore della resistenza a flessione
	Resistenza fv	Valore della resistenza a taglio
	Resist. ft0k	Resistenza caratteristica (tensione amm. per REGLES) per trazione
	Resist. fmk	Resistenza caratteristica (tensione amm. per REGLES) per flessione
	Resist. fvk	Resistenza caratteristica (tensione amm. per REGLES) per taglio
	Modulo E0,05	Modulo elastico parallelo caratteristico
	Lamellare	lamellare o massiccio

Nel tabulato si riportano sia i valori caratteristici che medi utilizzando gli uni e/o gli altri in relazione alle richieste di normativa ed alla tipologia di verifica. (Cap.7 NTC18 per materiali nuovi, Cap.8 NTC18 e relativa circolare 21/01/2019 per materiali esistenti, Linee Guida Reluis per incamiciatura CAM, CNR-DT 200 per interventi con FRP)

Vengono inoltre riportate le tabelle contenenti il riassunto delle informazioni assegnate nei criteri di progetto in uso.

Id	Tipo / Note	V. caratt.	V. medio	Young	Poisson	G	Gamma	Alfa	Altri
		daN/ m2	daN/ m2	daN/ m2		daN/ m2	daN/ m3		
8	Calcestruzzo Classe C45/55			3.642e+09	0.20	1.517e+09	2500.0	1.00e-05	
	Fattore di confidenza FC m								1.20
	Fattore di confidenza FC a								1.20
	Resistenza Rc	4.536e+06	5.500e+06						
	Resistenza fctm		3.832e+05						
	Rapporto Rfessurata (assiale)								1.00
	Rapporto Rfessurata (flessione)								1.00
	Rapporto Rfessurata (taglio)								1.00
	Coefficiente ksb								0.85
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05

Travi c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Progetta a filo	NO	NO	NO	NO		
Af inf: da q*L*L /	0.0	0.0	0.0	0.0		



Travi c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
<b>Armatura</b>						
Minima tesa	0.31	0.20	0.13	2.000e-02		
Minima compressa	0.31	0.20	0.13	2.000e-02		
Massima tesa	0.78	4.00	4.00	4.00		
Da sezione	SI	SI	SI	SI		
Usa armatura teorica	NO	NO	NO	NO		
<b>Stati limite ultimi</b>						
Tensione fy [daN/ m2 ]	4.500e+07	4.500e+07	4.500e+07	4.500e+07		
Tensione fy staffe [daN/ m2 ]	4.500e+07	4.500e+07	4.500e+07	4.500e+07		
Tipo acciaio	tipo C	tipo C	tipo C	tipo C		
Coefficiente gamma s	1.15	1.15	1.15	1.15		
Coefficiente gamma c	1.50	1.50	1.50	1.50		
Verifiche con N costante	SI	SI	SI	SI		
Fattore di ridistribuzione	0.0	0.0	0.0	0.0		
<b>Modello per il confinamento</b>						
Relazione tensio-deformativa	Mander	Mander	Mander	Mander		
Incrudimento acciaio	5.000e-03	5.000e-03	5.000e-03	5.000e-03		
Fattore lambda	1.00	1.00	1.00	1.00		
epsilon max,s	4.000e-02	4.000e-02	4.000e-02	4.000e-02		
epsilon cu2	4.500e-03	4.500e-03	4.500e-03	4.500e-03		
epsilon c2	0.0	0.0	0.0	0.0		
epsilon cy	0.0	0.0	0.0	0.0		
<b>Tensioni ammissibili</b>						
Tensione amm. cls [daN/ m2 ]	975000.00	975000.00	975000.00	975000.00		
Tensione amm. acciaio [daN/ m2 ]	2.600e+07	2.600e+07	2.600e+07	2.600e+07		
Rapporto omogeneizzazione N	15.00	15.00	15.00	15.00		
Massimo rapporto area compressa/tesa	1.00	1.00	1.00	1.00		
<b>Staffe</b>						
Diametro staffe	0.0	0.0	0.0	0.0		
Passo minimo [ cm ]	4.00	4.00	4.00	4.00		
Passo massimo [ cm ]	30.00	30.00	30.00	30.00		
Passo raffittito [ cm ]	15.00	15.00	15.00	15.00		
Lunghezza zona raffittita [ cm ]	50.00	50.00	50.00	50.00		
Ctg(Teta) Max	2.50	2.50	2.50	2.50		
Percentuale sagomati	0.0	0.0	0.0	0.0		
Luce di taglio per GR [ cm ]	1.00	1.00	1.00	1.00		
Adotta scorrimento medio	NO	NO	NO	NO		
Torsione non essenziale inclusa	SI	SI	SI	SI		

Pilastrì c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
<b>Generalità</b>						
Progetto armatura	Privilegia lati	Privilegia lati	Privilegia lati	Privilegia lati		
Progetta a filo	NO	NO	NO	SI		
Effetti del 2 ordine	SI	SI	SI	SI		
Beta per 2-2	1.00	1.00	1.00	1.00		
Beta per 3-3	1.00	1.00	1.00	1.00		
<b>Armatura</b>						
Massima tesa	4.00	4.00	4.00	4.00		
Minima tesa	1.00	1.00	0.30	2.000e-02		
<b>Stati limite ultimi</b>						
Tensione fy [daN/ m2 ]	4.500e+07	4.500e+07	4.500e+07	4.500e+07		
Tensione fy staffe [daN/ m2 ]	4.500e+07	4.500e+07	4.500e+07	4.500e+07		
Tipo acciaio	tipo C	tipo C	tipo C	tipo C		
Coefficiente gamma s	1.15	1.15	1.15	1.15		
Coefficiente gamma c	1.50	1.50	1.50	1.50		
Verifiche con N costante	SI	SI	SI	SI		
<b>Modello per il confinamento</b>						
Relazione tensio-deformativa	Mander	Mander	Mander	Mander		
Incrudimento acciaio	5.000e-03	5.000e-03	5.000e-03	5.000e-03		
Fattore lambda	1.00	1.00	1.00	1.00		
epsilon max,s	4.000e-02	4.000e-02	4.000e-02	4.000e-02		
epsilon cu2	4.500e-03	4.500e-03	4.500e-03	4.500e-03		
epsilon c2	0.0	0.0	0.0	0.0		
epsilon cy	0.0	0.0	0.0	0.0		
<b>Tensioni ammissibili</b>						
Tensione amm. cls [daN/ m2 ]	975000.00	975000.00	975000.00	975000.00		
Tensione amm. acciaio [daN/ m2 ]	2.600e+07	2.600e+07	2.600e+07	2.600e+07		
Rapporto omogeneizzazione N	15.00	15.00	15.00	15.00		
<b>Staffe</b>						
Diametro staffe	0.0	0.0	0.0	0.0		
Passo minimo [ cm ]	5.00	5.00	5.00	5.00		
Passo massimo [ cm ]	25.00	25.00	25.00	25.00		
Passo raffittito [ cm ]	15.00	15.00	15.00	15.00		



Pilastri c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Lunghezza zona raffittita [ cm ]	45.00	45.00	45.00	45.00		
Ctg(Teta) Max	2.50	2.50	2.50	2.50		
Luce di taglio per GR [ cm ]	1.00	1.00	1.00	1.00		
Massimizza gerarchia	SI	SI	SI	SI		

Solai e pannelli	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
<b>Generalità</b>						
Usa tensioni ammissibili	NO	NO	NO	NO		
Af inf: da traliccio	SI	SI	SI	SI		
Consenti armatura a taglio	NO	NO	NO	NO		
Incrementa armatura longitudinale per taglio	SI	SI	SI	SI		
Af inf: da q*L*L /	20.00	20.00	20.00	20.00		
Incremento fascia piena [ cm ]	5.00	5.00	5.00	5.00		
<b>Armatura</b>						
Minima tesa	0.15	0.15	0.15	0.15		
Massima tesa	3.00	3.00	3.00	3.00		
Minima compressa	0.0	0.0	0.0	0.0		
Af/h [ cm ]	7.000e-02	7.000e-02	7.000e-02	7.000e-02		
<b>Stati limite ultimi</b>						
Tensione fy [daN/ m2 ]	4.500e+07	4.500e+07	4.500e+07	4.500e+07		
Tipo acciaio	tipo C	tipo C	tipo C	tipo C		
Coefficiente gamma s	1.15	1.15	1.15	1.15		
Coefficiente gamma c	1.50	1.50	1.50	1.50		
Fattore di ridistribuzione	0.0	0.0	0.0	0.0		
<b>Tensioni ammissibili</b>						
Tensione amm. cls [daN/ m2 ]	850000.00	850000.00	850000.00	850000.00		
Tensione amm. acciaio [daN/ m2 ]	2.600e+07	2.600e+07	2.600e+07	2.600e+07		
Rapporto omogeneizzazione N	15.00	15.00	15.00	15.00		
Massimo rapporto area compressa/tesa	1.00	1.00	1.00	1.00		
<b>Verifica freccia</b>						
Infinita	250.00	250.00	250.00	250.00		
Istantanea	500.00	500.00	500.00	500.00		
Fattore viscosità	3.00	3.00	3.00	3.00		
Usa J non fessurato	NO	NO	NO	NO		
<b>Elementi non strutturali</b>						
Tamponatura antiespulsione	NO	NO	NO	NO		
Tamponatura con armatura	NO	NO	NO	NO		
Fattore di struttura/comportamento	2.00	2.00	2.00	2.00		
Coefficiente gamma m	0.0	0.0	0.0	0.0		
Periodo Ta	0.0	0.0	0.0	0.0		
Altezza pannello	0.0	0.0	0.0	0.0		



# EDIFICI ESISTENTI: INTERVENTI DI RINFORZO

## LEGENDA TABELLE INTERVENTI DI RINFORZO

Per le verifiche da condurre sugli elementi rinforzati il programma attinge le informazioni da archivi di rinforzi. Gli archivi utilizzati e la modalità di applicazione della specifica tecnica dipendono ovviamente dal tipo e materiale dell'elemento strutturale. In particolare nelle tabelle successive vengono dettagliati:

- I rinforzi FRP per c.a. (implementati secondo il punto “C8.7.4.2.3 PLACCATURA E FASCIATURA IN MATERIALI COMPOSITI” e “Linee guida per la Progettazione, l'Esecuzione ed il Collaudo di Interventi di Rinforzo di strutture di c.a., c.a.p. e murarie mediante FRP”)
- I rinforzi tipo CAM o angolari con calastrelli (implementati secondo il punto C8.7.2.2 INCAMICIATURA IN ACCIAIO)
- I rinforzi FRP per murature (implementati come da “Linee guida per la Progettazione, l'Esecuzione ed il Collaudo di Interventi di Rinforzo di strutture di c.a., c.a.p. e murarie mediante FRP”)

Titolo colonna	Descrizione	Nota
Id	Indice nell'archivio	
Sigla FRP per c.a.	Nome nell'archivio o riferimento al prodotto commerciale	
Spess.	Spessore del fibrorinforzo	Strati sovrapposti si modellano assegnando lo spessore totale
Mod. E	Modulo elastico del fibrorinforzo	Elastico lineare fino a rottura
eps r	Tensione caratteristica di rottura	
Direz.	Schema di disposizione delle fibre	Da uniassiale a quadriassiale
Applicaz.	Applicazione tipo A o B	Utilizzato in Tabella 2-1
Espos.	Interna, esterna, ambiente aggressivo	Utilizzato in Tabella 2-3
Fibra	Arammidica, vetro, carbonio, altro	Utilizzato in Tabella 2-3
L fasc.	Larghezza delle fasce	Definizione geometrica della fasciatura, se L.fasc=P fasc. o uno dei 2 è nullo, si ritiene applicata un ricoprimento completo
P fasc.	Passo delle fasce	Definizione geometrica della fasciatura, se L.fasc=P fasc. o uno dei 2 è nullo, si ritiene applicata un ricoprimento completo
R curv.	Raggio di curvatura utilizzato nell'arrotondamento degli spigoli	

Titolo colonna	Descrizione	Nota
Id	Indice nell'archivio	
Sigla CAM	Nome nell'archivio o riferimento al prodotto commerciale	Utilizzato anche per incamiciatura in acciaio con profili generici.
Sez.	Angolare utilizzato	Nel caso il profilo non sia presente nell'archivio delle sezioni si riporta “altro”
A	Area dell'angolare	
L	Lato dell'angolare	
s L	Spessore dell'angolare	
fyk	Tensione caratteristica di snervamento angolare	
s cal.	Spessore dei nastri o calastrelli	
L cal.	Altezza dei nastri o calastrelli	
P cal.	Passo dei nastri o calastrelli	
M nas.	Numero dei nastri	Utilizzato nel caso in cui si utilizzino più



		nastri sovrapposti
fyk c	Tensione caratteristica di snervamento dei nastri o calastrelli	
ftk c	Tensione caratteristica di rottura dei nastri o calastrelli	
R curv.	Raggio di curvatura utilizzato nell'arrotondamento degli spigoli	

Titolo colonna	Descrizione	Nota
Id	Indice nell'archivio	
Sigla FRP per mur.	Nome nell'archivio o riferimento al prodotto commerciale	
Spess.	Spessore del fibrorinforzo	Strati sovrapposti si modellano sommando gli spessori
Mod. E	Modulo elastico del fibrorinforzo	Elastico lineare fino a rottura
eps r	Tensione caratteristica di rottura	
eps d	Tensione di progetto assegnata	Valore della tensione massima nel fibrorinforzo, nel caso si adottino dispositivi di ancoraggio. Se pari a 0 viene calcolata dal programma automaticamente
Applicaz.	Applicazione tipo A o B	Utilizzato in Tabella 2-1
Espos.	Interna, esterna, ambiente aggressivo	Utilizzato in Tabella 2-3
Fibra	Arammidica, vetro, carbonio, altro	Utilizzato in Tabella 2-3
L fasc. O	Larghezza delle fasce orizzontali	
P fasc. O	Passo delle fasce orizzontali	
L fasc. V	Larghezza delle fasce verticali	
P fasc. V	Passo delle fasce verticali	
A conc.	Area di rinforzo concentrato alle estremità del maschio murario	
Conf.	Fibrorinforzo adottato per conseguire un effetto di confinamento sulla muratura	Utilizzato per elementi Pilastro in muratura
R curv.	Raggio di curvatura utilizzato nell'arrotondamento degli spigoli	

Per i materiali degli elementi in muratura consolidata, in relazione alla Tabella C8.5. Il "Coefficienti correttivi massimi dei parametri meccanici (indicati in Tabella C85.1) da applicarsi in presenza di: malta di caratteristiche buone o ottime; giunti sottili; ricorsi o listature; sistematiche connessioni trasversali; iniezione di miscele leganti; intonaco armato; ristillatura armata con connessione dei paramenti. Si riportano le informazioni atte a definire la tecnica di rinforzo adottata e gli eventuali incrementi in termini di rigidità e resistenza conseguiti.

A seguire vengono dettagliati gli interventi per le strutture in c.a. con la seguente suddivisione tabellare :

- Nodi: con gli interventi applicati in ottemperanza ai punti C8.7.4.2.1 INCAMICIATURA IN C.A. ; C8.7.4.2.2 INCAMICIATURA IN ACCIAIO ; C8.7.4.2.3 PLACCATURA E FASCIATURA IN MATERIALI COMPOSITI
- Pilastri: con gli interventi applicati in ottemperanza ai punti C8.7.4.2.1 INCAMICIATURA IN C.A. ; C8.7.4.2.2 INCAMICIATURA IN ACCIAIO ; C8.7.4.2.3 PLACCATURA E FASCIATURA IN MATERIALI COMPOSITI
- Travi: con gli interventi applicati in ottemperanza ai punti C8.7.4.2.1 INCAMICIATURA IN C.A. ; C8.7.4.2.2 INCAMICIATURA IN ACCIAIO ; C8.7.4.2.3 PLACCATURA E FASCIATURA IN MATERIALI COMPOSITI ; interventi applicati secondo la tecnica del beton plaque

Titolo colonna	Descrizione	Nota
Pilas. I	Pilastro sottostante il nodo rinforzato	



Nodo	Numero del nodo rinforzato	
sez a-o	Sezione del pilastro sottostante ante-operam	
sez p-o	Sezione del pilastro sottostante post-operam	Il nodo viene verificato con la sezione del pilastro post-operam se il pilastro ha camicia con continuità flessionale. L'incremento di capacità si cumula a quello di eventuali altri rinforzi, ma per la verifica si considera il coeff. riduttivo 0.9
Diam.	Diametro della armatura orizzontale aggiuntiva nel nodo	L'armatura è riferita a una sola faccia
Passo	Passo dell'armatura orizzontale aggiuntiva nel nodo	
f <sub>yk</sub> arm.	Tensione caratteristica di snervamento dell'armatura orizzontale aggiuntiva nel nodo	
Spess.	Spessore della piastra di rinforzo applicata nel nodo	La piastra è applicata a una sola faccia
f <sub>yk</sub> plt.	Tensione caratteristica di snervamento per la piastra di rinforzo applicata nel nodo	
rinforzo frp	Nome nell'archivio o riferimento al prodotto commerciale	Il rinforzo è applicato a una sola faccia

Titolo colonna	Descrizione	Nota
Pilas.	Pilastro di interesse	Gli interventi con tecnologie diverse sono esclusivi, per l'intervento con FRP è prevista la possibilità di attivare separatamente il rinforzo FRP V per taglio e duttilità (*) e quello FRP F per capacità flessionale (**). (*) incremento di duttilità considerato solo nelle verifiche con $q=1$ . (**) incremento di capacità considerato solo nelle verifiche con $q>1$
sez a-o	Sezione del pilastro ante-operam	
sez p-o	Sezione del pilastro post-operam	Differente se l'intervento consiste in C8.7.4.2.1 INCAMICIATURA IN C.A
Cont. fless.	Armature longitudinali o angolari opportunamente ancorati alla base e in sommità	Per la camicia in c.a. e acciaio è possibile considerare la continuità del rinforzo interpiano e in questo caso l'incremento di capacità flessionale
rinf. CAM	Nome nell'archivio o riferimento al prodotto commerciale	In applicazione del C8.7.4.2.2 INCAMICIATURA IN ACCIAIO
rinf. FRP V	Nome nell'archivio o riferimento al prodotto commerciale	In applicazione del C8.7.4.2.3 PLACCATURA E FASCIATURA IN MATERIALI COMPOSITI
rinf. FRP F	Nome nell'archivio o riferimento al prodotto commerciale	In applicazione del C8.7.4.2.3 PLACCATURA E FASCIATURA IN MATERIALI COMPOSITI
li V, lc V, lf V	Suddivisione in tre tratti per l'applicazione dei rinforzi CAM o FRP V (per taglio)	Assegnato uno o più tratti i restanti vengono definiti per differenza. Se tutti i valori sono nulli (non riportati) si intende applicato per l'intera lunghezza
li F, lc F, lf F	Suddivisione in tre tratti per l'applicazione dei rinforzi FRP F (per flessione)	Come sopra



Titolo colonna	Descrizione	Nota
Trave	Trave di interesse	
sez a-o	Sezione della trave ante-operam	
sez p-o	Sezione della trave post-operam	Differente se l'intervento consiste in C8A.7.1 INCAMICIATURA IN C.A
Cont. fless.	Armature longitudinali o angolari opportunamente ancorati alle estremità	Per la camicia in c.a. e acciaio è possibile considerare la continuità del rinforzo e in questo caso l'incremento di capacità flessionale
rinf. CAM	Nome nell'archivio o riferimento al prodotto commerciale	In applicazione del C8.7.4.2.2 INCAMICIATURA IN ACCIAIO
li V, lc V, lf V	Suddivisione in tre tratti per l'applicazione dei rinforzi CAM	Assegnato uno o più tratti i restanti vengono definiti per differenza. Se tutti i valori sono nulli (non riportati) si intende applicato per l'intera lunghezza

Titolo colonna	Descrizione	Nota
Trave	Trave di interesse	Per l'intervento con FRP è prevista la possibilità di attivare separatamente il rinforzo FRP V per taglio e duttilità (*) e quello FRP F per capacità flessionale (**). (*) incremento di duttilità considerato solo nelle verifiche con $q=1$ . (**) incremento di capacità considerato solo nelle verifiche con $q>1$
rinf. FRP V	Nome nell'archivio o riferimento al prodotto commerciale	In applicazione del C8.7.4.2.3 PLACCATURA E FASCIATURA IN MATERIALI COMPOSITI
rinf. FRP F	Nome nell'archivio o riferimento al prodotto commerciale	In applicazione del C8.7.4.2.3 PLACCATURA E FASCIATURA IN MATERIALI COMPOSITI
li V, lc V, lf V	Suddivisione in tre tratti per l'applicazione del rinforzo FRP V	Assegnato uno o più tratti i restanti vengono definiti per differenza. Se tutti i valori sono nulli (non riportati) si intende applicato per l'intera lunghezza
B sup	Larghezza di applicazione del rinforzo FRP F superiore	
li F, lc F, lf F	Suddivisione in tre tratti per l'applicazione dei rinforzi FRP F superiore	Assegnato uno o più tratti i restanti vengono definiti per differenza. Se tutti i valori sono nulli (non riportati) si intende applicato per l'intera lunghezza
B inf	Larghezza di applicazione del rinforzo FRP F inferiore	
li F, lc F, lf F	Suddivisione in tre tratti per l'applicazione dei rinforzi FRP F inferiore	Assegnato uno o più tratti i restanti vengono definiti per differenza. Se tutti i valori sono nulli (non riportati) si intende applicato per l'intera lunghezza

Titolo colonna	Descrizione	Nota
Trave	Trave di interesse	Per l'intervento con BETON PLAQUE è prevista la possibilità di attivare separatamente il rinforzo per taglio da quello per flessione(*). (*)incremento di capacità considerato solo nelle verifiche con $q\#1$
f <sub>yk</sub> plt	Tensione caratteristica di snervamento per le piastre di rinforzo	
Spess.	Spessore del rinforzo applicato per il taglio	Il rinforzo si considera adeguatamente ancorato sui due lati dell'anima della trave
li V, lc V, lf V	Suddivisione in tre tratti per	Assegnato uno o più tratti i restanti vengono definiti per



	l'applicazione del rinforzo a taglio	differenza. Se tutti i valori sono nulli (non riportati) si intende applicato per l'intera lunghezza
A sup	Area complessiva della piastra applicata all'estradosso	
li F, lc F, lf F	Suddivisione in tre tratti per l'applicazione del rinforzo superiore	Assegnato uno o più tratti i restanti vengono definiti per differenza. Se tutti i valori sono nulli (non riportati) si intende applicato per l'intera lunghezza
A inf	Area complessiva della piastra applicata all'intradosso	
li F, lc F, lf F	Suddivisione in tre tratti per l'applicazione dei rinforzi FRP F inferiore	Assegnato uno o più tratti i restanti vengono definiti per differenza. Se tutti i valori sono nulli (non riportati) si intende applicato per l'intera lunghezza

Id	Sigla FRP per c.a.	Spess.	Mod. E	eps r	Direz.	Applic.	Espos.	Fibra	L fasc.	P fasc.	R curv.
3	GeoSteel G2000	mm	N/mm2	%					mm	mm	mm
		0.25	2.100e+05	1.9	uniassiale	tipo A	interna	altro	200.0	400.0	20.0

C8A (APPENDICE AL CAPITOLO C8) - MATERIALI DI RINFORZO UTILIZZATI

NODI: C8A.7.1 INCAMICIATURA IN C.A. - C8A.7.2 INCAMICIATURA IN ACCIAIO - C8A.7.3 PLACCATURA E FASCIATURA IN MATERIALI COMPOSITI

Pilas.I	Nodo	sez a-o	sez p-o	Diam.	Passo	fyk arm.	Spess.	fyk plt.	rinforzo frp
				mm	mm	N/mm2	mm	N/mm2	
4	9	2	2						GeoSteel G2000
6	15	2	2						GeoSteel G2000
7	17	2	2						GeoSteel G2000
12	31	2	2						GeoSteel G2000
14	5	2	2						GeoSteel G2000
15	21	2	2						GeoSteel G2000

PILASTRI: C8A.7.1 INCAMICIATURA IN C.A. - C8A.7.2 INCAMICIATURA IN ACCIAIO - C8A.7.3 PLACCATURA E FASCIATURA IN MATERIALI COMPOSITI

Pilas.	sez a-o	sez p-o	Cont. fless.	rinf. CAM	rinf. FRP V	rinf. FRP F	li V	lc V	lf V	li F	lc F	lf F
							cm	cm	cm	cm	cm	cm
4	2	2			GeoSteel G2000	GeoSteel G2000	50.00	0.0	0.0	50.00	0.0	0.0
6	2	2			GeoSteel G2000	GeoSteel G2000	50.00	0.0	0.0	50.00	0.0	0.0
7	2	2			GeoSteel G2000	GeoSteel G2000	50.00	0.0	0.0	50.00	0.0	0.0
12	2	2			GeoSteel G2000	GeoSteel G2000	50.00	0.0	0.0	50.00	0.0	0.0
14	2	2			GeoSteel G2000	GeoSteel G2000	50.00	0.0	0.0	50.00	0.0	0.0
15	2	2			GeoSteel G2000	GeoSteel G2000	50.00	0.0	0.0	50.00	0.0	0.0



# MODELLAZIONE DELLE SEZIONI

## LEGENDA TABELLA DATI SEZIONI

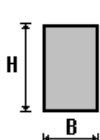
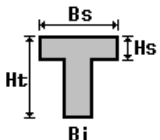
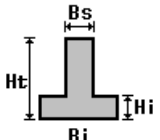
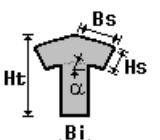
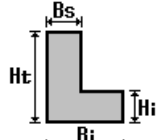
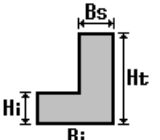
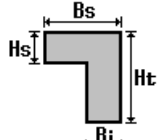
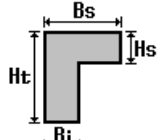
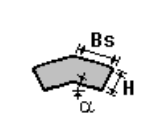
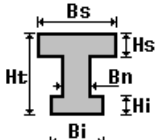
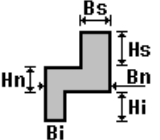
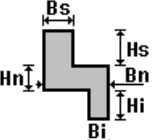
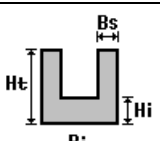
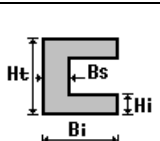
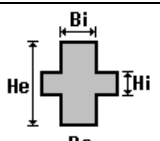
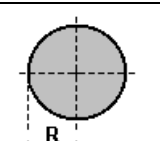
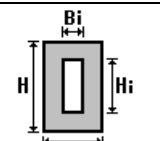
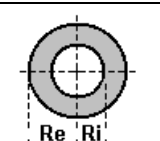
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

1. sezione di tipo generico
2. profilati semplici
3. profilati accoppiati e speciali

Le sezioni utilizzate nella modellazione sono individuate da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni sezione vengono riportati in tabella i seguenti dati:

<b>Area</b>	area della sezione
<b>A V2</b>	area della sezione/fattore di taglio (per il taglio in direzione 2)
<b>A V3</b>	area della sezione/fattore di taglio (per il taglio in direzione 3)
<b>Jt</b>	fattore torsionale di rigidità
<b>J2-2</b>	momento d'inerzia della sezione riferito all'asse 2
<b>J3-3</b>	momento d'inerzia della sezione riferito all'asse 3
<b>W2-2</b>	modulo di resistenza della sezione riferito all'asse 2
<b>W3-3</b>	modulo di resistenza della sezione riferito all'asse 3
<b>Wp2-2</b>	modulo di resistenza plastico della sezione riferito all'asse 2
<b>Wp3-3</b>	modulo di resistenza plastico della sezione riferito all'asse 3

I dati sopra riportati vengono utilizzati per la determinazione dei carichi inerziali e per la definizione delle rigidità degli elementi strutturali; qualora il valore di Area V2 (e/o Area V3) sia nullo la deformabilità per taglio V2 (e/o V3) è trascurata. La valutazione delle caratteristiche inerziali delle sezioni è condotta nel riferimento 2-3 dell'elemento.

 rettangolare	 a T	 a T rovescia	 a T di colmo	 a L	 a L specchiata
 a L specchiata rovescia	 a L rovescia	 a L di colmo	 a doppio T	 a quattro specchiata	 a quattro
 a U	 a C	 a croce	 circolare	 rettangolare cava	 circolare cava



Per quanto concerne i profilati semplici ed accoppiati l’asse 2 del riferimento coincide con l’asse x riportato nei più diffusi profilatari.

Per quanto concerne le sezioni di tipo generico (tipo 1.):  
i valori dimensionali con prefisso B sono riferiti all’asse 2  
i valori dimensionali con prefisso H sono riferiti all’asse 3

Id	Tipo	Area	A V2	A V3	Jt	J 2-2	J 3-3	W 2-2	W 3-3	Wp 2-2	Wp 3-3
		cm2	cm2	cm2	cm4	cm4	cm4	cm3	cm3	cm3	cm3
1	T ribassata: bi=30 ht=103 bs=60 hs=43	4380.00	0.0	0.0	1.646e+06	9.090e+05	3.750e+06	3.030e+04	6.215e+04	5.220e+04	1.069e+05
2	Rettangolare: b=60 h=100	6000.00	5000.00	5000.00	4.478e+06	1.800e+06	5.000e+06	6.000e+04	1.000e+05	9.000e+04	1.500e+05
4	Rettangolare: b=60 h=60	3600.00	3000.00	3000.00	1.822e+06	1.080e+06	1.080e+06	3.600e+04	3.600e+04	5.400e+04	5.400e+04
5	Rettangolare: b=25 h=103	2575.00	2145.83	2145.83	4.544e+05	1.341e+05	2.277e+06	1.073e+04	4.420e+04	1.609e+04	6.631e+04
6	Rettangolare: b=20 h=70	1400.00	1166.67	1166.67	1.531e+05	4.667e+04	5.717e+05	4666.67	1.633e+04	7000.00	2.450e+04
7	Rettangolare: b=50 h=10	500.00	416.67	416.67	1.457e+04	1.042e+05	4166.67	4166.67	833.33	6250.00	1250.00
8	Rettangolare: b=50 h=20	1000.00	833.33	833.33	9.973e+04	2.083e+05	3.333e+04	8333.33	3333.33	1.250e+04	5000.00



# MODELLAZIONE STRUTTURA: NODI

## LEGENDA TABELLA DATI NODI

Il programma utilizza per la modellazione nodi strutturali.  
Ogni nodo è individuato dalle coordinate cartesiane nel sistema di riferimento globale (X Y Z).  
Ad ogni nodo è eventualmente associato un codice di vincolamento rigido, un codice di fondazione speciale, ed un set di sei molle (tre per le traslazioni, tre per le rotazioni). Le tabelle sottoriportate riflettono le succitate possibilità. In particolare per ogni nodo viene indicato in tabella:

<b>Nodo</b>	numero del nodo.
<b>X</b>	valore della coordinata X
<b>Y</b>	valore della coordinata Y
<b>Z</b>	valore della coordinata Z

Per i nodi ai quali sia associato un codice di vincolamento rigido, un codice di fondazione speciale o un set di molle viene indicato in tabella:

<b>Nodo</b>	numero del nodo.
<b>X</b>	valore della coordinata X
<b>Y</b>	valore della coordinata Y
<b>Z</b>	valore della coordinata Z
<b>Note</b>	eventuale codice di vincolo (es. v=110010 sei valori relativi ai sei gradi di libertà previsti per il nodo TxTyTzRxRyRz, il valore 1 indica che lo spostamento o rotazione relativo è impedito, il valore 0 indica che lo spostamento o rotazione relativo è libero).
<b>Note</b>	(FS = 1, 2,...) eventuale codice del tipo di fondazione speciale (1, 2,... fanno riferimento alle tipologie: plinto, palo, plinto su pali,...) che è collegato al nodo. (ISO = "id SIGLA") indice e sigla identificativa dell' eventuale isolatore sismico assegnato al nodo
<b>Rig. TX</b>	valore della rigidezza dei vincoli elastici eventualmente applicati al nodo, nello specifico TX (idem per TY, TZ, RX, RY, RZ).

Per strutture sismicamente isolate viene inoltre inserita la tabella delle caratteristiche per gli isolatori utilizzati; le caratteristiche sono indicate in conformità al cap. 7.10 del D.M. 17/01/18

**TABELLA DATI NODI**

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
3	0.0	0.0	125.0	4	3000.0	0.0	125.0	5	1108.0	640.0	506.0
6	2648.6	640.0	0.0	7	2648.6	0.0	300.7	8	2648.6	0.0	0.0
9	2277.1	0.0	428.4	10	2277.1	0.0	0.0	11	1892.0	0.0	506.0
12	1892.0	0.0	0.0	13	1500.0	0.0	532.0	14	1500.0	0.0	0.0
15	1108.0	0.0	506.0	16	1108.0	0.0	0.0	17	722.9	0.0	428.0
18	722.9	0.0	0.0	19	351.4	0.0	300.7	20	351.4	0.0	0.0
21	722.9	640.0	428.4	22	2277.1	640.0	0.0	25	0.0	640.0	125.0
26	3000.0	640.0	125.0	27	351.4	640.0	300.7	28	1892.0	640.0	0.0
29	2648.6	640.0	300.7	30	1500.0	640.0	0.0	31	2277.1	640.0	428.0
32	1108.0	640.0	0.0	33	1892.0	640.0	506.0	34	722.9	640.0	0.0
35	1500.0	640.0	532.0	36	351.4	640.0	0.0	41	2648.6	128.0	0.0
42	2648.6	256.0	0.0	43	2648.6	384.0	0.0	44	2648.6	512.0	0.0
45	2277.1	128.0	0.0	46	2277.1	256.0	0.0	47	2277.1	384.0	0.0
48	2277.1	512.0	0.0	49	1892.0	128.0	0.0	50	1892.0	256.0	0.0
51	1892.0	384.0	0.0	52	1892.0	512.0	0.0	53	1500.0	128.0	0.0
54	1500.0	256.0	0.0	55	1500.0	384.0	0.0	56	1500.0	512.0	0.0



57	1108.0	128.0	0.0	58	1108.0	256.0	0.0	59	1108.0	384.0	0.0
60	1108.0	512.0	0.0	61	722.9	128.0	0.0	62	722.9	256.0	0.0
63	722.9	384.0	0.0	64	722.9	512.0	0.0	65	351.4	128.0	0.0
66	351.4	256.0	0.0	67	351.4	384.0	0.0	68	351.4	512.0	0.0
74	351.4	-100.0	0.0	75	722.9	-100.0	0.0	76	1108.0	-100.0	0.0
77	1500.0	-100.0	0.0	78	1892.0	-100.0	0.0	79	2277.1	-100.0	0.0
80	2648.6	-100.0	0.0	83	351.4	740.0	0.0	84	722.9	740.0	0.0
85	1108.0	740.0	0.0	86	1500.0	740.0	0.0	87	1892.0	740.0	0.0
88	2277.1	740.0	0.0	89	2648.6	740.0	0.0	91	2462.9	0.0	0.0
92	2462.9	640.0	0.0	93	2462.9	512.0	0.0	94	2462.9	384.0	0.0
95	2462.9	256.0	0.0	96	2462.9	128.0	0.0				

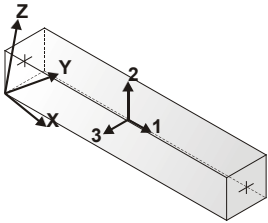

Nodo	X	Y	Z	Note	Rig. TX	Rig. TY	Rig. TZ	Rig. RX	Rig. RY	Rig.
RZ	cm	cm	cm		daN/cm	daN/cm	daN/cm	daN cm/rad	daN cm/rad	daN
cm/rad										
1	0.0	0.0	0.0	v=011000						
2	3000.0	0.0	0.0	v=111000						
23	0.0	640.0	0.0	v=011000						
24	3000.0	640.0	0.0	v=111000						
37	3000.0	128.0	0.0	v=111000						
38	3000.0	256.0	0.0	v=111000						
39	3000.0	384.0	0.0	v=111000						
40	3000.0	512.0	0.0	v=111000						
69	0.0	128.0	0.0	v=011000						
70	0.0	256.0	0.0	v=011000						
71	0.0	384.0	0.0	v=011000						
72	0.0	512.0	0.0	v=011000						
73	0.0	-100.0	0.0	v=011000						
81	3000.0	-100.0	0.0	v=111000						
82	0.0	740.0	0.0	v=011000						
90	3000.0	740.0	0.0	v=111000						



# MODELLAZIONE STRUTTURA: ELEMENTI TRAVE

## TABELLA DATI TRAVI

Il programma utilizza per la modellazione elementi a due nodi denominati in generale travi. Ogni elemento trave è individuato dal nodo iniziale e dal nodo finale. Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione.

	orientamento elementi 2D non verticali
	orientamento elementi 2D verticali

In particolare per ogni elemento viene indicato in tabella:

<b>Elem.</b>	numero dell'elemento
<b>Note</b>	codice di comportamento: trave, trave di fondazione, pilastro, asta, asta tesa, asta compressa,
<b>Nodo I (J)</b>	numero del nodo iniziale (finale)
<b>Mat.</b>	codice del materiale assegnato all'elemento
<b>Sez.</b>	codice della sezione assegnata all'elemento
<b>Rotaz.</b>	valore della rotazione dell'elemento, attorno al proprio asse, nel caso in cui l'orientamento di default non sia adottabile; l'orientamento di default prevede per gli elementi non verticali l'asse 2 contenuto nel piano verticale e l'asse 3 orizzontale, per gli elementi verticali l'asse 2 diretto secondo X negativo e l'asse 3 diretto secondo Y negativo
<b>Svincolo I (J)</b>	codici di svincolo per le azioni interne; i primi sei codici si riferiscono al nodo iniziale, i restanti sei al nodo finale (il valore 1 indica che la relativa azione interna non è attiva)
<b>Wink V</b>	costante di sottofondo (coefficiente di Winkler) per la modellazione della trave su suolo elastico
<b>Wink O</b>	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico orizzontale



Elem. VWink O	Note	Nodo I	Nodo J	Mat.	Sez.	Crit.	Rotaz. gradi	Svincolo I	Svincolo J	Wink daN/cm3daN/
cm3										
1	Pilas.	1	3	8	2	4				
2	Pilas.	2	4	8	2	4				
3	Pilas.	8	7	8	2	4				
4	Pilas.	10	9	8	2	4				
5	Pilas.	12	11	8	2	4				
6	Pilas.	16	15	8	2	4				
7	Pilas.	18	17	8	2	4				
8	Pilas.	20	19	8	2	4				
9	Pilas.	23	25	8	2	4				
10	Pilas.	24	26	8	2	4				
11	Pilas.	6	29	8	2	4				
12	Pilas.	22	31	8	2	4				
13	Pilas.	28	33	8	2	4				
14	Pilas.	32	5	8	2	4				
15	Pilas.	34	21	8	2	4				
16	Pilas.	36	27	8	2	4				
17	Pilas.	30	35	8	2	4				
18	Pilas.	14	13	8	2	4				
19	Trave	1	20	8	1	4				
20	Trave	20	18	8	1	4				
21	Trave	8	2	8	1	4				
22	Trave	10	91	8	1	4				
23	Trave	12	10	8	1	4				
24	Trave	14	12	8	1	4				
25	Trave	16	14	8	1	4				
26	Trave	18	16	8	1	4				
27	Trave	23	36	8	1	4				
28	Trave	36	34	8	1	4				
29	Trave	6	24	8	1	4				
30	Trave	22	92	8	1	4				
31	Trave	28	22	8	1	4				
32	Trave	30	28	8	1	4				
33	Trave	32	30	8	1	4				
34	Trave	34	32	8	1	4				
35	Trave	25	27	8	4	4				
36	Trave	3	19	8	4	4				
37	Trave	19	17	8	4	4				
38	Trave	17	15	8	4	4				
39	Trave	15	13	8	4	4				
40	Trave	13	11	8	4	4				
41	Trave	11	9	8	4	4				
42	Trave	9	7	8	4	4				
43	Trave	7	4	8	4	4				
44	Trave	27	21	8	4	4				
45	Trave	21	5	8	4	4				
46	Trave	5	35	8	4	4				
47	Trave	35	33	8	4	4				
48	Trave	33	31	8	4	4				
49	Trave	31	29	8	4	4				
50	Trave	29	26	8	4	4				
51	Trave	2	37	8	5	4				
52	Trave	8	41	8	5	4				
53	Trave	10	45	8	5	4				
54	Trave	12	49	8	5	4				
55	Trave	14	53	8	5	4				
56	Trave	16	57	8	5	4				
57	Trave	18	61	8	5	4				
58	Trave	20	65	8	5	4				
59	Trave	1	69	8	5	4				
60	Trave	37	38	8	5	4				
61	Trave	38	39	8	5	4				
62	Trave	39	40	8	5	4				
63	Trave	40	24	8	5	4				
64	Trave	41	42	8	5	4				
65	Trave	42	43	8	5	4				
66	Trave	43	44	8	5	4				
67	Trave	44	6	8	5	4				
68	Trave	45	46	8	5	4				
69	Trave	46	47	8	5	4				
70	Trave	47	48	8	5	4				
71	Trave	48	22	8	5	4				
72	Trave	49	50	8	5	4				
73	Trave	50	51	8	5	4				



74	Trave	51	52	8	5	4
75	Trave	52	28	8	5	4
76	Trave	53	54	8	5	4
77	Trave	54	55	8	5	4
78	Trave	55	56	8	5	4
79	Trave	56	30	8	5	4
80	Trave	57	58	8	5	4
81	Trave	58	59	8	5	4
82	Trave	59	60	8	5	4
83	Trave	60	32	8	5	4
84	Trave	61	62	8	5	4
85	Trave	62	63	8	5	4
86	Trave	63	64	8	5	4
87	Trave	64	34	8	5	4
88	Trave	65	66	8	5	4
89	Trave	66	67	8	5	4
90	Trave	67	68	8	5	4
91	Trave	68	36	8	5	4
92	Trave	69	70	8	5	4
93	Trave	70	71	8	5	4
94	Trave	71	72	8	5	4
95	Trave	72	23	8	5	4
96	Trave	72	68	8	6	4
97	Trave	71	67	8	6	4
98	Trave	70	66	8	6	4
99	Trave	69	65	8	6	4
100	Trave	44	40	8	6	4
101	Trave	43	39	8	6	4
102	Trave	42	38	8	6	4
103	Trave	41	37	8	6	4
104	Trave	48	93	8	6	4
105	Trave	47	94	8	6	4
106	Trave	46	95	8	6	4
107	Trave	45	96	8	6	4
108	Trave	52	48	8	6	4
109	Trave	51	47	8	6	4
110	Trave	50	46	8	6	4
111	Trave	49	45	8	6	4
112	Trave	56	52	8	6	4
113	Trave	55	51	8	6	4
114	Trave	54	50	8	6	4
115	Trave	53	49	8	6	4
116	Trave	60	56	8	6	4
117	Trave	59	55	8	6	4
118	Trave	58	54	8	6	4
119	Trave	57	53	8	6	4
120	Trave	64	60	8	6	4
121	Trave	63	59	8	6	4
122	Trave	62	58	8	6	4
123	Trave	61	57	8	6	4
124	Trave	68	64	8	6	4
125	Trave	67	63	8	6	4
126	Trave	66	62	8	6	4
127	Trave	65	61	8	6	4
128	Trave	73	1	8	8	4
129	Trave	74	20	8	8	4
130	Trave	75	18	8	8	4
131	Trave	76	16	8	8	4
132	Trave	77	14	8	8	4
133	Trave	78	12	8	8	4
134	Trave	79	10	8	8	4
135	Trave	80	8	8	8	4
136	Trave	81	2	8	8	4
137	Trave	23	82	8	8	4
138	Trave	36	83	8	8	4
139	Trave	34	84	8	8	4
140	Trave	32	85	8	8	4
141	Trave	30	86	8	8	4
142	Trave	28	87	8	8	4
143	Trave	22	88	8	8	4
144	Trave	6	89	8	8	4
145	Trave	24	90	8	8	4
146	Trave	91	8	8	1	4
147	Trave	92	6	8	1	4
148	Trave	93	44	8	6	4
149	Trave	94	43	8	6	4
150	Trave	95	42	8	6	4
151	Trave	96	41	8	6	4



# MODELLAZIONE DELLA STRUTTURA: ELEMENTI SOLAIO-PANNELLO

## LEGENDA TABELLA DATI SOLAI-PANNELLI

Il programma utilizza per la modellazione elementi a tre o più nodi denominati in generale solaio o pannello. Ogni elemento solaio-pannello è individuato da una poligonale di nodi 1,2, ..., N.

L'elemento solaio è utilizzato in primo luogo per la modellazione dei carichi agenti sugli elementi strutturali. In secondo luogo può essere utilizzato per la corretta ripartizione delle forze orizzontali agenti nel proprio piano. L'elemento balcone è derivato dall'elemento solaio.

I carichi agenti sugli elementi solaio, raccolti in un archivio, sono direttamente assegnati agli elementi utilizzando le informazioni raccolte nell' archivio (es. i coefficienti combinatori). La tabella seguente riporta i dati utilizzati per la definizione dei carichi e delle masse.

L'elemento pannello è utilizzato solo per l'applicazione dei carichi, quali pesi delle tamponature o spinte dovute al vento o terre. In questo caso i carichi sono applicati in analogia agli altri elementi strutturali (si veda il cap. SCHEMATIZZAZIONE DEI CASI DI CARICO).

<b>Id.Arch.</b>	Identificativo dell' archivio
<b>Tipo</b>	Tipo di carico <b>Variab.</b> Carico variabile generico <b>Var. rid.</b> Carico variabile generico con riduzione in funzione dell' area (c.5.5. ...) <b>Neve</b> Carico di neve
<b>G1k</b>	carico permanente (comprensivo del peso proprio)
<b>G2k</b>	carico permanente non strutturale e non compiutamente definito
<b>Qk</b>	carico variabile
<b>Fatt. A</b>	fattore di riduzione del carico variabile (0.5 o 0.75) per tipo "Var.rid."
<b>S sis.</b>	fattore di riduzione del carico variabile per la definizione delle masse sismiche per D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento")
<b>Psi 0</b>	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: <b>per valore raro</b>
<b>Psi 1</b>	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: <b>per valore frequente</b>
<b>Psi 2</b>	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: <b>per valore quasi permanente</b>
<b>Psi S 2</b>	Coefficiente di combinazione che fornisce il valore quasi-permanente dell'azione variabile: <b>per la definizione delle masse sismiche</b>
<b>Fatt. Fi</b>	Coefficiente di correlazione dei carichi per edifici

Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione. In particolare per ogni elemento viene indicato in tabella:

<b>Elem</b>	numero dell'elemento
<b>Tipo</b>	codice di comportamento <b>S</b> elemento utilizzato solo per scarico <b>C</b> elemento utilizzato per scarico e per modellazione piano rigido <b>P</b> elemento utilizzato come pannello <b>M</b> scarico monodirezionale <b>B</b> scarico bidirezionale
<b>Id.Arch.</b>	Identificativo dell' archivio
<b>Mat</b>	codice del materiale assegnato all'elemento
<b>Spessore</b>	spessore dell'elemento (costante)
<b>Orditura</b>	angolo (rispetto all'asse X) della direzione dei travetti principali
<b>Gk</b>	carico permanente solaio (comprensivo del peso proprio)
<b>Qk</b>	carico variabile solaio



<b>Nodi</b>	numero dei nodi che definiscono l'elemento (5 per riga)
-------------	---

Nel caso in cui si sia proceduto alla progettazione dei solai con le tensioni ammissibili vengono riportate le massime tensioni nell'elemento (massima compressione nel calcestruzzo, massima tensione nell'acciaio, massima tensione tangenziale); nel caso in cui si sia proceduto alla progettazione con il metodo degli stati limite vengono riportati il rapporto  $x/d$  e le verifiche per sollecitazioni proporzionali nonché le verifiche in esercizio.

In particolare i simboli utilizzati in tabella assumono il seguente significato:

<b>Elem.</b>	numero identificativo dell'elemento
<b>Stato</b>	Codici di verifica relativi alle tensioni normali e alle tensioni tangenziali
<b>Note</b>	Viene riportato il codice relativo alla sezione(s) e relativo al materiale(m);
<b>Pos.</b>	Ascissa del punto di verifica
<b>F ist, F infi</b>	Frecce istantanee e a tempo infinito
<b>Momento</b>	Momento flettente
<b>Taglio</b>	Sollecitazione di taglio
<b>Af inf.</b>	Area di armatura longitudinale posta all'intradosso della trave
<b>Af sup.</b>	Area di armatura longitudinale posta all'estradosso della trave
<b>AfV</b>	Area dell'armatura atta ad assorbire le azioni di taglio
<b>Beff</b>	Base della sezione di cls per l'assorbimento del taglio
<b><i>simboli utilizzati con il metodo delle tensioni ammissibili:</i></b>	
<b>sc max</b>	Massima tensione di compressione del calcestruzzo
<b>sf max</b>	Massima tensione nell'acciaio
<b>tau max</b>	Massima tensione tangenziale nel cls
<b><i>simboli utilizzati con il metodo degli stati limite:</i></b>	
<b>x/d</b>	rapporto tra posizione dell'asse neutro e altezza utile alla rottura della sezione (per sola flessione)
<b>verif.</b>	rapporto $S_d/S_u$ con sollecitazioni ultime proporzionali: valore minore o uguale a 1 per verifica positiva
<b>Verif.V</b>	rapporto $S_d/S_u$ con sollecitazioni taglianti proporzionali valore minore o uguale a 1 per verifica positiva
<b>rRfck</b>	rapporto tra la massima compressione nel calcestruzzo e la tensione $f_{ck}$ in combinazioni rare [normalizzato a 1]
<b>rFfck</b>	rapporto tra la massima compressione nel calcestruzzo e la tensione $f_{ck}$ in combinazioni frequenti [normalizzato a 1]
<b>rPfck</b>	rapporto tra la massima compressione nel calcestruzzo e la tensione $f_{ck}$ in combinazioni quasi permanenti [normalizzato a 1]
<b>rRfyk</b>	rapporto tra la massima tensione nell'acciaio e la tensione $f_{yk}$ in combinazioni frequenti [normalizzato a 1]
<b>rFyk</b>	rapporto tra la massima tensione nell'acciaio e la tensione $f_{yk}$ in combinazioni rare [normalizzato a 1]
<b>rPfyk</b>	rapporto tra la massima tensione nell'acciaio e la tensione $f_{yk}$ in combinazioni quasi permanenti [normalizzato a 1]
<b>wR</b>	apertura caratteristica delle fessure in combinazioni rare [mm]
<b>wF</b>	apertura caratteristica delle fessure in combinazioni frequenti [mm]
<b>wP</b>	apertura caratteristica delle fessure in combinazioni quasi permanenti [mm]

Nel caso in cui si sia proceduto alla verifica delle tamponature secondo il D.M. 17.01.2018 - §7.2.3 viene riportata una tabella riassuntiva delle verifiche degli elementi pannello. La verifica confronta i momenti sollecitanti indotti dal sisma con i momenti resistenti, secondo tre ipotesi, due basate sulla resistenza a pressoflessione della tamponatura ed una basata sul cinematisimo a seguito della formazione di tre cerniere plastiche sulla tamponatura (rif. Ufficio di Vigilanza sulle Costruzioni, Provincia di Terni).

Qualora la tamponatura sia di tipo antiespulsione (nelle due possibili varianti ordinaria o armata) viene condotta una verifica con meccanismo ad arco con degrado di resistenza. La verifica confronta le pressioni sollecitanti



indotte dal sisma con le pressioni resistenti che la tamponatura sviluppa attraverso il meccanismo ad arco. La verifica considera anche il degrado di resistenza dovuto al danneggiamento nel piano della tamponatura. Per quest'ultima tamponatura sono disponibili, in funzione del materiale impiegato (materiale [52] o materiale [53]):

- **Tamponatura Antiespulsione ordinaria Poroton® Cis Edil** sp.30 cm; con metodo di verifica per meccanismo ad arco con degrado di resistenza, sviluppato attraverso i risultati di un progetto di ricerca sperimentale condotto dall'Università degli Studi di Padova. Utilizzabile per il materiale [52].
- **Tamponatura Antiespulsione armata Poroton® Cis Edil** sp.30 cm; con metodo di verifica per meccanismo ad arco con degrado di resistenza, sviluppato attraverso i risultati di un progetto di ricerca sperimentale condotto dall'Università degli Studi di Padova. Utilizzabile per il materiale [53].

La verifica è stata calibrata sulla base di prove sperimentali sul sistema di Tamponatura Antiespulsione anche in presenza di aperture.

(rif. Rapporti di Prova redatti dal Dipartimento ICEA - Università degli Studi di Padova di test sperimentali condotti sul sistema Tamponatura Antiespulsione di Cis Edil)

In particolare i simboli utilizzati in tabella assumono il seguente significato:

Elem.	Numero identificativo dell'elemento
Stato	Codice di verifica
Ver. c.c.	Verifica nell'ipotesi di trave appoggiata con carico concentrato in mezzeria
Ver. c.d.	Verifica nell'ipotesi di trave appoggiata con carico distribuito
Ver. c.cin.	Verifica nell'ipotesi di cinematismo con formazione di cerniere plastiche in appoggio e mezzeria
Ver. CIS	Rapporto pa/pr (valore minore o uguale a 1 per verifica positiva)
Z	Quota del baricentro dell'elemento
T1	Periodo proprio dell'edificio nella direzione di interesse (ortogonale al pannello)
Ta	Periodo proprio della parete
Sa	Accelerazione massima, adimensionalizzata allo SLV
pa	Pressione sulla parete causata dall'azione sismica
pr	Pressione resistente del meccanismo ad arco
Drift	Spostamento relativo interpiano allo SLV valutato secondo il D.M. 14.01.2018 - § 7.3.3.3
Beta a	Coef. riduttivo per tener conto del danneggiamento del piano dipendente dallo spostamento, ottenuto sperimentalmente

ID Arch. 2Fatt. Fi	Tipo	G1k	G2k	Qk	Fatt. A	s sis.	Psi 0	Psi 1	Psi 2	Psi S	
		daN/ m2	daN/ m2	daN/ m2							
0	1	Variab.	250.00	210.00	1600.00		1.00	0.70	0.50	0.30	1.0
0	2	Variab.	250.00	210.00	950.00		1.00	0.70	0.50	0.30	1.0
0	3	Variab.	250.00		500.00		1.00	0.70	0.50	0.30	1.0

Elem.	Tipo	ID Arch.	Mat.	Spessore	Orditura	G1k	G2k	Qk	Nodo 1/6..	Nodo 2/7..	Nodo	
3/8..	Nodo..	Nodo..										
						daN/ m2	daN/ m2	daN/ m2				
1	CB	1	m=8	10.0	90.0	250.00	210.00	1600.00	20	65	69	1
2	CB	1	m=8	10.0	90.0	250.00	210.00	1600.00	65	66	70	69
3	CB	1	m=8	10.0	90.0	250.00	210.00	1600.00	66	67	71	70
4	CB	2	m=8	10.0	90.0	250.00	210.00	950.00	67	68	72	71
5	CB	2	m=8	10.0	90.0	250.00	210.00	950.00	68	36	23	72
6	CB	1	m=8	10.0	90.0	250.00	210.00	1600.00	18	61	65	20
7	CB	1	m=8	10.0	90.0	250.00	210.00	1600.00	61	62	66	65
8	CB	1	m=8	10.0	90.0	250.00	210.00	1600.00	62	63	67	66
9	CB	2	m=8	10.0	90.0	250.00	210.00	950.00	63	64	68	67
10	CB	2	m=8	10.0	90.0	250.00	210.00	950.00	64	34	36	68
11	CB	1	m=8	10.0	90.0	250.00	210.00	1600.00	16	57	61	18



12	CB	1	m=8	10.0	90.0	250.00	210.00	1600.00	57	58	62	61
13	CB	1	m=8	10.0	90.0	250.00	210.00	1600.00	58	59	63	62
14	CB	2	m=8	10.0	90.0	250.00	210.00	950.00	59	60	64	63
15	CB	2	m=8	10.0	90.0	250.00	210.00	950.00	60	32	34	64
16	CB	1	m=8	10.0	90.0	250.00	210.00	1600.00	14	53	57	16
17	CB	1	m=8	10.0	90.0	250.00	210.00	1600.00	53	54	58	57
18	CB	1	m=8	10.0	90.0	250.00	210.00	1600.00	54	55	59	58
19	CB	2	m=8	10.0	90.0	250.00	210.00	950.00	55	56	60	59
20	CB	2	m=8	10.0	90.0	250.00	210.00	950.00	56	30	32	60
21	CB	1	m=8	10.0	90.0	250.00	210.00	1600.00	12	49	53	14
22	CB	1	m=8	10.0	90.0	250.00	210.00	1600.00	49	50	54	53
23	CB	1	m=8	10.0	90.0	250.00	210.00	1600.00	50	51	55	54
24	CB	2	m=8	10.0	90.0	250.00	210.00	950.00	51	52	56	55
25	CB	2	m=8	10.0	90.0	250.00	210.00	950.00	52	28	30	56
26	CB	1	m=8	10.0	90.0	250.00	210.00	1600.00	10	45	49	12
27	CB	1	m=8	10.0	90.0	250.00	210.00	1600.00	45	46	50	49
28	CB	1	m=8	10.0	90.0	250.00	210.00	1600.00	46	47	51	50
29	CB	2	m=8	10.0	90.0	250.00	210.00	950.00	47	48	52	51
30	CB	2	m=8	10.0	90.0	250.00	210.00	950.00	48	22	28	52
31	CM	3	m=8	10.0	90.0	250.00		500.00	30	86	85	32
32	CM	3	m=8	10.0	90.0	250.00		500.00	28	87	86	30
33	CM	3	m=8	10.0	90.0	250.00		500.00	22	88	87	28
34	CM	3	m=8	10.0	90.0	250.00		500.00	6	89	88	22
35	CM	3	m=8	10.0	90.0	250.00		500.00	24	90	89	6
36	CB	1	m=8	10.0	90.0	250.00	210.00	1600.00	2	37	41	8
37	CB	1	m=8	10.0	90.0	250.00	210.00	1600.00	37	38	42	41
38	CB	1	m=8	10.0	90.0	250.00	210.00	1600.00	38	39	43	42
39	CB	2	m=8	10.0	90.0	250.00	210.00	950.00	39	40	44	43
40	CB	2	m=8	10.0	90.0	250.00	210.00	950.00	40	24	6	44
41	CM	3	m=8	10.0	90.0	250.00		500.00	1	73	74	20
42	CM	3	m=8	10.0	90.0	250.00		500.00	20	74	75	18
43	CM	3	m=8	10.0	90.0	250.00		500.00	18	75	76	16
44	CM	3	m=8	10.0	90.0	250.00		500.00	16	76	77	14
45	CM	3	m=8	10.0	90.0	250.00		500.00	14	77	78	12
46	CM	3	m=8	10.0	90.0	250.00		500.00	12	78	79	10
47	CM	3	m=8	10.0	90.0	250.00		500.00	10	79	80	8
48	CM	3	m=8	10.0	90.0	250.00		500.00	8	80	81	2
49	CM	3	m=8	10.0	90.0	250.00		500.00	36	83	82	23
50	CM	3	m=8	10.0	90.0	250.00		500.00	34	84	83	36
51	CM	3	m=8	10.0	90.0	250.00		500.00	32	85	84	34
52	CB	2	m=8	10.0	90.0	250.00	210.00	950.00	22	48	93	92
53	CB	2	m=8	10.0	90.0	250.00	210.00	950.00	93	44	6	92
54	CB	2	m=8	10.0	90.0	250.00	210.00	950.00	94	93	48	47
55	CB	2	m=8	10.0	90.0	250.00	210.00	950.00	94	43	44	93
56	CB	1	m=8	10.0	90.0	250.00	210.00	1600.00	47	46	95	94
57	CB	1	m=8	10.0	90.0	250.00	210.00	1600.00	95	42	43	94
58	CB	1	m=8	10.0	90.0	250.00	210.00	1600.00	46	45	96	95
59	CB	1	m=8	10.0	90.0	250.00	210.00	1600.00	41	42	95	96
60	CB	1	m=8	10.0	90.0	250.00	210.00	1600.00	45	10	91	96
61	CB	1	m=8	10.0	90.0	250.00	210.00	1600.00	8	41	96	91



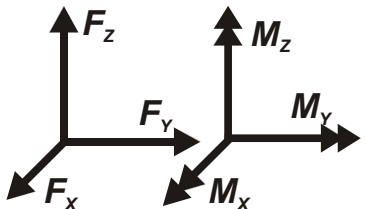
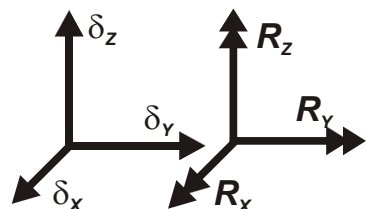
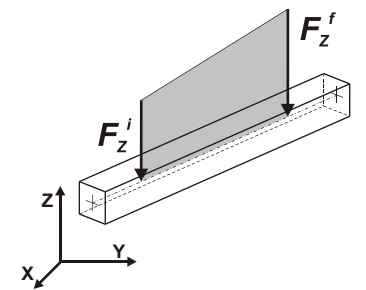
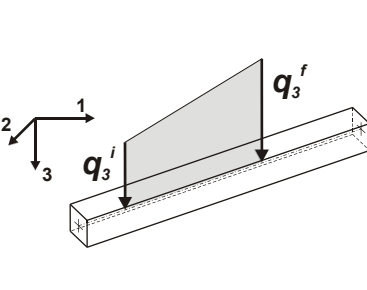
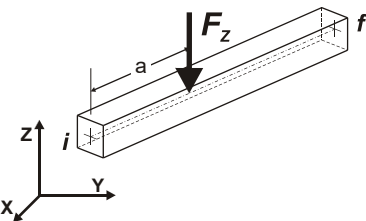
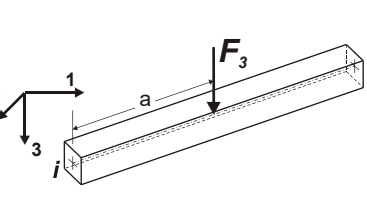
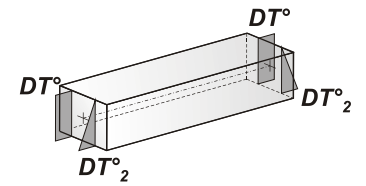
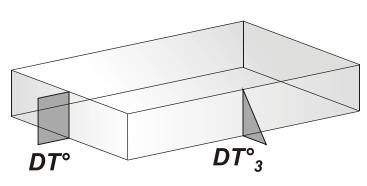
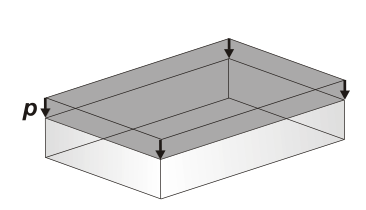
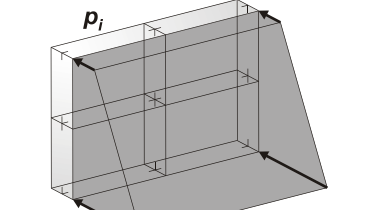
# MODELLAZIONE DELLE AZIONI

## LEGENDA TABELLA DATI AZIONI

Il programma consente l'uso di diverse tipologie di carico (azioni). Le azioni utilizzate nella modellazione sono individuate da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni azione applicata alla struttura viene di riportato il codice, il tipo e la sigla identificativa. Le tabelle successive dettagliano i valori caratteristici di ogni azione in relazione al tipo. Le tabelle riportano infatti i seguenti dati in relazione al tipo:

1	<b>carico concentrato nodale</b> 6 dati (forza Fx, Fy, Fz, momento Mx, My, Mz)
2	<b>spostamento nodale impresso</b> 6 dati (spostamento Tx,Ty,Tz, rotazione Rx,Ry,Rz)
3	<b>carico distribuito globale su elemento tipo trave</b> 7 dati (fx,fy,fz,mx,my,mz,ascissa di inizio carico) 7 dati (fx,fy,fz,mx,my,mz,ascissa di fine carico)
4	<b>carico distribuito locale su elemento tipo trave</b> 7 dati (f1,f2,f3,m1,m2,m3,ascissa di inizio carico) 7 dati (f1,f2,f3,m1,m2,m3,ascissa di fine carico)
5	<b>carico concentrato globale su elemento tipo trave</b> 7 dati (Fx,Fy,Fz,Mx,My,Mz,ascissa di carico)
6	<b>carico concentrato locale su elemento tipo trave</b> 7 dati (F1, F2, F3, M1, M2, M3, ascissa di carico)
7	<b>variazione termica applicata ad elemento tipo trave</b> 7 dati (variazioni termiche: uniforme, media e differenza in altezza e larghezza al nodo iniziale e finale)
8	<b>carico di pressione uniforme su elemento tipo piastra</b> 1 dato (pressione)
9	<b>carico di pressione variabile su elemento tipo piastra</b> 4 dati (pressione, quota, pressione, quota)
10	<b>variazione termica applicata ad elemento tipo piastra</b> 2 dati (variazioni termiche: media e differenza nello spessore)
11	<b>carico variabile generale su elementi tipo trave e piastra</b> 1 dato descrizione della tipologia 4 dati per segmento (posizione, valore, posizione, valore) la tipologia precisa l'ascissa di definizione, la direzione del carico, la modalità di carico e la larghezza d'influenza per gli elementi tipo trave
12	<b>gruppo di carichi con impronta su piastra</b> 9 dati (numero di ripetizioni in direzione X e Y, valore di ciascun carico, posizione centrale del primo, dimensioni dell' impronta, interasse tra i carichi)



 <p>Carico concentrato nodale</p>	 <p>Spostamento impresso</p>
 <p>Carico distribuito globale</p>	 <p>Carico distribuito locale</p>
 <p>Carico concentrato globale</p>	 <p>Carico concentrato locale</p>
 <p>Carico termico 2D</p>	 <p>Carico termico 3D</p>
 <p>Carico pressione uniforme</p>	 <p>Carico pressione variabile</p>

Tipo carico concentrato nodale

Id	Tipo	Fx	Fy	Fz	Mx	My	Mz
		daN	daN	daN	daN m	daN m	daN m
9	CN:Fz=-3.000e+04	0.0	0.0	-3.000e+04	0.0	0.0	0.0



# SCHEMATIZZAZIONE DEI CASI DI CARICO

## LEGENDA TABELLA CASI DI CARICO

Il programma consente l'applicazione di diverse tipologie di casi di carico.  
Sono previsti i seguenti 11 tipi di casi di carico:

	Sigla	Tipo	Descrizione
1	Ggk	A	caso di carico comprensivo del peso proprio struttura
2	Gk	NA	caso di carico con azioni permanenti
3	Qk	NA	caso di carico con azioni variabili
4	Gsk	A	caso di carico comprensivo dei carichi permanenti sui solai e sulle coperture
5	Qsk	A	caso di carico comprensivo dei carichi variabili sui solai
6	Qnk	A	caso di carico comprensivo dei carichi di neve sulle coperture
7	Qtk	SA	caso di carico comprensivo di una variazione termica agente sulla struttura
8	Qvk	NA	caso di carico comprensivo di azioni da vento sulla struttura
9	Esk	SA	caso di carico sismico con analisi statica equivalente
10	Edk	SA	caso di carico sismico con analisi dinamica
11	Etk	NA	caso di carico comprensivo di azioni derivanti dall' incremento di spinta delle terre in condizione sismica
12	Pk	NA	caso di carico comprensivo di azioni derivanti da coazioni, cedimenti e precompressioni

Sono di tipo automatico A (ossia non prevedono introduzione dati da parte dell'utente) i seguenti casi di carico:  
1-Ggk; 4-Gsk; 5-Qsk; 6-Qnk.

Sono di tipo semi-automatico SA (ossia prevedono una minima introduzione dati da parte dell'utente) i seguenti casi di carico:  
7-Qtk, in quanto richiede solo il valore della variazione termica;  
9-Esk e 10-Edk, in quanto richiedono il valore dell'angolo di ingresso del sisma e l'individuazione dei casi di carico partecipanti alla definizione delle masse.

Sono di tipo non automatico NA ossia prevedono la diretta applicazione di carichi generici agli elementi strutturali (si veda il precedente punto Modellazione delle Azioni) i restanti casi di carico.

Nella tabella successiva vengono riportati i casi di carico agenti sulla struttura, con l'indicazione dei dati relativi al caso di carico stesso:  
*Numero Tipo e Sigla identificativa, Valore di riferimento del caso di carico (se previsto).*

In successione, per i casi di carico non automatici, viene riportato l'elenco di nodi ed elementi direttamente caricati con la sigla identificativa del carico.

Per i casi di carico di tipo sismico (9-Esk e 10-Edk), viene riportata la tabella di definizione delle masse: per ogni caso di carico partecipante alla definizione delle masse viene indicata la relativa aliquota (partecipazione) considerata. Si precisa che per i caso di carico 5-Qsk e 6-Qnk la partecipazione è prevista localmente per ogni elemento solaio o copertura presente nel modello (si confronti il valore Sksol nel capitolo relativo agli elementi solaio) e pertanto la loro partecipazione è di norma pari a uno.

CDC	Tipo	Sigla Id	Note
1	Ggk	CDC=Ggk (peso proprio della struttura)	
2	Gsk	CDC=G1sk (permanente solai-coperture)	
3	Gsk	CDC=G2sk (permanente solai-coperture n.c.d.)	
4	Qsk	CDC=Qsk (variabile solai)	
5	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)
			partecipazione:1.00 per 2 CDC=G1sk (permanente solai-coperture)
			partecipazione:1.00 per 3 CDC=G2sk (permanente solai-coperture n.c.d.)
			partecipazione:1.00 per 4 CDC=Qsk (variabile solai)
6	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	come precedente CDC sismico



CDC	Tipo	Sigla Id	Note
7	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	come precedente CDC sismico
8	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	come precedente CDC sismico
9	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	come precedente CDC sismico
10	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	come precedente CDC sismico
11	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	come precedente CDC sismico
12	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	come precedente CDC sismico
13	Qk	CDC=Qk (variabile generico) .....	Azioni applicate:
			Nodo:da 41 a 44 Azione : CN:Fz=-3.000e+04
			Nodo:da 93 a 96 Azione : CN:Fz=-3.000e+04



# DEFINIZIONE DELLE COMBINAZIONI

## LEGENDA TABELLA COMBINAZIONI DI CARICO

Il programma combina i diversi tipi di casi di carico (CDC) secondo le regole previste dalla normativa vigente. Le combinazioni previste sono destinate al controllo di sicurezza della struttura ed alla verifica degli spostamenti e delle sollecitazioni.

La prima tabella delle combinazioni riportata di seguito comprende le seguenti informazioni: Numero, Tipo, Sigla identificativa. Una seconda tabella riporta il peso nella combinazione assunto per ogni caso di carico.

Ai fini delle verifiche degli stati limite si definiscono le seguenti combinazioni delle azioni:

**Combinazione fondamentale SLU**

$$\gamma G1 \cdot G1 + \gamma G2 \cdot G2 + \gamma P \cdot P + \gamma Q1 \cdot Qk1 + \gamma Q2 \cdot \psi 02 \cdot Qk2 + \gamma Q3 \cdot \psi 03 \cdot Qk3 + \dots$$

**Combinazione caratteristica (rara) SLE**

$$G1 + G2 + P + Qk1 + \psi 02 \cdot Qk2 + \psi 03 \cdot Qk3 + \dots$$

**Combinazione frequente SLE**

$$G1 + G2 + P + \psi 11 \cdot Qk1 + \psi 22 \cdot Qk2 + \psi 23 \cdot Qk3 + \dots$$

**Combinazione quasi permanente SLE**

$$G1 + G2 + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \psi 23 \cdot Qk3 + \dots$$

**Combinazione sismica, impiegata per gli stati limite ultimi e di esercizio connessi all'azione sismica E**

$$E + G1 + G2 + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \dots$$

**Combinazione eccezionale, impiegata per gli stati limite connessi alle azioni eccezionali**

$$G1 + G2 + Ad + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \dots$$

Dove:

NTC 2018 Tabella 2.5.I

Destinazione d'uso/azione	$\psi 0$	$\psi 1$	$\psi 2$
Categoria A residenziali	0,70	0,50	0,30
Categoria B uffici	0,70	0,50	0,30
Categoria C ambienti suscettibili di affollamento	0,70	0,70	0,60
Categoria D ambienti ad uso commerciale	0,70	0,70	0,60
Categoria E biblioteche, archivi, magazzini,...	1,00	0,90	0,80
Categoria F Rimesse e parcheggi (autoveicoli $\leq 30kN$ )	0,70	0,70	0,60
Categoria G Rimesse e parcheggi (autoveicoli $> 30kN$ )	0,70	0,50	0,30
Categoria H Coperture	0,00	0,00	0,00
Vento	0,60	0,20	0,00
Neve a quota $\leq 1000\text{ m}$	0,50	0,20	0,00
Neve a quota $> 1000\text{ m}$	0,70	0,50	0,20
Variazioni Termiche	0,60	0,50	0,00

Nelle verifiche possono essere adottati in alternativa due diversi approcci progettuali:

- per l'approccio 1 si considerano due diverse combinazioni di gruppi di coefficienti di sicurezza parziali per le azioni, per i materiali e per la resistenza globale (combinazione 1 con coefficienti A1 e combinazione 2 con coefficienti A2),
- per l'approccio 2 si definisce un'unica combinazione per le azioni, per la resistenza dei materiali e per la resistenza globale (con coefficienti A1).

NTC 2018 Tabella 2.6.I

		Coefficiente	<b>EQU</b>	<b>A1</b>	<b>A2</b>
		$\gamma f$			
Carichi permanenti	Favorevoli	$\gamma G1$	0,9	1,0	1,0



	<i>Sfavorevoli</i>		<i>1,1</i>	<i>1,3</i>	<i>1,0</i>
<i>Carichi permanenti non strutturali (Non compiutamente definiti)</i>	<i>Favorevoli Sfavorevoli</i>	$\gamma_{G2}$	<i>0,8 1,5</i>	<i>0,8 1,5</i>	<i>0,8 1,3</i>
<i>Carichi variabili</i>	<i>Favorevoli Sfavorevoli</i>	$\gamma_{Qi}$	<i>0,0 1,5</i>	<i>0,0 1,5</i>	<i>0,0 1,3</i>

Cmb	Tipo	Sigla Id	effetto P-delta
1	SLU	Comb. SLU A1 1	
2	SLU	Comb. SLU A1 2	
3	SLU	Comb. SLU A1 3	
4	SLU	Comb. SLU A1 4	
5	SLU	Comb. SLU A1 5	
6	SLU	Comb. SLU A1 6	
7	SLU	Comb. SLU A1 7	
8	SLU	Comb. SLU A1 8	
9	SLU	Comb. SLU A1 (SLV sism.) 9	
10	SLU	Comb. SLU A1 (SLV sism.) 10	
11	SLU	Comb. SLU A1 (SLV sism.) 11	
12	SLU	Comb. SLU A1 (SLV sism.) 12	
13	SLU	Comb. SLU A1 (SLV sism.) 13	
14	SLU	Comb. SLU A1 (SLV sism.) 14	
15	SLU	Comb. SLU A1 (SLV sism.) 15	
16	SLU	Comb. SLU A1 (SLV sism.) 16	
17	SLU	Comb. SLU A1 (SLV sism.) 17	
18	SLU	Comb. SLU A1 (SLV sism.) 18	
19	SLU	Comb. SLU A1 (SLV sism.) 19	
20	SLU	Comb. SLU A1 (SLV sism.) 20	
21	SLU	Comb. SLU A1 (SLV sism.) 21	
22	SLU	Comb. SLU A1 (SLV sism.) 22	
23	SLU	Comb. SLU A1 (SLV sism.) 23	
24	SLU	Comb. SLU A1 (SLV sism.) 24	
25	SLU	Comb. SLU A1 (SLV sism.) 25	
26	SLU	Comb. SLU A1 (SLV sism.) 26	
27	SLU	Comb. SLU A1 (SLV sism.) 27	
28	SLU	Comb. SLU A1 (SLV sism.) 28	
29	SLU	Comb. SLU A1 (SLV sism.) 29	
30	SLU	Comb. SLU A1 (SLV sism.) 30	
31	SLU	Comb. SLU A1 (SLV sism.) 31	
32	SLU	Comb. SLU A1 (SLV sism.) 32	
33	SLU	Comb. SLU A1 (SLV sism.) 33	
34	SLU	Comb. SLU A1 (SLV sism.) 34	
35	SLU	Comb. SLU A1 (SLV sism.) 35	
36	SLU	Comb. SLU A1 (SLV sism.) 36	
37	SLU	Comb. SLU A1 (SLV sism.) 37	
38	SLU	Comb. SLU A1 (SLV sism.) 38	
39	SLU	Comb. SLU A1 (SLV sism.) 39	
40	SLU	Comb. SLU A1 (SLV sism.) 40	
41	SLE(sis)	Comb. SLE (SLD Danno sism.) 41	
42	SLE(sis)	Comb. SLE (SLD Danno sism.) 42	
43	SLE(sis)	Comb. SLE (SLD Danno sism.) 43	
44	SLE(sis)	Comb. SLE (SLD Danno sism.) 44	
45	SLE(sis)	Comb. SLE (SLD Danno sism.) 45	
46	SLE(sis)	Comb. SLE (SLD Danno sism.) 46	
47	SLE(sis)	Comb. SLE (SLD Danno sism.) 47	
48	SLE(sis)	Comb. SLE (SLD Danno sism.) 48	
49	SLE(sis)	Comb. SLE (SLD Danno sism.) 49	
50	SLE(sis)	Comb. SLE (SLD Danno sism.) 50	
51	SLE(sis)	Comb. SLE (SLD Danno sism.) 51	
52	SLE(sis)	Comb. SLE (SLD Danno sism.) 52	
53	SLE(sis)	Comb. SLE (SLD Danno sism.) 53	
54	SLE(sis)	Comb. SLE (SLD Danno sism.) 54	
55	SLE(sis)	Comb. SLE (SLD Danno sism.) 55	
56	SLE(sis)	Comb. SLE (SLD Danno sism.) 56	
57	SLE(sis)	Comb. SLE (SLD Danno sism.) 57	
58	SLE(sis)	Comb. SLE (SLD Danno sism.) 58	
59	SLE(sis)	Comb. SLE (SLD Danno sism.) 59	
60	SLE(sis)	Comb. SLE (SLD Danno sism.) 60	
61	SLE(sis)	Comb. SLE (SLD Danno sism.) 61	



Cmb	Tipo	Sigla Id	effetto P-delta
62	SLE(sis)	Comb. SLE (SLD Danno sism.) 62	
63	SLE(sis)	Comb. SLE (SLD Danno sism.) 63	
64	SLE(sis)	Comb. SLE (SLD Danno sism.) 64	
65	SLE(sis)	Comb. SLE (SLD Danno sism.) 65	
66	SLE(sis)	Comb. SLE (SLD Danno sism.) 66	
67	SLE(sis)	Comb. SLE (SLD Danno sism.) 67	
68	SLE(sis)	Comb. SLE (SLD Danno sism.) 68	
69	SLE(sis)	Comb. SLE (SLD Danno sism.) 69	
70	SLE(sis)	Comb. SLE (SLD Danno sism.) 70	
71	SLE(sis)	Comb. SLE (SLD Danno sism.) 71	
72	SLE(sis)	Comb. SLE (SLD Danno sism.) 72	
73	SLE(r)	Comb. SLE(rara) 73	
74	SLE(r)	Comb. SLE(rara) 74	
75	SLE(r)	Comb. SLE(rara) 75	
76	SLE(r)	Comb. SLE(rara) 76	
77	SLE(f)	Comb. SLE(freq.) 77	
78	SLE(f)	Comb. SLE(freq.) 78	
79	SLE(f)	Comb. SLE(freq.) 79	
80	SLE(f)	Comb. SLE(freq.) 80	
81	SLE(p)	Comb. SLE(perm.) 81	
82	SLE(p)	Comb. SLE(perm.) 82	

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
1	1.35	1.35	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.12	
2	1.35	1.35	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.12	
3	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.12	
4	1.00	1.00	0.80	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.12	
5	1.35	1.35	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	
6	1.35	1.35	1.50	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	
7	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	
8	1.00	1.00	0.80	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	
9	1.00	1.00	1.00	0.30	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	
10	1.00	1.00	1.00	0.30	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	
11	1.00	1.00	1.00	0.30	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	
12	1.00	1.00	1.00	0.30	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	
13	1.00	1.00	1.00	0.30	-1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	
14	1.00	1.00	1.00	0.30	-1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	
15	1.00	1.00	1.00	0.30	1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	
16	1.00	1.00	1.00	0.30	1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	
17	1.00	1.00	1.00	0.30	0.0	-1.00	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	
18	1.00	1.00	1.00	0.30	0.0	-1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	
19	1.00	1.00	1.00	0.30	0.0	1.00	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	
20	1.00	1.00	1.00	0.30	0.0	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	
21	1.00	1.00	1.00	0.30	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	
22	1.00	1.00	1.00	0.30	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	
23	1.00	1.00	1.00	0.30	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	
24	1.00	1.00	1.00	0.30	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	
25	1.00	1.00	1.00	0.30	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	
26	1.00	1.00	1.00	0.30	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	
27	1.00	1.00	1.00	0.30	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	
28	1.00	1.00	1.00	0.30	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	
29	1.00	1.00	1.00	0.30	0.0	-0.30	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	
30	1.00	1.00	1.00	0.30	0.0	-0.30	1.00	0.0	0.0	0.0	0.0	0.0	0.0	
31	1.00	1.00	1.00	0.30	0.0	0.30	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	
32	1.00	1.00	1.00	0.30	0.0	0.30	1.00	0.0	0.0	0.0	0.0	0.0	0.0	
33	1.00	1.00	1.00	0.30	-0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	
34	1.00	1.00	1.00	0.30	-0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	
35	1.00	1.00	1.00	0.30	0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	
36	1.00	1.00	1.00	0.30	0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	
37	1.00	1.00	1.00	0.30	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	
38	1.00	1.00	1.00	0.30	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	
39	1.00	1.00	1.00	0.30	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	
40	1.00	1.00	1.00	0.30	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	
41	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0	0.0	
42	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0	0.0	
43	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0	0.0	
44	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0	0.0	
45	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	-0.30	0.0	
46	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	0.30	0.0	
47	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	1.00	0.0	0.0	-0.30	0.0	
48	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.30	0.0	
49	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-1.00	-0.30	0.0	0.0	



[illegible]



# AZIONE SISMICA

## VALUTAZIONE DELL' AZIONE SISMICA

L'azione sismica sulle costruzioni è valutata a partire dalla "pericolosità sismica di base", in condizioni ideali di sito di riferimento rigido con superficie topografica orizzontale.

Allo stato attuale, la pericolosità sismica su reticolo di riferimento nell'intervallo di riferimento è fornita dai dati pubblicati sul sito <http://esse1.mi.ingv.it/>. Per punti non coincidenti con il reticolo di riferimento e periodi di ritorno non contemplati direttamente si opera come indicato nell' allegato alle NTC (rispettivamente media pesata e interpolazione).

L' azione sismica viene definita in relazione ad un periodo di riferimento  $V_r$  che si ricava, per ciascun tipo di costruzione, moltiplicandone la vita nominale per il coefficiente d'uso (vedi tabella Parametri della struttura). Fissato il periodo di riferimento  $V_r$  e la probabilità di superamento  $P_{ver}$  associata a ciascuno degli stati limite considerati, si ottiene il periodo di ritorno  $T_r$  e i relativi parametri di pericolosità sismica (vedi tabella successiva):

$a_g$ : accelerazione orizzontale massima del terreno;

$F_o$ : valore massimo del fattore di amplificazione dello spettro in accelerazione orizzontale;

$T^*c$ : periodo di inizio del tratto a velocità costante dello spettro in accelerazione orizzontale;

Parametri della struttura					
Classe d'uso	Vita $V_n$ [anni]	Coeff. Uso	Periodo $V_r$ [anni]	Tipo di suolo	Categoria topografica
IV	100.0	2.0	200.0	D	T1

Individuati su reticolo di riferimento i parametri di pericolosità sismica si valutano i parametri spettrali riportati in tabella:

$S$  è il coefficiente che tiene conto della categoria di sottosuolo e delle condizioni topografiche mediante la relazione seguente  $S = S_s \cdot S_t$  (3.2.3)

$F_o$  è il fattore che quantifica l'amplificazione spettrale massima, su sito di riferimento rigido orizzontale

$F_v$  è il fattore che quantifica l'amplificazione spettrale massima verticale, in termini di accelerazione orizzontale massima del terreno  $a_g$  su sito di riferimento rigido orizzontale

$T_b$  è il periodo corrispondente all'inizio del tratto dello spettro ad accelerazione costante.

$T_c$  è il periodo corrispondente all'inizio del tratto dello spettro a velocità costante.

$T_d$  è il periodo corrispondente all'inizio del tratto dello spettro a spostamento costante.

Lo spettro di risposta elastico in accelerazione della componente orizzontale del moto sismico,  $S_e$ , è definito dalle seguenti espressioni:

$$\begin{aligned} 0 \leq T < T_b & \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left[ \frac{T}{T_b} + \frac{1}{\eta \cdot F_o} \left( 1 - \frac{T}{T_b} \right) \right] \\ T_b \leq T < T_c & \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \\ T_c \leq T < T_d & \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left( \frac{T_c}{T} \right) \\ T_d \leq T & \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left( \frac{T_c \cdot T_d}{T^2} \right) \end{aligned}$$

Dove per sottosuolo di categoria **A** i coefficienti  $S_s$  e  $C_c$  valgono 1; mentre per le categorie di sottosuolo B, C, D, E i coefficienti  $S_s$  e  $C_c$  vengono calcolati mediante le espressioni riportate nella seguente Tabella



Categoria sottosuolo	$S_s$	$C_c$
A	1,00	1,00
B	$1,00 \leq 1,40 - 0,40 \cdot F_o \cdot \frac{a_g}{g} \leq 1,20$	$1,10 \cdot (T_c^*)^{-0,20}$
C	$1,00 \leq 1,70 - 0,60 \cdot F_o \cdot \frac{a_g}{g} \leq 1,50$	$1,05 \cdot (T_c^*)^{-0,33}$
D	$0,90 \leq 2,40 - 1,50 \cdot F_o \cdot \frac{a_g}{g} \leq 1,80$	$1,25 \cdot (T_c^*)^{-0,50}$
E	$1,00 \leq 2,00 - 1,10 \cdot F_o \cdot \frac{a_g}{g} \leq 1,60$	$1,15 \cdot (T_c^*)^{-0,40}$

Per tenere conto delle condizioni topografiche e in assenza di specifiche analisi di risposta sismica locale, si utilizzano i valori del coefficiente topografico  $S_T$  riportati nella seguente Tabella

Categoria topografica	Ubicazione dell'opera o dell'intervento	$S_T$
T1	-	1,0
T2	In corrispondenza della sommità del pendio	1,2
T3	In corrispondenza della cresta di un rilievo con pendenza media minore o uguale a 30°	1,2
T4	In corrispondenza della cresta di un rilievo con pendenza media maggiore di 30°	1,4

Lo spettro di risposta elastico in accelerazione della componente verticale del moto sismico,  $S_{ve}$ , è definito dalle espressioni:

$$0 \leq T < T_B \qquad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left[ \frac{T}{T_B} + \frac{1}{\eta \cdot F_o} \left( 1 - \frac{T}{T_B} \right) \right]$$

$$T_B \leq T < T_C \qquad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v$$

$$T_C \leq T < T_D \qquad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left( \frac{T_C}{T} \right)$$

$$T_D \leq T \qquad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left( \frac{T_C \cdot T_D}{T^2} \right)$$

I valori di  $S_s$ ,  $T_B$ ,  $T_C$  e  $T_D$ , sono riportati nella seguenteTabella

Categoria di sottosuolo	$S_s$	$T_B$	$T_C$	$T_D$
A, B, C, D, E	1,0	0,05 s	0,15 s	1,0 s

Id nodo	Longitudine	Latitudine	Distanza
			Km
Loc.	16.531	39.866	
37453	16.484	39.845	4.764
37454	16.549	39.843	3.049
37232	16.551	39.893	3.326
37231	16.486	39.895	5.003

SL	Pver	Tr	ag	Fo	T*c
		Anni	g		sec
SLO	81.0	120.4	0.077	2.479	0.368
SLD	63.0	201.2	0.095	2.466	0.405
SLV	10.0	1898.2	0.203	2.649	0.474
SLC	5.0	2475.0	0.220	2.681	0.479



SL	ag	S	Fo	Fv	Tb	Tc	Td
	g				sec	sec	sec
SLO	0.077	1.800	2.479	0.930	0.253	0.758	1.909
SLD	0.095	1.800	2.466	1.027	0.265	0.795	1.981
SLV	0.203	1.591	2.649	1.613	0.287	0.861	2.414
SLC	0.220	1.515	2.681	1.698	0.288	0.865	2.480



# 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	di	Angolo di ingresso dell'azione sismica orizzontale
Fattore di importanza	di	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
Amplificazione ND		Coefficiente di amplificazione q/qND delle azioni sismiche (solo per elementi progettati in campo non dissipativo)
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 SLD	riduz.	Fattore di riduzione dello spettro elastico per lo stato limite di danno
Periodo T1	proprio	Periodo proprio di vibrazione della struttura
Coefficiente Lambda		Coefficiente dipendente dal periodo proprio T1 e dal numero di piani della struttura
Ordinata Sd(T1)	spettro	Valore delle ordinate dello spettro di progetto per lo stato limite ultimo, componente orizzontale (verticale Svd)
Ordinata Se(T1)	spettro	Valore delle ordinate dello spettro elastico ridotta del fattore SLD per lo stato limite di danno, componente orizzontale (verticale Sve)
Ordinata S (Tb-Tc)	spettro	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

Nel caso di elementi progettati in campo non dissipativo vengono adottate le sollecitazioni calcolate con un fattore qND ricavato come da 7.3.2 in funzione del fattore di comportamento q utilizzato per la struttura:  $1 < qND = 2/3 \cdot q < 1.5$   
Il coefficiente di amplificazione delle azioni sismiche rispetto alle azioni calcolate con il fattore di comportamento globale viene indicato nelle relative tabelle.

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  $r/Ls$  (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  $r/Ls$  (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  $\epsilon_{dT}$  (dr) degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso anche in unità  $1000 \cdot \epsilon_{dT}/h$  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  $\epsilon_{dT}$ ,  $\epsilon_{dP}$  e  $\epsilon_{dD}$  degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso in unità  $1000 \cdot \epsilon_{dT}/h$  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  $dE$ , area ridotta e dimensione  $A2$ , 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 $A_r$ (per dispositivi circolari)
V	Azione verticale agente
$A_r$	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
$V_{cr}$	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)  $V < 0.5\ V_{cr}$



Calcolo dei fattori di comportamento secondo il D.M. 17/01/2018

La costruzione, esistente, è caratterizzata da non regolarità sia in pianta sia in altezza ed è progettata in classe di duttilità media (CD"B").  
I valori dei fattori nelle direzioni x e y sono stati impostati manualmente dal progettista.

Fattori di comportamento utilizzati

	Dissipativi	Verifiche fragili
q SLU x	1.500	1.000
q SLU y	1.500	1.000
q SLU z	1.500	

CDC	Tipo	Sigla Id	Note
5	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	
			verifica esistenti: fattore FC 1.200
			categoria suolo: D
			fattore di sito S = 1.591
			ordinata spettro (tratto Tb-Tc) = 0.572 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.053 sec.
			fattore q: 1.500
			fattore q (fragili): 1.000
			fattore per spost. mu d: 3.500
			classe di duttilità CD: B
			numero di modi considerati: 30
			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
m	daN	m	m	m	m	m	m			
5.32	1.505e+04	15.00	3.20	0.0	-0.32	15.00	3.20	3.000	0.0	0.0
5.06	2.932e+04	15.00	3.20	0.0	-0.32	15.00	3.20	1.848	0.0	0.0
4.28	2.700e+04	15.00	3.20	0.0	-0.32	15.00	3.20	1.358	0.0	0.0
3.01	2.316e+04	15.00	3.20	0.0	-0.32	15.00	3.20	1.218	0.0	0.0
1.25	1.082e+04	15.00	3.20	0.0	-0.32	15.00	3.20	1.164	0.0	0.0
Risulta	1.054e+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	5.598	0.179	0.478	0.43	4.10e-04	7.242e+04	68.7	2.37e-04	0.0	0.0	0.0
2	6.487	0.154	0.457	0.48	4.56e-04	1.96e-05	0.0	0.0	0.0	0.0	0.0
3	9.626	0.104	0.414	11.38	1.08e-02	6.11	5.80e-03	0.05	4.96e-05	0.0	0.0
4	9.772	0.102	0.412	3.63	3.45e-03	7.53e-05	0.0	0.27	2.56e-04	0.0	0.0
5	13.754	0.073	0.387	1840.44	1.7	0.32	3.08e-04	7.766e+04	73.7	0.0	0.0
6	14.066	0.071	0.385	28.14	2.67e-02	0.64	6.09e-04	1082.27	1.0	0.0	0.0
7	14.128	0.071	0.385	0.72	6.85e-04	1.090e+04	10.3	6.82	6.47e-03	0.0	0.0
8	17.964	0.056	0.372	85.02	8.07e-02	6710.25	6.4	3.19	3.03e-03	0.0	0.0
9	18.724	0.053	0.370	3.844e+04	36.5	6.77	6.42e-03	839.95	0.8	0.0	0.0
10	19.212	0.052	0.369	4057.32	3.9	0.43	4.12e-04	76.97	7.31e-02	0.0	0.0
11	19.263	0.052	0.369	1496.86	1.4	0.02	1.93e-05	27.06	2.57e-02	0.0	0.0
12	21.480	0.047	0.364	71.48	6.78e-02	0.92	8.73e-04	0.40	3.84e-04	0.0	0.0
13	25.004	0.040	0.358	0.17	1.65e-04	0.01	1.22e-05	7.11	6.74e-03	0.0	0.0
14	25.240	0.040	0.358	8.20e-03	7.79e-06	4971.90	4.7	0.03	3.10e-05	0.0	0.0
15	30.852	0.032	0.352	2.631e+04	25.0	0.27	2.53e-04	375.35	0.4	0.0	0.0
16	31.013	0.032	0.352	2.204e+04	20.9	0.28	2.63e-04	299.77	0.3	0.0	0.0
17	31.213	0.032	0.352	1077.34	1.0	0.06	6.05e-05	15.68	1.49e-02	0.0	0.0
18	32.790	0.030	0.350	496.53	0.5	1.80	1.71e-03	7893.83	7.5	0.0	0.0
19	33.413	0.030	0.350	2.75	2.61e-03	44.73	4.25e-02	9.58	9.09e-03	0.0	0.0
20	33.424	0.030	0.350	19.88	1.89e-02	619.26	0.6	321.72	0.3	0.0	0.0
21	33.829	0.030	0.349	4535.60	4.3	54.37	5.16e-02	95.22	9.04e-02	0.0	0.0
22	34.265	0.029	0.349	228.40	0.2	1236.26	1.2	208.88	0.2	0.0	0.0
23	45.899	0.022	0.343	839.40	0.8	0.16	1.51e-04	0.08	7.69e-05	0.0	0.0
24	46.627	0.021	0.342	303.07	0.3	0.95	9.03e-04	0.24	2.31e-04	0.0	0.0
25	54.134	0.018	0.340	142.54	0.1	7.00	6.65e-03	81.79	7.76e-02	0.0	0.0
26	55.275	0.018	0.339	172.56	0.2	5.59	5.31e-03	525.47	0.5	0.0	0.0
27	63.383	0.016	0.337	250.18	0.2	4.46	4.23e-03	773.39	0.7	0.0	0.0
28	65.100	0.015	0.337	133.50	0.1	0.22	2.12e-04	202.89	0.2	0.0	0.0
29	65.763	0.015	0.337	33.37	3.17e-02	0.04	4.00e-05	1.66	1.58e-03	0.0	0.0
30	66.756	0.015	0.337	67.03	6.36e-02	0.17	1.58e-04	158.56	0.2	0.0	0.0
Risulta				1.027e+05		9.700e+04		9.067e+04			



Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
In percentuale				97.46		92.07		86.06			

CDC	Tipo	Sigla Id	Note
6	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	
			verifica esistenti: fattore FC 1.200
			categoria suolo: D
			fattore di sito S = 1.591
			ordinata spettro (tratto Tb-Tc) = 0.572 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.053 sec.
			fattore q: 1.500
			fattore q (fragili): 1.000
			fattore per spost. mu d: 3.500
			classe di duttilità CD: B
			numero di modi considerati: 30
			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
m	daN	m	m	m	m	m	m			
5.32	1.505e+04	15.00	3.20	0.0	0.32	15.00	3.20	3.000	0.0	0.0
5.06	2.932e+04	15.00	3.20	0.0	0.32	15.00	3.20	1.848	0.0	0.0
4.28	2.700e+04	15.00	3.20	0.0	0.32	15.00	3.20	1.358	0.0	0.0
3.01	2.316e+04	15.00	3.20	0.0	0.32	15.00	3.20	1.218	0.0	0.0
1.25	1.082e+04	15.00	3.20	0.0	0.32	15.00	3.20	1.164	0.0	0.0
Risulta	1.054e+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	5.598	0.179	0.478	0.43	4.10e-04	7.242e+04	68.7	2.37e-04	0.0	0.0	0.0
2	6.487	0.154	0.457	0.48	4.56e-04	1.96e-05	0.0	0.0	0.0	0.0	0.0
3	9.626	0.104	0.414	11.38	1.08e-02	6.11	5.80e-03	0.05	4.96e-05	0.0	0.0
4	9.772	0.102	0.412	3.63	3.45e-03	7.53e-05	0.0	0.27	2.56e-04	0.0	0.0
5	13.754	0.073	0.387	1840.44	1.7	0.32	3.08e-04	7.766e+04	73.7	0.0	0.0
6	14.066	0.071	0.385	28.14	2.67e-02	0.64	6.09e-04	1082.27	1.0	0.0	0.0
7	14.128	0.071	0.385	0.72	6.85e-04	1.090e+04	10.3	6.82	6.47e-03	0.0	0.0
8	17.964	0.056	0.372	85.02	8.07e-02	6710.25	6.4	3.19	3.03e-03	0.0	0.0
9	18.724	0.053	0.370	3.844e+04	36.5	6.77	6.42e-03	839.95	0.8	0.0	0.0
10	19.212	0.052	0.369	4057.32	3.9	0.43	4.12e-04	76.97	7.31e-02	0.0	0.0
11	19.263	0.052	0.369	1496.86	1.4	0.02	1.93e-05	27.06	2.57e-02	0.0	0.0
12	21.480	0.047	0.364	71.48	6.78e-02	0.92	8.73e-04	0.40	3.84e-04	0.0	0.0
13	25.004	0.040	0.358	0.17	1.65e-04	0.01	1.22e-05	7.11	6.74e-03	0.0	0.0
14	25.240	0.040	0.358	8.20e-03	7.79e-06	4971.90	4.7	0.03	3.10e-05	0.0	0.0
15	30.852	0.032	0.352	2.631e+04	25.0	0.27	2.53e-04	375.35	0.4	0.0	0.0
16	31.013	0.032	0.352	2.204e+04	20.9	0.28	2.63e-04	299.77	0.3	0.0	0.0
17	31.213	0.032	0.352	1077.34	1.0	0.06	6.05e-05	15.68	1.49e-02	0.0	0.0
18	32.790	0.030	0.350	496.53	0.5	1.80	1.71e-03	7893.83	7.5	0.0	0.0
19	33.413	0.030	0.350	2.75	2.61e-03	44.73	4.25e-02	9.58	9.09e-03	0.0	0.0
20	33.424	0.030	0.350	19.88	1.89e-02	619.26	0.6	321.72	0.3	0.0	0.0
21	33.829	0.030	0.349	4535.60	4.3	54.37	5.16e-02	95.22	9.04e-02	0.0	0.0
22	34.265	0.029	0.349	228.40	0.2	1236.26	1.2	208.88	0.2	0.0	0.0
23	45.899	0.022	0.343	839.40	0.8	0.16	1.51e-04	0.08	7.69e-05	0.0	0.0
24	46.627	0.021	0.342	303.07	0.3	0.95	9.03e-04	0.24	2.31e-04	0.0	0.0
25	54.134	0.018	0.340	142.54	0.1	7.00	6.65e-03	81.79	7.76e-02	0.0	0.0
26	55.275	0.018	0.339	172.56	0.2	5.59	5.31e-03	525.47	0.5	0.0	0.0
27	63.383	0.016	0.337	250.18	0.2	4.46	4.23e-03	773.39	0.7	0.0	0.0
28	65.100	0.015	0.337	133.50	0.1	0.22	2.12e-04	202.89	0.2	0.0	0.0
29	65.763	0.015	0.337	33.37	3.17e-02	0.04	4.00e-05	1.66	1.58e-03	0.0	0.0
30	66.756	0.015	0.337	67.03	6.36e-02	0.17	1.58e-04	158.56	0.2	0.0	0.0
Risulta				1.027e+05		9.700e+04		9.067e+04			
In percentuale				97.46		92.07		86.06			



CDC	Tipo	Sigla Id	Note
7	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	
			verifica esistenti: fattore FC 1.200
			categoria suolo: D
			fattore di sito S = 1.591
			ordinata spettro (tratto Tb-Tc) = 0.572 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.179 sec.
			fattore q: 1.500
			fattore q (fragili): 1.000
			fattore per spost. mu d: 3.408
			classe di duttilità CD: B
			numero di modi considerati: 30
			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
m	daN	m	m	m	m	m	m			
5.32	1.505e+04	15.00	3.20	0.0	0.0	15.00	3.20	3.000	0.0	0.0
5.06	2.932e+04	15.00	3.20	0.39	0.0	15.00	3.20	1.848	0.0	0.0
4.28	2.700e+04	15.00	3.20	0.78	0.0	15.00	3.20	1.358	0.0	0.0
3.01	2.316e+04	15.00	3.20	1.15	0.0	15.00	3.20	1.218	0.0	0.0
1.25	1.082e+04	15.00	3.20	1.50	0.0	15.00	3.20	1.164	0.0	0.0
Risulta	1.054e+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	5.595	0.179	0.478	0.0	0.0	7.246e+04	68.8	0.0	0.0	0.0	0.0
2	6.471	0.155	0.457	0.37	3.49e-04	0.0	0.0	4.96e-04	0.0	0.0	0.0
3	9.646	0.104	0.413	0.0	0.0	23.87	2.27e-02	0.0	0.0	0.0	0.0
4	9.804	0.102	0.412	4.05	3.85e-03	0.0	0.0	0.35	3.28e-04	0.0	0.0
5	13.755	0.073	0.387	1820.17	1.7	0.0	0.0	7.785e+04	73.9	0.0	0.0
6	14.087	0.071	0.385	21.61	2.05e-02	0.0	0.0	923.27	0.9	0.0	0.0
7	14.137	0.071	0.385	0.0	0.0	1.084e+04	10.3	0.0	0.0	0.0	0.0
8	17.973	0.056	0.372	0.0	0.0	6772.03	6.4	0.0	0.0	0.0	0.0
9	18.857	0.053	0.370	4.332e+04	41.1	0.0	0.0	910.28	0.9	0.0	0.0
10	19.147	0.052	0.369	0.0	0.0	22.29	2.12e-02	0.0	0.0	0.0	0.0
11	19.275	0.052	0.369	466.86	0.4	0.0	0.0	7.16	6.80e-03	0.0	0.0
12	21.426	0.047	0.364	0.0	0.0	7.09	6.73e-03	0.0	0.0	0.0	0.0
13	25.119	0.040	0.358	0.07	6.89e-05	0.0	0.0	7.45	7.07e-03	0.0	0.0
14	25.353	0.039	0.358	0.0	0.0	4971.15	4.7	0.0	0.0	0.0	0.0
15	30.466	0.033	0.352	787.70	0.7	0.0	0.0	11.15	1.06e-02	0.0	0.0
16	30.711	0.033	0.352	0.0	0.0	163.75	0.2	0.0	0.0	0.0	0.0
17	31.116	0.032	0.352	5.389e+04	51.1	0.0	0.0	740.78	0.7	0.0	0.0
18	32.851	0.030	0.350	462.41	0.4	0.0	0.0	8477.88	8.0	0.0	0.0
19	33.467	0.030	0.350	0.0	0.0	0.27	2.53e-04	0.0	0.0	0.0	0.0
20	33.870	0.030	0.349	0.0	0.0	0.06	5.42e-05	0.0	0.0	0.0	0.0
21	34.170	0.029	0.349	9.10	8.64e-03	0.0	0.0	0.46	4.34e-04	0.0	0.0
22	34.562	0.029	0.349	0.0	0.0	1718.02	1.6	0.0	0.0	0.0	0.0
23	46.023	0.022	0.343	1111.59	1.1	0.0	0.0	0.21	1.99e-04	0.0	0.0
24	46.495	0.022	0.342	0.0	0.0	1.99	1.89e-03	0.0	0.0	0.0	0.0
25	54.510	0.018	0.340	0.0	0.0	13.05	1.24e-02	0.0	0.0	0.0	0.0
26	54.967	0.018	0.340	299.80	0.3	0.0	0.0	608.88	0.6	0.0	0.0
27	64.438	0.016	0.337	0.0	0.0	1.36	1.29e-03	0.0	0.0	0.0	0.0
28	64.666	0.015	0.337	449.35	0.4	0.0	0.0	732.06	0.7	0.0	0.0
29	65.814	0.015	0.337	0.0	0.0	0.62	5.85e-04	0.0	0.0	0.0	0.0
30	66.241	0.015	0.337	57.42	5.45e-02	0.0	0.0	263.12	0.2	0.0	0.0
Risulta				1.027e+05		9.700e+04		9.054e+04			
In percentuale				97.48		92.07		85.93			



CDC	Tipo	Sigla Id	Note
8	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	
			verifica esistenti: fattore FC 1.200
			categoria suolo: D
			fattore di sito S = 1.591
			ordinata spettro (tratto Tb-Tc) = 0.572 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.179 sec.
			fattore q: 1.500
			fattore q (fragili): 1.000
			fattore per spost. mu d: 3.405
			classe di duttilità CD: B
			numero di modi considerati: 30
			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
m	daN	m	m	m	m	m	m			
5.32	1.505e+04	15.00	3.20	0.0	0.0	15.00	3.20	3.000	0.0	0.0
5.06	2.932e+04	15.00	3.20	-0.39	0.0	15.00	3.20	1.848	0.0	0.0
4.28	2.700e+04	15.00	3.20	-0.78	0.0	15.00	3.20	1.358	0.0	0.0
3.01	2.316e+04	15.00	3.20	-1.15	0.0	15.00	3.20	1.218	0.0	0.0
1.25	1.082e+04	15.00	3.20	-1.50	0.0	15.00	3.20	1.164	0.0	0.0
Risulta	1.054e+05									

Modo	Frequenza	Periodo	Acc. Spetttrale	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	5.586	0.179	0.479	0.0	0.0	7.248e+04	68.8	0.0	0.0	0.0	0.0
2	6.474	0.154	0.457	0.59	5.63e-04	0.0	0.0	5.34e-04	0.0	0.0	0.0
3	9.658	0.104	0.413	0.0	0.0	2.35e-03	2.23e-06	0.0	0.0	0.0	0.0
4	9.805	0.102	0.412	3.27	3.10e-03	0.0	0.0	0.20	1.93e-04	0.0	0.0
5	13.755	0.073	0.387	1814.33	1.7	0.0	0.0	7.777e+04	73.8	0.0	0.0
6	14.083	0.071	0.385	27.60	2.62e-02	0.0	0.0	1002.29	1.0	0.0	0.0
7	14.136	0.071	0.385	0.0	0.0	1.084e+04	10.3	0.0	0.0	0.0	0.0
8	17.976	0.056	0.372	0.0	0.0	6790.19	6.4	0.0	0.0	0.0	0.0
9	18.856	0.053	0.370	4.328e+04	41.1	0.0	0.0	907.34	0.9	0.0	0.0
10	19.141	0.052	0.369	0.0	0.0	5.32	5.05e-03	0.0	0.0	0.0	0.0
11	19.267	0.052	0.369	499.23	0.5	0.0	0.0	10.00	9.49e-03	0.0	0.0
12	21.428	0.047	0.364	0.0	0.0	0.43	4.05e-04	0.0	0.0	0.0	0.0
13	25.117	0.040	0.358	0.36	3.44e-04	0.0	0.0	7.38	7.00e-03	0.0	0.0
14	25.360	0.039	0.358	0.0	0.0	4981.09	4.7	0.0	0.0	0.0	0.0
15	30.429	0.033	0.352	738.73	0.7	0.0	0.0	13.35	1.27e-02	0.0	0.0
16	30.679	0.033	0.352	0.0	0.0	133.03	0.1	0.0	0.0	0.0	0.0
17	31.116	0.032	0.352	5.394e+04	51.2	0.0	0.0	737.47	0.7	0.0	0.0
18	32.852	0.030	0.350	458.20	0.4	0.0	0.0	8479.53	8.0	0.0	0.0
19	33.467	0.030	0.350	0.0	0.0	1.50	1.42e-03	0.0	0.0	0.0	0.0
20	33.880	0.030	0.349	0.0	0.0	1.16	1.10e-03	0.0	0.0	0.0	0.0
21	34.224	0.029	0.349	7.39	7.02e-03	0.0	0.0	8.19e-03	7.77e-06	0.0	0.0
22	34.600	0.029	0.349	0.0	0.0	1742.25	1.7	0.0	0.0	0.0	0.0
23	46.023	0.022	0.343	1111.78	1.1	0.0	0.0	0.20	1.93e-04	0.0	0.0
24	46.493	0.022	0.342	0.0	0.0	0.47	4.49e-04	0.0	0.0	0.0	0.0
25	54.509	0.018	0.340	0.0	0.0	12.59	1.20e-02	0.0	0.0	0.0	0.0
26	54.967	0.018	0.340	299.84	0.3	0.0	0.0	608.92	0.6	0.0	0.0
27	64.434	0.016	0.337	0.0	0.0	2.14	2.04e-03	0.0	0.0	0.0	0.0
28	64.666	0.015	0.337	449.05	0.4	0.0	0.0	731.12	0.7	0.0	0.0
29	65.817	0.015	0.337	0.0	0.0	0.49	4.67e-04	0.0	0.0	0.0	0.0
30	66.241	0.015	0.337	57.84	5.49e-02	0.0	0.0	264.91	0.3	0.0	0.0
Risulta				1.027e+05		9.699e+04		9.054e+04			
In percentuale				97.48		92.06		85.94			

CDC	Tipo	Sigla Id	Note
9	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	
			verifica esistenti: fattore FC 1.200
			categoria suolo: D



CDC	Tipo	Sigla Id	Note
			fattore di sito S = 1.800
			ordinata spettro (tratto Tb-Tc) = 0.423 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.053 sec.
			numero di modi considerati: 30
			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
m	daN	m	m	m	m	m	m			
5.32	1.505e+04	15.00	3.20	0.0	-0.32	15.00	3.20	3.000	0.0	0.0
5.06	2.932e+04	15.00	3.20	0.0	-0.32	15.00	3.20	1.848	0.0	0.0
4.28	2.700e+04	15.00	3.20	0.0	-0.32	15.00	3.20	1.358	0.0	0.0
3.01	2.316e+04	15.00	3.20	0.0	-0.32	15.00	3.20	1.218	0.0	0.0
1.25	1.082e+04	15.00	3.20	0.0	-0.32	15.00	3.20	1.164	0.0	0.0
Risulta	1.054e+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	5.598	0.179	0.341	0.43	4.10e-04	7.242e+04	68.7	2.37e-04	0.0	0.0	0.0
2	6.487	0.154	0.317	0.48	4.56e-04	1.96e-05	0.0	0.0	0.0	0.0	0.0
3	9.626	0.104	0.270	11.38	1.08e-02	6.11	5.80e-03	0.05	4.96e-05	0.0	0.0
4	9.772	0.102	0.268	3.63	3.45e-03	7.53e-05	0.0	0.27	2.56e-04	0.0	0.0
5	13.754	0.073	0.240	1840.44	1.7	0.32	3.08e-04	7.766e+04	73.7	0.0	0.0
6	14.066	0.071	0.239	28.14	2.67e-02	0.64	6.09e-04	1082.27	1.0	0.0	0.0
7	14.128	0.071	0.238	0.72	6.85e-04	1.090e+04	10.3	6.82	6.47e-03	0.0	0.0
8	17.964	0.056	0.224	85.02	8.07e-02	6710.25	6.4	3.19	3.03e-03	0.0	0.0
9	18.724	0.053	0.222	3.844e+04	36.5	6.77	6.42e-03	839.95	0.8	0.0	0.0
10	19.212	0.052	0.221	4057.32	3.9	0.43	4.12e-04	76.97	7.31e-02	0.0	0.0
11	19.263	0.052	0.221	1496.86	1.4	0.02	1.93e-05	27.06	2.57e-02	0.0	0.0
12	21.480	0.047	0.215	71.48	6.78e-02	0.92	8.73e-04	0.40	3.84e-04	0.0	0.0
13	25.004	0.040	0.209	0.17	1.65e-04	0.01	1.22e-05	7.11	6.74e-03	0.0	0.0
14	25.240	0.040	0.209	8.20e-03	7.79e-06	4971.90	4.7	0.03	3.10e-05	0.0	0.0
15	30.852	0.032	0.202	2.631e+04	25.0	0.27	2.53e-04	375.35	0.4	0.0	0.0
16	31.013	0.032	0.202	2.204e+04	20.9	0.28	2.63e-04	299.77	0.3	0.0	0.0
17	31.213	0.032	0.202	1077.34	1.0	0.06	6.05e-05	15.68	1.49e-02	0.0	0.0
18	32.790	0.030	0.200	496.53	0.5	1.80	1.71e-03	7893.83	7.5	0.0	0.0
19	33.413	0.030	0.200	2.75	2.61e-03	44.73	4.25e-02	9.58	9.09e-03	0.0	0.0
20	33.424	0.030	0.200	19.88	1.89e-02	619.26	0.6	321.72	0.3	0.0	0.0
21	33.829	0.030	0.199	4535.60	4.3	54.37	5.16e-02	95.22	9.04e-02	0.0	0.0
22	34.265	0.029	0.199	228.40	0.2	1236.26	1.2	208.88	0.2	0.0	0.0
23	45.899	0.022	0.192	839.40	0.8	0.16	1.51e-04	0.08	7.69e-05	0.0	0.0
24	46.627	0.021	0.192	303.07	0.3	0.95	9.03e-04	0.24	2.31e-04	0.0	0.0
25	54.134	0.018	0.189	142.54	0.1	7.00	6.65e-03	81.79	7.76e-02	0.0	0.0
26	55.275	0.018	0.189	172.56	0.2	5.59	5.31e-03	525.47	0.5	0.0	0.0
27	63.383	0.016	0.186	250.18	0.2	4.46	4.23e-03	773.39	0.7	0.0	0.0
28	65.100	0.015	0.186	133.50	0.1	0.22	2.12e-04	202.89	0.2	0.0	0.0
29	65.763	0.015	0.186	33.37	3.17e-02	0.04	4.00e-05	1.66	1.58e-03	0.0	0.0
30	66.756	0.015	0.186	67.03	6.36e-02	0.17	1.58e-04	158.56	0.2	0.0	0.0
Risulta				1.027e+05		9.700e+04		9.067e+04			
In percentuale				97.46		92.07		86.06			

CDC	Tipo	Sigla Id	Note
10	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	
			verifica esistenti: fattore FC 1.200
			categoria suolo: D
			fattore di sito S = 1.800
			ordinata spettro (tratto Tb-Tc) = 0.423 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.053 sec.
			numero di modi considerati: 30
			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
m	daN	m	m	m	m	m	m			
5.32	1.505e+04	15.00	3.20	0.0	0.32	15.00	3.20	3.000	0.0	0.0
5.06	2.932e+04	15.00	3.20	0.0	0.32	15.00	3.20	1.848	0.0	0.0
4.28	2.700e+04	15.00	3.20	0.0	0.32	15.00	3.20	1.358	0.0	0.0
3.01	2.316e+04	15.00	3.20	0.0	0.32	15.00	3.20	1.218	0.0	0.0
1.25	1.082e+04	15.00	3.20	0.0	0.32	15.00	3.20	1.164	0.0	0.0
Risulta	1.054e+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	5.598	0.179	0.341	0.43	4.10e-04	7.242e+04	68.7	2.37e-04	0.0	0.0	0.0
2	6.487	0.154	0.317	0.48	4.56e-04	1.96e-05	0.0	0.0	0.0	0.0	0.0
3	9.626	0.104	0.270	11.38	1.08e-02	6.11	5.80e-03	0.05	4.96e-05	0.0	0.0
4	9.772	0.102	0.268	3.63	3.45e-03	7.53e-05	0.0	0.27	2.56e-04	0.0	0.0
5	13.754	0.073	0.240	1840.44	1.7	0.32	3.08e-04	7.766e+04	73.7	0.0	0.0
6	14.066	0.071	0.239	28.14	2.67e-02	0.64	6.09e-04	1082.27	1.0	0.0	0.0
7	14.128	0.071	0.238	0.72	6.85e-04	1.090e+04	10.3	6.82	6.47e-03	0.0	0.0
8	17.964	0.056	0.224	85.02	8.07e-02	6710.25	6.4	3.19	3.03e-03	0.0	0.0
9	18.724	0.053	0.222	3.844e+04	36.5	6.77	6.42e-03	839.95	0.8	0.0	0.0
10	19.212	0.052	0.221	4057.32	3.9	0.43	4.12e-04	76.97	7.31e-02	0.0	0.0
11	19.263	0.052	0.221	1496.86	1.4	0.02	1.93e-05	27.06	2.57e-02	0.0	0.0
12	21.480	0.047	0.215	71.48	6.78e-02	0.92	8.73e-04	0.40	3.84e-04	0.0	0.0
13	25.004	0.040	0.209	0.17	1.65e-04	0.01	1.22e-05	7.11	6.74e-03	0.0	0.0
14	25.240	0.040	0.209	8.20e-03	7.79e-06	4971.90	4.7	0.03	3.10e-05	0.0	0.0
15	30.852	0.032	0.202	2.631e+04	25.0	0.27	2.53e-04	375.35	0.4	0.0	0.0
16	31.013	0.032	0.202	2.204e+04	20.9	0.28	2.63e-04	299.77	0.3	0.0	0.0
17	31.213	0.032	0.202	1077.34	1.0	0.06	6.05e-05	15.68	1.49e-02	0.0	0.0
18	32.790	0.030	0.200	496.53	0.5	1.80	1.71e-03	7893.83	7.5	0.0	0.0
19	33.413	0.030	0.200	2.75	2.61e-03	44.73	4.25e-02	9.58	9.09e-03	0.0	0.0
20	33.424	0.030	0.200	19.88	1.89e-02	619.26	0.6	321.72	0.3	0.0	0.0
21	33.829	0.030	0.199	4535.60	4.3	54.37	5.16e-02	95.22	9.04e-02	0.0	0.0
22	34.265	0.029	0.199	228.40	0.2	1236.26	1.2	208.88	0.2	0.0	0.0
23	45.899	0.022	0.192	839.40	0.8	0.16	1.51e-04	0.08	7.69e-05	0.0	0.0
24	46.627	0.021	0.192	303.07	0.3	0.95	9.03e-04	0.24	2.31e-04	0.0	0.0
25	54.134	0.018	0.189	142.54	0.1	7.00	6.65e-03	81.79	7.76e-02	0.0	0.0
26	55.275	0.018	0.189	172.56	0.2	5.59	5.31e-03	525.47	0.5	0.0	0.0
27	63.383	0.016	0.186	250.18	0.2	4.46	4.23e-03	773.39	0.7	0.0	0.0
28	65.100	0.015	0.186	133.50	0.1	0.22	2.12e-04	202.89	0.2	0.0	0.0
29	65.763	0.015	0.186	33.37	3.17e-02	0.04	4.00e-05	1.66	1.58e-03	0.0	0.0
30	66.756	0.015	0.186	67.03	6.36e-02	0.17	1.58e-04	158.56	0.2	0.0	0.0
Risulta				1.027e+05		9.700e+04		9.067e+04			
In percentuale				97.46		92.07		86.06			

CDC	Tipo	Sigla Id	Note
11	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	
			verifica esistenti: fattore FC 1.200
			categoria suolo: D
			fattore di sito S = 1.800
			ordinata spettro (tratto Tb-Tc) = 0.423 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.179 sec.
			numero di modi considerati: 30
			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
m	daN	m	m	m	m	m	m			
5.32	1.505e+04	15.00	3.20	0.0	0.0	15.00	3.20	3.000	0.0	0.0
5.06	2.932e+04	15.00	3.20	0.39	0.0	15.00	3.20	1.848	0.0	0.0







Modo	Frequenza	Periodo	Acc. Spetttrale	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	5.586	0.179	0.341	0.0	0.0	7.248e+04	68.8	0.0	0.0	0.0	0.0
2	6.474	0.154	0.318	0.59	5.63e-04	0.0	0.0	5.34e-04	0.0	0.0	0.0
3	9.658	0.104	0.270	0.0	0.0	2.35e-03	2.23e-06	0.0	0.0	0.0	0.0
4	9.805	0.102	0.268	3.27	3.10e-03	0.0	0.0	0.20	1.93e-04	0.0	0.0
5	13.755	0.073	0.240	1814.33	1.7	0.0	0.0	7.777e+04	73.8	0.0	0.0
6	14.083	0.071	0.239	27.60	2.62e-02	0.0	0.0	1002.29	1.0	0.0	0.0
7	14.136	0.071	0.238	0.0	0.0	1.084e+04	10.3	0.0	0.0	0.0	0.0
8	17.976	0.056	0.224	0.0	0.0	6790.19	6.4	0.0	0.0	0.0	0.0
9	18.856	0.053	0.222	4.328e+04	41.1	0.0	0.0	907.34	0.9	0.0	0.0
10	19.141	0.052	0.221	0.0	0.0	5.32	5.05e-03	0.0	0.0	0.0	0.0
11	19.267	0.052	0.221	499.23	0.5	0.0	0.0	10.00	9.49e-03	0.0	0.0
12	21.428	0.047	0.216	0.0	0.0	0.43	4.05e-04	0.0	0.0	0.0	0.0
13	25.117	0.040	0.209	0.36	3.44e-04	0.0	0.0	7.38	7.00e-03	0.0	0.0
14	25.360	0.039	0.209	0.0	0.0	4981.09	4.7	0.0	0.0	0.0	0.0
15	30.429	0.033	0.203	738.73	0.7	0.0	0.0	13.35	1.27e-02	0.0	0.0
16	30.679	0.033	0.202	0.0	0.0	133.03	0.1	0.0	0.0	0.0	0.0
17	31.116	0.032	0.202	5.394e+04	51.2	0.0	0.0	737.47	0.7	0.0	0.0
18	32.852	0.030	0.200	458.20	0.4	0.0	0.0	8479.53	8.0	0.0	0.0
19	33.467	0.030	0.200	0.0	0.0	1.50	1.42e-03	0.0	0.0	0.0	0.0
20	33.880	0.030	0.199	0.0	0.0	1.16	1.10e-03	0.0	0.0	0.0	0.0
21	34.224	0.029	0.199	7.39	7.02e-03	0.0	0.0	8.19e-03	7.77e-06	0.0	0.0
22	34.600	0.029	0.199	0.0	0.0	1742.25	1.7	0.0	0.0	0.0	0.0
23	46.023	0.022	0.192	1111.78	1.1	0.0	0.0	0.20	1.93e-04	0.0	0.0
24	46.493	0.022	0.192	0.0	0.0	0.47	4.49e-04	0.0	0.0	0.0	0.0
25	54.509	0.018	0.189	0.0	0.0	12.59	1.20e-02	0.0	0.0	0.0	0.0
26	54.967	0.018	0.189	299.84	0.3	0.0	0.0	608.92	0.6	0.0	0.0
27	64.434	0.016	0.186	0.0	0.0	2.14	2.04e-03	0.0	0.0	0.0	0.0
28	64.666	0.015	0.186	449.05	0.4	0.0	0.0	731.12	0.7	0.0	0.0
29	65.817	0.015	0.186	0.0	0.0	0.49	4.67e-04	0.0	0.0	0.0	0.0
30	66.241	0.015	0.186	57.84	5.49e-02	0.0	0.0	264.91	0.3	0.0	0.0
Risulta				1.027e+05		9.699e+04		9.054e+04			
In percentuale				97.48		92.06		85.94			

Cmb		Pilas. 1000 etaT/h		etaT	inter. h	Pilas. 1000 etaT/h		etaT	inter. h	Pilas.	1000	
etaT/hetaT		inter. h										
				cm	cm			cm	cm		cm	
cm	41	1	0.14	0.02	125.0	2	0.18	0.02	125.0	3	0.22	0.07 30
		4	0.33	0.14	428.4	5	0.37	0.19	506.0	6	0.34	0.17 50
		7	0.28	0.12	428.4	8	0.22	0.07	300.7	9	0.15	0.02 12
	5.0	10	0.17	0.02	125.0	11	0.15	0.05	300.7	12	0.18	0.08 42
		13	0.12	0.06	506.0	14	0.12	0.06	506.0	15	0.15	0.07 42
		16	0.16	0.05	300.7	17	0.07	0.04	532.0	18	0.37	0.20 53
0.7	42	1	0.15	0.02	125.0	2	0.19	0.02	125.0	3	0.14	0.04 30
		4	0.16	0.07	428.4	5	0.10	0.05	506.0	6	0.09	0.05 50
		7	0.12	0.05	428.4	8	0.15	0.05	300.7	9	0.15	0.02 12
	5.0	10	0.17	0.02	125.0	11	0.24	0.07	300.7	12	0.36	0.15 42
		13	0.42	0.21	506.0	14	0.40	0.20	506.0	15	0.33	0.14 42
		16	0.24	0.07	300.7	17	0.43	0.23	532.0	18	9.70e-03	5.16e-
03532.0	43	1	0.19	0.02	125.0	2	0.13	0.02	125.0	3	0.24	0.07 30
		4	0.34	0.14	428.4	5	0.37	0.19	506.0	6	0.35	0.18 50
		7	0.30	0.13	428.4	8	0.21	0.06	300.7	9	0.18	0.02 12
		10	0.14	0.02	125.0	11	0.18	0.05	300.7	12	0.20	0.09 42
		13	0.14	0.07	506.0	14	0.12	0.06	506.0	15	0.17	0.07 42
	8.4											



2.0 0.7 6.0 5.0 8.4 8.4	44	16	0.15	0.04	300.7	17	0.07	0.04	532.0	18	0.37	0.20	53
		1	0.19	0.02	125.0	2	0.13	0.02	125.0	3	0.17	0.05	30
		4	0.19	0.08	428.4	5	0.12	0.06	506.0	6	0.08	0.04	50
		7	0.14	0.06	428.4	8	0.13	0.04	300.7	9	0.17	0.02	12
		10	0.14	0.02	125.0	11	0.26	0.08	300.7	12	0.37	0.16	42
2.0 0.7 6.0 5.0 8.4 8.4	45	13	0.42	0.21	506.0	14	0.40	0.20	506.0	15	0.34	0.15	42
		16	0.23	0.07	300.7	17	0.43	0.23	532.0	18	0.02	0.01	53
		1	0.14	0.02	125.0	2	0.18	0.02	125.0	3	0.22	0.07	30
		4	0.31	0.13	428.4	5	0.36	0.18	506.0	6	0.35	0.18	50
		7	0.30	0.13	428.4	8	0.22	0.07	300.7	9	0.15	0.02	12
2.0 0.7 6.0 5.0 8.4 8.4	46	10	0.17	0.02	125.0	11	0.16	0.05	300.7	12	0.19	0.08	42
		13	0.13	0.07	506.0	14	0.11	0.06	506.0	15	0.14	0.06	42
		16	0.16	0.05	300.7	17	0.07	0.04	532.0	18	0.37	0.20	53
		1	0.15	0.02	125.0	2	0.19	0.02	125.0	3	0.15	0.04	30
		4	0.17	0.07	428.4	5	0.10	0.05	506.0	6	0.09	0.04	50
2.0 0.7 6.0 5.0 8.4 8.4	47	7	0.11	0.05	428.4	8	0.15	0.04	300.7	9	0.15	0.02	12
		10	0.17	0.02	125.0	11	0.23	0.07	300.7	12	0.35	0.15	42
		13	0.40	0.20	506.0	14	0.41	0.21	506.0	15	0.34	0.15	42
		16	0.25	0.07	300.7	17	0.43	0.23	532.0	18	9.61e-03	5.11e-	
		1	0.19	0.02	125.0	2	0.13	0.02	125.0	3	0.23	0.07	30
2.0 0.7 6.0 5.0 8.4 8.4	48	4	0.32	0.14	428.4	5	0.36	0.18	506.0	6	0.36	0.18	50
		7	0.32	0.14	428.4	8	0.22	0.07	300.7	9	0.18	0.02	12
		10	0.14	0.02	125.0	11	0.19	0.06	300.7	12	0.21	0.09	42
		13	0.15	0.08	506.0	14	0.11	0.05	506.0	15	0.16	0.07	42
		16	0.14	0.04	300.7	17	0.07	0.04	532.0	18	0.37	0.20	53
2.0 0.7 6.0 5.0 8.4 8.4	49	1	0.19	0.02	125.0	2	0.13	0.02	125.0	3	0.18	0.05	30
		4	0.20	0.08	428.4	5	0.12	0.06	506.0	6	0.07	0.04	50
		7	0.14	0.06	428.4	8	0.12	0.04	300.7	9	0.18	0.02	12
		10	0.13	0.02	125.0	11	0.25	0.08	300.7	12	0.36	0.15	42
		13	0.41	0.21	506.0	14	0.41	0.21	506.0	15	0.35	0.15	42
2.0 0.7 6.0 5.0 8.4 8.4	50	16	0.24	0.07	300.7	17	0.43	0.23	532.0	18	0.02	0.01	53
		1	0.15	0.02	125.0	2	0.18	0.02	125.0	3	0.22	0.07	30
		4	0.32	0.14	428.4	5	0.36	0.18	506.0	6	0.35	0.18	50
		7	0.29	0.12	428.4	8	0.22	0.07	300.7	9	0.15	0.02	12
		10	0.18	0.02	125.0	11	0.16	0.05	300.7	12	0.18	0.08	42
2.0 0.7 6.0 5.0		13	0.12	0.06	506.0	14	0.12	0.06	506.0	15	0.15	0.06	42
		16	0.16	0.05	300.7	17	0.07	0.04	532.0	18	0.37	0.20	53
		1	0.16	0.02	125.0	2	0.18	0.02	125.0	3	0.14	0.04	30
		4	0.16	0.07	428.4	5	0.10	0.05	506.0	6	0.09	0.05	50
		7	0.12	0.05	428.4	8	0.15	0.04	300.7	9	0.14	0.02	12







6.0 5.0 8.4 8.4 2.0	58	4	0.58	0.25	428.4	5	0.74	0.37	506.0	6	0.69	0.35 50
		7	0.52	0.22	428.4	8	0.32	0.09	300.7	9	0.17	0.02 12
		10	0.17	0.02	125.0	11	0.14	0.04	300.7	12	0.23	0.10 42
		13	0.31	0.16	506.0	14	0.27	0.14	506.0	15	0.18	0.08 42
		16	0.11	0.03	300.7	17	0.33	0.18	532.0	18	0.78	0.41 53
0.7	59	1	0.18	0.02	125.0	2	0.17	0.02	125.0	3	0.15	0.05 30
6.0		4	0.26	0.11	428.4	5	0.36	0.18	506.0	6	0.33	0.17 50
5.0		7	0.21	0.09	428.4	8	0.12	0.04	300.7	9	0.15	0.02 12
8.4		10	0.16	0.02	125.0	11	0.37	0.11	300.7	12	0.61	0.26 42
8.4		13	0.79	0.40	506.0	14	0.75	0.38	506.0	15	0.56	0.24 42
2.0	60	16	0.34	0.10	300.7	17	0.84	0.45	532.0	18	0.39	0.21 53
0.7		1	0.16	0.02	125.0	2	0.15	0.02	125.0	3	0.35	0.10 30
6.0		4	0.58	0.25	428.4	5	0.74	0.37	506.0	6	0.69	0.35 50
5.0		7	0.52	0.22	428.4	8	0.32	0.09	300.7	9	0.18	0.02 12
8.4		10	0.16	0.02	125.0	11	0.15	0.05	300.7	12	0.24	0.10 42
8.4	61	13	0.31	0.16	506.0	14	0.27	0.14	506.0	15	0.19	0.08 42
2.0		16	0.10	0.03	300.7	17	0.33	0.18	532.0	18	0.78	0.41 53
0.7		1	0.19	0.02	125.0	2	0.16	0.02	125.0	3	0.16	0.05 30
6.0		4	0.27	0.12	428.4	5	0.37	0.19	506.0	6	0.32	0.16 50
5.0		7	0.22	0.09	428.4	8	0.11	0.03	300.7	9	0.16	0.02 12
8.4	62	10	0.15	0.02	125.0	11	0.37	0.11	300.7	12	0.62	0.26 42
8.4		13	0.79	0.40	506.0	14	0.75	0.38	506.0	15	0.56	0.24 42
2.0		16	0.34	0.10	300.7	17	0.84	0.45	532.0	18	0.39	0.21 53
0.7		1	0.15	0.02	125.0	2	0.16	0.02	125.0	3	0.34	0.10 30
6.0		4	0.57	0.25	428.4	5	0.74	0.37	506.0	6	0.69	0.35 50
5.0	63	7	0.52	0.22	428.4	8	0.32	0.09	300.7	9	0.17	0.02 12
8.4		10	0.17	0.02	125.0	11	0.14	0.04	300.7	12	0.23	0.10 42
8.4		13	0.31	0.16	506.0	14	0.28	0.14	506.0	15	0.18	0.08 42
2.0		16	0.12	0.03	300.7	17	0.33	0.18	532.0	18	0.78	0.41 53
0.7		1	0.18	0.02	125.0	2	0.17	0.02	125.0	3	0.15	0.05 30
6.0	63	4	0.27	0.11	428.4	5	0.36	0.18	506.0	6	0.33	0.17 50
5.0		7	0.21	0.09	428.4	8	0.12	0.04	300.7	9	0.15	0.02 12
8.4		10	0.16	0.02	125.0	11	0.37	0.11	300.7	12	0.62	0.26 42
8.4		13	0.79	0.40	506.0	14	0.75	0.38	506.0	15	0.56	0.24 42
2.0		16	0.34	0.10	300.7	17	0.84	0.45	532.0	18	0.39	0.21 53
0.7	63	1	0.16	0.02	125.0	2	0.15	0.02	125.0	3	0.35	0.10 30
6.0		4	0.58	0.25	428.4	5	0.74	0.37	506.0	6	0.69	0.35 50
5.0		7	0.52	0.22	428.4	8	0.31	0.09	300.7	9	0.18	0.02 12
8.4		10	0.15	0.02	125.0	11	0.15	0.05	300.7	12	0.24	0.10 42
8.4		13	0.31	0.16	506.0	14	0.27	0.14	506.0	15	0.19	0.08 42







		1000 etaT/h										
		0.16		0.02		0.34		0.10		0.57		
71	8.4	10	0.16	0.02	125.0	11	0.34	0.10	300.7	12	0.57	0.24 42
	8.4	13	0.75	0.38	506.0	14	0.79	0.40	506.0	15	0.61	0.26 42
	2.0	16	0.36	0.11	300.7	17	0.84	0.45	532.0	18	0.39	0.21 53
	0.7	1	0.17	0.02	125.0	2	0.15	0.02	125.0	3	0.32	0.10 30
	6.0	4	0.53	0.23	428.4	5	0.70	0.35	506.0	6	0.74	0.37 50
	5.0	7	0.57	0.24	428.4	8	0.34	0.10	300.7	9	0.18	0.02 12
	8.4	10	0.16	0.02	125.0	11	0.15	0.04	300.7	12	0.21	0.09 42
	8.4	13	0.28	0.14	506.0	14	0.31	0.16	506.0	15	0.22	0.10 42
	2.0	16	0.11	0.03	300.7	17	0.33	0.18	532.0	18	0.78	0.42 53
	0.7	1	0.19	0.02	125.0	2	0.16	0.02	125.0	3	0.15	0.05 30
	6.0	4	0.24	0.10	428.4	5	0.32	0.16	506.0	6	0.37	0.19 50
	5.0	7	0.26	0.11	428.4	8	0.12	0.04	300.7	9	0.17	0.02 12
	8.4	10	0.14	0.02	125.0	11	0.34	0.10	300.7	12	0.57	0.24 42
	8.4	13	0.75	0.38	506.0	14	0.79	0.40	506.0	15	0.61	0.26 42
	2.0	16	0.37	0.11	300.7	17	0.84	0.45	532.0	18	0.39	0.21 53
	Cmb	1000 etaT/h	0.84									



# 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.

Z	Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione
			cm	cm	cm			
	1	1	-0.13	0.0	0.0	-1.40e-05	4.16e-05	4.50e-05
	1	2	-0.21	0.0	0.0	-3.06e-05	1.74e-04	8.76e-05
	1	9	-0.08	0.0	0.0	-1.65e-05	1.68e-04	5.37e-05
	1	36	-0.11	0.0	0.0	4.58e-06	1.39e-04	-2.57e-05
	1	41	-0.09	0.0	0.0	-1.55e-05	1.55e-04	4.94e-05
	1	68	-0.10	0.0	0.0	0.0	1.39e-04	-7.30e-06
	1	73	-0.09	0.0	0.0	-1.00e-05	3.72e-05	3.24e-05
	1	74	-0.15	0.0	0.0	-2.11e-05	1.25e-04	6.08e-05
	1	77	-0.08	0.0	0.0	-9.75e-06	8.97e-05	3.03e-05
	1	80	-0.11	0.0	0.0	-1.34e-05	6.37e-05	4.10e-05
	1	81	-0.08	0.0	0.0	-9.75e-06	8.97e-05	3.03e-05
	1	82	-0.10	0.0	0.0	-1.31e-05	1.16e-04	3.88e-05
	2	1	0.0	0.0	0.0	-8.91e-05	-6.12e-04	-1.65e-04
	2	9	0.0	0.0	0.0	-1.94e-05	-1.22e-04	-5.41e-05
	2	41	0.0	0.0	0.0	-1.74e-05	-1.39e-04	-5.02e-05
	2	73	0.0	0.0	0.0	-6.04e-05	-4.21e-04	-1.13e-04
	2	77	0.0	0.0	0.0	-2.31e-05	-2.11e-04	-5.31e-05
	2	81	0.0	0.0	0.0	-2.31e-05	-2.11e-04	-5.31e-05
	3	2	-0.27	9.19e-03	-8.17e-03	-1.07e-04	-4.06e-04	1.35e-04
	3	28	-0.13	-1.32e-03	-4.16e-03	2.01e-05	-1.54e-04	-3.37e-05
	3	35	-0.10	0.01	-3.28e-03	-1.26e-04	-1.15e-04	1.63e-04
	3	36	-0.13	-2.31e-03	-4.18e-03	3.26e-05	-1.50e-04	-4.57e-05
	3	60	-0.12	2.11e-04	-4.02e-03	0.0	-1.43e-04	-7.24e-06
	3	67	-0.10	8.40e-03	-3.40e-03	-1.02e-04	-1.16e-04	1.32e-04
	3	68	-0.12	-4.99e-04	-4.04e-03	9.84e-06	-1.41e-04	-1.58e-05
	3	74	-0.19	6.34e-03	-5.72e-03	-7.38e-05	-2.80e-04	9.32e-05
	3	78	-0.13	4.58e-03	-4.27e-03	-5.33e-05	-1.65e-04	6.78e-05
	3	80	-0.14	3.99e-03	-4.15e-03	-4.65e-05	-2.26e-04	6.10e-05
	3	82	-0.12	3.91e-03	-3.82e-03	-4.55e-05	-1.49e-04	5.85e-05
	4	2	0.02	0.03	-0.01	-3.72e-04	8.12e-05	-3.98e-04
	4	6	0.01	0.04	-0.01	-4.45e-04	-8.60e-06	-4.61e-04
	4	14	0.03	2.65e-03	-4.06e-03	-2.95e-05	1.69e-04	-4.45e-05
	4	25	0.02	0.01	-3.28e-03	-1.27e-04	1.17e-04	-1.41e-04
	4	26	0.02	-2.38e-03	-4.33e-03	3.32e-05	1.47e-04	1.62e-05
	4	46	0.02	2.98e-03	-3.95e-03	-3.38e-05	1.49e-04	-4.91e-05
	4	57	0.02	8.47e-03	-3.41e-03	-1.03e-04	1.16e-04	-1.18e-04
	4	58	0.02	-5.38e-04	-4.16e-03	1.01e-05	1.37e-04	-6.36e-06
	4	74	0.02	0.02	-7.46e-03	-2.51e-04	6.23e-05	-2.69e-04
	4	76	8.72e-03	0.03	-7.48e-03	-2.99e-04	2.88e-06	-3.11e-04
	4	78	0.02	8.74e-03	-4.78e-03	-1.01e-04	1.05e-04	-1.18e-04
	4	80	7.76e-03	0.02	-5.86e-03	-2.24e-04	8.96e-06	-2.33e-04
	4	82	0.02	8.05e-03	-4.32e-03	-9.30e-05	8.94e-05	-1.07e-04
	5	2	-0.07	-0.39	-1.34	7.46e-04	2.20e-04	-1.41e-04
	5	6	-0.09	-0.33	-1.21	6.39e-04	1.81e-04	-1.49e-04
	5	19	-0.02	-0.02	-0.65	-1.30e-05	1.19e-04	5.18e-05
	5	37	-1.18e-03	0.30	-0.75	-6.92e-04	1.46e-04	1.63e-04
	5	40	-9.69e-03	-0.55	-0.54	1.16e-03	1.07e-04	-2.11e-04
	5	51	-0.01	-0.05	-0.65	5.72e-05	1.22e-04	2.92e-05
	5	69	-2.91e-03	0.17	-0.72	-4.26e-04	1.40e-04	1.08e-04
	5	72	-7.96e-03	-0.43	-0.57	8.94e-04	1.13e-04	-1.55e-04



5	74	-0.05	-0.27	-0.94	5.08e-04	1.56e-04	-9.51e-05
5	76	-0.06	-0.23	-0.86	4.37e-04	1.30e-04	-1.01e-04
5	78	-0.02	-0.17	-0.73	3.11e-04	1.36e-04	-4.32e-05
5	80	-0.05	-0.15	-0.70	2.95e-04	1.09e-04	-7.12e-05
5	82	-0.02	-0.13	-0.66	2.50e-04	1.22e-04	-3.64e-05
6	2	-0.03	-0.03	-0.74	1.43e-03	-1.53e-03	0.0
6	6	-0.03	-0.04	-0.78	1.66e-03	-1.59e-03	-6.92e-06
6	30	-0.02	-0.02	-0.19	3.23e-04	-4.26e-04	4.53e-05
6	31	-0.01	5.96e-03	-0.26	2.86e-05	-5.85e-04	-3.37e-05
6	40	-0.02	-0.01	-0.20	3.01e-04	-4.50e-04	4.23e-05
6	62	-0.02	-0.01	-0.20	2.80e-04	-4.50e-04	3.39e-05
6	63	-0.01	2.90e-03	-0.25	7.15e-05	-5.61e-04	-2.23e-05
6	72	-0.02	-0.01	-0.21	2.65e-04	-4.65e-04	3.19e-05
6	74	-0.02	-0.02	-0.51	9.64e-04	-1.06e-03	0.0
6	76	-0.02	-0.02	-0.54	1.11e-03	-1.10e-03	-4.23e-06
6	80	-0.02	-0.02	-0.42	8.16e-04	-8.70e-04	-3.23e-06
6	82	-0.02	-8.04e-03	-0.28	3.47e-04	-6.02e-04	3.41e-06
7	6	-0.26	0.38	-0.81	-9.40e-04	-8.50e-04	-2.83e-04
7	12	-0.07	0.02	-0.26	-1.79e-05	-2.26e-04	2.64e-06
7	25	-0.04	0.14	-0.20	-4.84e-04	-1.36e-04	-2.44e-04
7	28	-0.06	-0.05	-0.27	2.18e-04	-2.27e-04	1.33e-04
7	44	-0.06	0.02	-0.25	-5.24e-05	-2.10e-04	-1.44e-05
7	57	-0.05	0.11	-0.21	-3.82e-04	-1.50e-04	-1.90e-04
7	60	-0.06	-0.02	-0.26	1.16e-04	-2.13e-04	7.83e-05
7	76	-0.18	0.26	-0.55	-6.35e-04	-5.80e-04	-1.92e-04
7	80	-0.14	0.19	-0.43	-4.77e-04	-4.45e-04	-1.46e-04
7	82	-0.07	0.08	-0.29	-2.25e-04	-2.52e-04	-7.98e-05
8	2	-0.03	0.03	-0.78	-1.32e-03	-1.61e-03	5.67e-06
8	6	-0.03	0.03	-0.81	-1.58e-03	-1.65e-03	1.09e-05
8	25	-0.02	0.01	-0.20	-3.01e-04	-4.43e-04	-4.42e-05
8	28	-0.01	-6.25e-03	-0.27	-6.25e-06	-6.02e-04	3.48e-05
8	35	-0.02	0.01	-0.21	-2.79e-04	-4.67e-04	-4.12e-05
8	57	-0.02	0.01	-0.21	-2.58e-04	-4.67e-04	-3.28e-05
8	60	-0.01	-3.19e-03	-0.26	-4.91e-05	-5.78e-04	2.34e-05
8	67	-0.02	0.01	-0.22	-2.43e-04	-4.82e-04	-3.07e-05
8	74	-0.02	0.02	-0.54	-8.89e-04	-1.12e-03	3.44e-06
8	76	-0.02	0.02	-0.56	-1.06e-03	-1.14e-03	6.85e-06
8	80	-0.02	0.02	-0.43	-7.93e-04	-8.87e-04	4.36e-06
8	82	-0.02	7.75e-03	-0.29	-3.24e-04	-6.20e-04	-2.29e-06
9	2	-0.31	0.44	-1.36	-8.32e-04	-6.88e-04	1.51e-04
9	6	-0.33	0.49	-1.36	-9.30e-04	-7.09e-04	2.29e-04
9	12	-0.11	4.89e-03	-0.52	4.14e-05	-2.53e-04	4.27e-05
9	25	-0.07	0.33	-0.41	-8.41e-04	-1.69e-04	-3.07e-04
9	28	-0.11	-0.17	-0.55	5.04e-04	-2.65e-04	2.45e-04
9	44	-0.10	0.03	-0.50	-1.99e-05	-2.40e-04	2.25e-05
9	57	-0.08	0.26	-0.43	-6.47e-04	-1.84e-04	-2.28e-04
9	60	-0.10	-0.10	-0.53	3.10e-04	-2.50e-04	1.66e-04
9	74	-0.22	0.30	-0.94	-5.66e-04	-4.75e-04	9.95e-05
9	76	-0.23	0.33	-0.94	-6.30e-04	-4.88e-04	1.50e-04
9	80	-0.18	0.25	-0.73	-4.76e-04	-3.80e-04	1.09e-04
9	82	-0.11	0.13	-0.55	-2.51e-04	-2.61e-04	6.42e-06
10	2	-0.05	0.03	-1.37	-1.13e-03	-1.02e-03	-2.87e-05
10	6	-0.04	0.03	-1.37	-1.28e-03	-9.09e-04	-2.62e-05
10	28	-0.02	-0.02	-0.55	7.77e-05	-5.44e-04	4.02e-05
10	31	-0.03	0.03	-0.42	-4.81e-04	-4.05e-04	-6.06e-05
10	35	-0.03	0.03	-0.43	-4.50e-04	-4.08e-04	-5.75e-05
10	60	-0.02	-9.95e-03	-0.53	-3.23e-06	-5.22e-04	2.56e-05
10	63	-0.03	0.02	-0.44	-4.00e-04	-4.23e-04	-4.61e-05
10	67	-0.03	0.02	-0.44	-3.79e-04	-4.26e-04	-4.40e-05
10	74	-0.03	0.02	-0.95	-7.64e-04	-7.15e-04	-1.98e-05
10	76	-0.03	0.02	-0.95	-8.67e-04	-6.41e-04	-1.80e-05
10	78	-0.03	9.64e-03	-0.61	-3.54e-04	-5.40e-04	-1.29e-05
10	80	-0.02	0.02	-0.74	-6.53e-04	-5.11e-04	-1.33e-05
10	82	-0.02	8.66e-03	-0.55	-3.22e-04	-4.81e-04	-1.11e-05
11	2	-0.26	0.39	-1.64	-7.76e-04	-3.65e-04	2.74e-04
11	6	-0.27	0.41	-1.55	-8.36e-04	-3.49e-04	3.65e-04
11	12	-0.10	-0.03	-0.71	9.69e-05	-1.66e-04	5.00e-05
11	25	-0.07	0.52	-0.56	-1.11e-03	-1.09e-04	-2.05e-04
11	28	-0.10	-0.31	-0.76	7.33e-04	-1.79e-04	1.94e-04
11	44	-0.09	0.01	-0.69	1.37e-05	-1.58e-04	3.40e-05
11	57	-0.07	0.40	-0.59	-8.46e-04	-1.19e-04	-1.46e-04
11	60	-0.09	-0.19	-0.73	4.68e-04	-1.69e-04	1.35e-04
11	74	-0.18	0.27	-1.14	-5.30e-04	-2.54e-04	1.83e-04
11	76	-0.18	0.28	-1.08	-5.69e-04	-2.43e-04	2.43e-04
11	80	-0.14	0.21	-0.85	-4.31e-04	-1.91e-04	1.79e-04
11	82	-0.10	0.13	-0.71	-2.54e-04	-1.57e-04	4.39e-05
12	2	-0.06	0.02	-1.65	-6.12e-04	-3.69e-04	3.27e-05
12	6	-0.06	0.02	-1.56	-6.11e-04	-2.36e-04	4.16e-05
12	15	-0.03	0.01	-0.65	-3.01e-04	-2.40e-04	-8.93e-06
12	28	-0.03	-0.03	-0.76	1.84e-04	-3.06e-04	3.15e-05



12	31	-0.03	0.04	-0.57	-5.84e-04	-2.24e-04	-3.01e-05
12	47	-0.03	0.01	-0.66	-2.73e-04	-2.50e-04	-6.27e-06
12	60	-0.03	-0.02	-0.74	7.29e-05	-2.96e-04	2.25e-05
12	63	-0.03	0.03	-0.60	-4.73e-04	-2.37e-04	-2.11e-05
12	74	-0.04	0.01	-1.15	-4.21e-04	-2.65e-04	2.19e-05
12	76	-0.04	0.01	-1.09	-4.20e-04	-1.77e-04	2.77e-05
12	78	-0.04	6.54e-03	-0.80	-2.61e-04	-2.70e-04	6.33e-06
12	80	-0.03	8.49e-03	-0.86	-3.23e-04	-1.51e-04	2.03e-05
12	82	-0.03	5.82e-03	-0.72	-2.33e-04	-2.38e-04	5.88e-06
13	2	-0.16	0.31	-1.66	-6.21e-04	-3.16e-05	1.75e-04
13	6	-0.17	0.31	-1.51	-6.26e-04	-3.51e-05	2.28e-04
13	12	-0.06	-0.04	-0.77	1.01e-04	-1.85e-05	-1.96e-05
13	36	-0.05	-0.37	-0.84	7.94e-04	-1.79e-05	5.76e-05
13	39	-0.04	0.58	-0.63	-1.18e-03	0.0	-4.95e-05
13	44	-0.05	5.67e-03	-0.76	1.71e-05	-1.38e-05	-1.11e-05
13	68	-0.05	-0.23	-0.80	5.11e-04	-1.43e-05	4.27e-05
13	71	-0.04	0.45	-0.65	-8.96e-04	-1.74e-06	-3.38e-05
13	74	-0.11	0.22	-1.16	-4.26e-04	-2.16e-05	1.17e-04
13	76	-0.11	0.21	-1.06	-4.29e-04	-2.38e-05	1.52e-04
13	78	-0.06	0.14	-0.85	-2.56e-04	-1.07e-05	3.51e-05
13	80	-0.09	0.16	-0.84	-3.27e-04	-1.80e-05	1.14e-04
13	82	-0.06	0.12	-0.76	-2.28e-04	-9.61e-06	3.41e-05
14	2	-0.09	0.01	-1.67	-4.74e-04	1.51e-04	1.95e-05
14	12	-0.04	-7.02e-03	-0.77	-7.34e-05	2.14e-05	3.23e-06
14	36	-0.04	-0.03	-0.84	2.21e-04	-3.03e-06	1.17e-05
14	39	-0.04	0.04	-0.63	-6.15e-04	5.34e-06	-9.98e-06
14	44	-0.04	-3.63e-03	-0.76	-1.09e-04	1.02e-05	2.12e-06
14	68	-0.04	-0.02	-0.81	1.01e-04	-4.88e-06	8.39e-06
14	71	-0.04	0.03	-0.66	-4.95e-04	1.28e-06	-7.03e-06
14	74	-0.06	7.62e-03	-1.17	-3.28e-04	1.00e-04	1.30e-05
14	78	-0.05	5.39e-03	-0.85	-2.33e-04	2.23e-05	3.76e-06
14	80	-0.05	5.60e-03	-0.85	-2.37e-04	1.03e-04	1.23e-05
14	82	-0.04	4.81e-03	-0.76	-2.07e-04	2.30e-05	3.54e-06
15	2	-0.07	0.25	-1.44	-4.93e-04	2.36e-04	9.32e-05
15	6	-0.09	0.23	-1.28	-4.62e-04	1.92e-04	1.16e-04
15	12	-0.02	-0.01	-0.67	6.36e-05	1.22e-04	-6.13e-05
15	34	-5.46e-04	-0.32	-0.77	7.43e-04	1.50e-04	-1.73e-04
15	35	-9.05e-03	0.52	-0.56	-1.11e-03	1.10e-04	2.01e-04
15	44	-0.01	0.02	-0.67	-6.64e-06	1.26e-04	-3.87e-05
15	66	-2.27e-03	-0.20	-0.74	4.76e-04	1.43e-04	-1.17e-04
15	67	-7.32e-03	0.40	-0.59	-8.44e-04	1.17e-04	1.46e-04
15	74	-0.05	0.17	-1.01	-3.40e-04	1.67e-04	6.34e-05
15	76	-0.06	0.16	-0.90	-3.19e-04	1.37e-04	7.85e-05
15	78	-0.02	0.12	-0.76	-2.27e-04	1.41e-04	2.74e-05
15	80	-0.04	0.12	-0.72	-2.44e-04	1.12e-04	6.17e-05
15	82	-0.02	0.11	-0.68	-2.00e-04	1.25e-04	2.69e-05
16	2	-0.11	9.68e-03	-1.45	-4.39e-04	6.31e-04	1.35e-05
16	28	-0.05	-0.03	-0.76	1.70e-04	3.04e-04	-2.48e-05
16	34	-0.05	-0.03	-0.77	1.97e-04	2.91e-04	-2.05e-05
16	39	-0.05	0.04	-0.57	-5.82e-04	2.22e-04	2.58e-05
16	60	-0.05	-0.02	-0.73	6.59e-05	2.90e-04	-1.67e-05
16	66	-0.05	-0.02	-0.74	8.47e-05	2.82e-04	-1.35e-05
16	71	-0.05	0.03	-0.60	-4.70e-04	2.31e-04	1.89e-05
16	74	-0.08	6.74e-03	-1.02	-3.04e-04	4.40e-04	9.19e-06
16	78	-0.06	5.03e-03	-0.77	-2.24e-04	3.08e-04	4.47e-06
16	80	-0.06	4.96e-03	-0.73	-2.10e-04	3.31e-04	7.82e-06
16	82	-0.05	4.52e-03	-0.68	-1.98e-04	2.77e-04	4.08e-06
17	2	-0.05	0.18	-1.03	-4.02e-04	3.78e-04	7.65e-05
17	7	-0.08	0.07	-0.43	-1.68e-04	9.49e-05	5.66e-05
17	9	0.02	0.14	-0.49	-3.35e-04	2.28e-04	1.19e-04
17	34	9.31e-03	-0.18	-0.56	5.14e-04	2.48e-04	-2.47e-04
17	35	-1.34e-03	0.34	-0.41	-8.46e-04	1.76e-04	3.04e-04
17	41	0.01	0.12	-0.49	-2.87e-04	2.21e-04	9.16e-05
17	66	7.20e-03	-0.11	-0.54	3.18e-04	2.37e-04	-1.68e-04
17	67	7.70e-04	0.26	-0.44	-6.50e-04	1.87e-04	2.25e-04
17	74	-0.03	0.13	-0.72	-2.78e-04	2.67e-04	5.30e-05
17	75	-0.05	0.07	-0.42	-1.59e-04	1.23e-04	4.69e-05
17	78	-5.47e-03	0.09	-0.55	-1.97e-04	2.29e-04	3.52e-05
17	79	-0.04	0.07	-0.42	-1.51e-04	1.36e-04	4.14e-05
17	81	-7.70e-03	0.06	-0.40	-1.34e-04	1.63e-04	2.94e-05
17	82	-6.36e-03	0.08	-0.49	-1.72e-04	2.02e-04	3.29e-05
18	2	-0.14	8.33e-03	-1.03	-4.18e-04	9.85e-04	2.03e-05
18	34	-0.06	-0.03	-0.57	1.02e-04	5.31e-04	-3.83e-05
18	36	-0.07	-0.03	-0.55	9.67e-05	5.22e-04	-3.74e-05
18	39	-0.05	0.03	-0.42	-4.60e-04	3.88e-04	5.40e-05
18	66	-0.06	-0.02	-0.54	2.02e-05	5.09e-04	-2.49e-05
18	68	-0.06	-0.02	-0.54	1.70e-05	5.04e-04	-2.44e-05
18	71	-0.05	0.02	-0.44	-3.80e-04	4.09e-04	4.07e-05
18	74	-0.09	5.80e-03	-0.73	-2.89e-04	6.90e-04	1.41e-05
18	78	-0.07	4.37e-03	-0.56	-2.12e-04	5.24e-04	9.62e-06



18	80	-0.07	4.20e-03	-0.51	-1.89e-04	4.92e-04	1.06e-05
18	82	-0.06	3.92e-03	-0.50	-1.83e-04	4.68e-04	8.63e-06
19	2	-0.13	0.10	-0.49	-3.01e-04	2.33e-04	1.13e-04
19	6	-0.14	0.09	-0.42	-2.58e-04	1.55e-04	9.89e-05
19	12	-0.05	0.02	-0.23	-4.94e-05	1.32e-04	-2.85e-06
19	34	-0.04	-0.05	-0.27	2.27e-04	1.91e-04	-1.53e-04
19	35	-0.03	0.14	-0.20	-4.83e-04	1.29e-04	2.50e-04
19	44	-0.05	0.03	-0.24	-7.12e-05	1.44e-04	1.18e-05
19	66	-0.04	-0.03	-0.26	1.24e-04	1.81e-04	-9.51e-05
19	67	-0.03	0.11	-0.21	-3.80e-04	1.39e-04	1.92e-04
19	74	-0.09	0.07	-0.35	-2.08e-04	1.67e-04	7.80e-05
19	76	-0.09	0.06	-0.30	-1.79e-04	1.15e-04	6.87e-05
19	78	-0.05	0.05	-0.27	-1.51e-04	1.63e-04	5.68e-05
19	80	-0.07	0.05	-0.24	-1.36e-04	9.60e-05	5.29e-05
19	82	-0.05	0.04	-0.24	-1.30e-04	1.43e-04	4.96e-05
20	2	-0.16	6.44e-03	-0.49	-3.74e-04	1.09e-03	-1.25e-06
20	34	-0.08	-0.01	-0.27	-1.32e-05	6.15e-04	-5.31e-05
20	36	-0.08	-0.01	-0.27	-1.72e-05	5.96e-04	-5.37e-05
20	39	-0.06	0.02	-0.20	-2.96e-04	4.59e-04	5.29e-05
20	66	-0.07	-8.89e-03	-0.26	-5.48e-05	5.91e-04	-3.79e-05
20	68	-0.08	-9.00e-03	-0.26	-5.72e-05	5.79e-04	-3.83e-05
20	71	-0.06	0.01	-0.21	-2.56e-04	4.82e-04	3.75e-05
20	74	-0.11	4.47e-03	-0.35	-2.58e-04	7.67e-04	0.0
20	78	-0.08	3.34e-03	-0.27	-1.85e-04	6.02e-04	0.0
20	80	-0.08	3.10e-03	-0.24	-1.62e-04	5.31e-04	0.0
20	82	-0.07	2.95e-03	-0.24	-1.58e-04	5.34e-04	0.0
21	2	-0.05	-0.28	-0.95	6.14e-04	3.47e-04	-1.57e-04
21	7	-0.08	-0.07	-0.43	1.68e-04	9.49e-05	-5.66e-05
21	18	0.02	-0.16	-0.48	3.77e-04	2.22e-04	-1.35e-04
21	37	8.23e-03	0.16	-0.55	-4.71e-04	2.42e-04	2.31e-04
21	40	-2.42e-03	-0.36	-0.40	8.88e-04	1.70e-04	-3.20e-04
21	50	0.01	-0.14	-0.47	3.29e-04	2.15e-04	-1.08e-04
21	69	6.12e-03	0.09	-0.53	-2.76e-04	2.31e-04	1.52e-04
21	72	-3.07e-04	-0.28	-0.42	6.92e-04	1.81e-04	-2.41e-04
21	74	-0.04	-0.19	-0.67	4.19e-04	2.47e-04	-1.07e-04
21	75	-0.05	-0.07	-0.42	1.59e-04	1.23e-04	-4.69e-05
21	78	-7.26e-03	-0.12	-0.53	2.68e-04	2.19e-04	-6.20e-05
21	79	-0.04	-0.07	-0.42	1.51e-04	1.36e-04	-4.14e-05
21	81	-7.70e-03	-0.06	-0.40	1.34e-04	1.63e-04	-2.94e-05
21	82	-7.44e-03	-0.10	-0.48	2.14e-04	1.96e-04	-4.89e-05
22	2	-0.05	-0.03	-1.29	1.35e-03	-9.47e-04	3.32e-05
22	6	-0.04	-0.03	-1.31	1.44e-03	-8.58e-04	2.93e-05
22	28	-0.03	-0.03	-0.40	5.25e-04	-3.90e-04	6.15e-05
22	31	-0.02	0.02	-0.54	-3.33e-05	-5.29e-04	-3.93e-05
22	40	-0.03	-0.03	-0.41	4.94e-04	-3.93e-04	5.84e-05
22	60	-0.03	-0.02	-0.42	4.45e-04	-4.09e-04	4.70e-05
22	63	-0.02	9.36e-03	-0.52	4.76e-05	-5.08e-04	-2.47e-05
22	72	-0.03	-0.02	-0.43	4.23e-04	-4.11e-04	4.48e-05
22	74	-0.03	-0.02	-0.90	9.12e-04	-6.66e-04	2.28e-05
22	76	-0.03	-0.02	-0.91	9.70e-04	-6.07e-04	2.01e-05
22	78	-0.03	-0.01	-0.58	4.28e-04	-5.16e-04	1.44e-05
22	80	-0.02	-0.02	-0.72	6.97e-04	-4.96e-04	1.42e-05
22	82	-0.02	-9.25e-03	-0.53	3.67e-04	-4.67e-04	1.20e-05
23	1	-0.13	0.0	0.0	1.40e-05	4.16e-05	-4.50e-05
23	2	-0.20	0.0	0.0	4.10e-05	1.53e-04	-1.06e-04
23	9	-0.09	0.0	0.0	1.11e-05	1.59e-04	-2.28e-05
23	39	-0.10	0.0	0.0	-2.49e-06	1.35e-04	2.19e-05
23	41	-0.09	0.0	0.0	1.22e-05	1.48e-04	-2.85e-05
23	71	-0.10	0.0	0.0	2.63e-06	1.35e-04	3.54e-06
23	73	-0.09	0.0	0.0	1.00e-05	3.72e-05	-3.24e-05
23	74	-0.14	0.0	0.0	2.81e-05	1.12e-04	-7.34e-05
23	77	-0.08	0.0	0.0	9.75e-06	8.97e-05	-3.03e-05
23	80	-0.11	0.0	0.0	1.55e-05	5.96e-05	-4.47e-05
23	81	-0.08	0.0	0.0	9.75e-06	8.97e-05	-3.03e-05
23	82	-0.09	0.0	0.0	1.52e-05	1.12e-04	-4.26e-05
24	1	0.0	0.0	0.0	8.91e-05	-6.12e-04	1.65e-04
24	9	0.0	0.0	0.0	9.03e-06	-1.47e-04	3.31e-05
24	41	0.0	0.0	0.0	1.09e-05	-1.54e-04	3.57e-05
24	73	0.0	0.0	0.0	6.04e-05	-4.21e-04	1.13e-04
24	77	0.0	0.0	0.0	2.31e-05	-2.11e-04	5.31e-05
24	81	0.0	0.0	0.0	2.31e-05	-2.11e-04	5.31e-05
25	2	-0.26	-0.01	-7.55e-03	1.48e-04	-3.81e-04	-1.76e-04
25	31	-0.13	6.44e-04	-4.04e-03	-1.20e-05	-1.49e-04	2.55e-05
25	39	-0.13	1.64e-03	-4.06e-03	-2.44e-05	-1.45e-04	3.75e-05
25	40	-0.09	-0.01	-3.16e-03	1.34e-04	-1.10e-04	-1.71e-04
25	63	-0.12	-8.86e-04	-3.90e-03	7.17e-06	-1.38e-04	0.0
25	71	-0.12	-1.76e-04	-3.91e-03	-1.71e-06	-1.36e-04	7.56e-06
25	72	-0.10	-9.07e-03	-3.27e-03	1.10e-04	-1.11e-04	-1.41e-04
25	74	-0.18	-8.60e-03	-5.31e-03	1.01e-04	-2.63e-04	-1.21e-04
25	78	-0.13	-5.71e-03	-4.06e-03	6.69e-05	-1.57e-04	-8.15e-05



25	80	-0.14	-4.67e-03	-4.03e-03	5.46e-05	-2.21e-04	-6.92e-05
25	82	-0.12	-4.59e-03	-3.70e-03	5.36e-05	-1.44e-04	-6.68e-05
26	2	0.02	-0.04	-0.01	4.13e-04	5.66e-05	4.26e-04
26	6	8.46e-03	-0.04	-0.01	4.73e-04	-2.58e-05	4.81e-04
26	21	0.03	-3.32e-03	-3.93e-03	3.76e-05	1.64e-04	5.01e-05
26	29	0.02	1.71e-03	-4.19e-03	-2.51e-05	1.42e-04	-1.05e-05
26	30	0.02	-0.01	-3.15e-03	1.35e-04	1.12e-04	1.47e-04
26	53	0.02	-3.65e-03	-3.82e-03	4.19e-05	1.44e-04	5.47e-05
26	61	0.02	-1.31e-04	-4.02e-03	-2.06e-06	1.32e-04	1.20e-05
26	62	0.02	-9.13e-03	-3.28e-03	1.11e-04	1.11e-04	1.23e-04
26	74	0.01	-0.02	-7.02e-03	2.78e-04	4.59e-05	2.88e-04
26	76	7.06e-03	-0.03	-7.16e-03	3.18e-04	-8.60e-06	3.24e-04
26	78	0.02	-9.85e-03	-4.56e-03	1.14e-04	9.64e-05	1.27e-04
26	80	7.05e-03	-0.02	-5.73e-03	2.32e-04	4.04e-06	2.39e-04
26	82	0.02	-8.72e-03	-4.19e-03	1.01e-04	8.45e-05	1.13e-04
27	2	-0.13	-0.15	-0.45	4.41e-04	2.09e-04	-1.88e-04
27	6	-0.14	-0.12	-0.40	3.56e-04	1.38e-04	-1.51e-04
27	19	-0.05	-0.03	-0.23	7.75e-05	1.27e-04	-1.21e-05
27	37	-0.04	0.05	-0.27	-1.99e-04	1.86e-04	1.38e-04
27	40	-0.03	-0.15	-0.20	5.11e-04	1.24e-04	-2.65e-04
27	51	-0.05	-0.04	-0.23	9.92e-05	1.39e-04	-2.68e-05
27	69	-0.04	0.02	-0.26	-9.56e-05	1.76e-04	8.02e-05
27	72	-0.03	-0.12	-0.21	4.08e-04	1.34e-04	-2.07e-04
27	74	-0.09	-0.10	-0.32	3.01e-04	1.51e-04	-1.28e-04
27	76	-0.09	-0.08	-0.28	2.45e-04	1.04e-04	-1.04e-04
27	78	-0.05	-0.07	-0.26	1.97e-04	1.55e-04	-8.18e-05
27	80	-0.07	-0.05	-0.23	1.64e-04	9.11e-05	-6.79e-05
27	82	-0.05	-0.05	-0.23	1.58e-04	1.38e-04	-6.46e-05
28	2	-0.06	-0.02	-1.54	9.16e-04	-3.29e-04	-2.66e-05
28	24	-0.03	-0.01	-0.63	3.62e-04	-2.32e-04	1.02e-05
28	28	-0.03	-0.04	-0.55	6.45e-04	-2.16e-04	3.13e-05
28	31	-0.03	0.03	-0.74	-1.23e-04	-2.98e-04	-3.03e-05
28	56	-0.03	-0.01	-0.63	3.34e-04	-2.42e-04	7.49e-06
28	60	-0.03	-0.03	-0.58	5.34e-04	-2.30e-04	2.23e-05
28	63	-0.03	0.02	-0.71	-1.21e-05	-2.88e-04	-2.12e-05
28	74	-0.04	-0.01	-1.08	6.24e-04	-2.39e-04	-1.78e-05
28	78	-0.04	-8.27e-03	-0.76	3.62e-04	-2.57e-04	-4.29e-06
28	80	-0.03	-9.53e-03	-0.84	3.84e-04	-1.43e-04	-1.91e-05
28	82	-0.03	-6.85e-03	-0.70	2.94e-04	-2.30e-04	-4.66e-06
29	6	-0.25	-0.41	-0.78	1.04e-03	-8.26e-04	3.31e-04
29	19	-0.07	-0.02	-0.25	4.56e-05	-2.20e-04	1.09e-05
29	30	-0.04	-0.15	-0.19	5.12e-04	-1.29e-04	2.58e-04
29	31	-0.06	0.04	-0.26	-1.91e-04	-2.21e-04	-1.19e-04
29	51	-0.06	-0.03	-0.24	8.01e-05	-2.03e-04	2.80e-05
29	62	-0.04	-0.12	-0.20	4.10e-04	-1.43e-04	2.04e-04
29	63	-0.06	0.01	-0.25	-8.82e-05	-2.06e-04	-6.47e-05
29	76	-0.17	-0.27	-0.54	6.99e-04	-5.64e-04	2.24e-04
29	80	-0.13	-0.20	-0.42	5.05e-04	-4.39e-04	1.59e-04
29	82	-0.07	-0.09	-0.28	2.52e-04	-2.45e-04	9.34e-05
30	2	-0.09	-0.02	-1.55	8.07e-04	1.52e-04	-1.62e-05
30	19	-0.04	5.61e-03	-0.75	1.40e-04	2.16e-05	-2.57e-06
30	36	-0.04	-0.04	-0.61	6.82e-04	5.55e-06	1.06e-05
30	39	-0.04	0.03	-0.82	-1.54e-04	-2.82e-06	-1.11e-05
30	51	-0.04	2.22e-03	-0.74	1.75e-04	1.04e-05	-1.46e-06
30	68	-0.04	-0.03	-0.64	5.61e-04	1.49e-06	7.69e-06
30	71	-0.04	0.02	-0.79	-3.43e-05	-4.67e-06	-7.73e-06
30	74	-0.06	-0.01	-1.09	5.50e-04	1.01e-04	-1.09e-05
30	78	-0.05	-7.73e-03	-0.82	3.44e-04	2.26e-05	-2.67e-06
30	80	-0.05	-7.01e-03	-0.82	3.03e-04	1.03e-04	-1.16e-05
30	82	-0.04	-6.22e-03	-0.74	2.74e-04	2.32e-05	-2.89e-06
31	6	-0.32	-0.56	-1.30	1.08e-03	-6.82e-04	-1.72e-04
31	19	-0.11	-0.02	-0.50	0.0	-2.46e-04	-2.66e-05
31	30	-0.07	-0.35	-0.39	8.83e-04	-1.62e-04	3.23e-04
31	31	-0.10	0.15	-0.53	-4.61e-04	-2.58e-04	-2.29e-04
31	51	-0.10	-0.05	-0.49	6.21e-05	-2.33e-04	-6.39e-06
31	62	-0.08	-0.28	-0.41	6.90e-04	-1.76e-04	2.44e-04
31	63	-0.10	0.08	-0.51	-2.68e-04	-2.43e-04	-1.50e-04
31	76	-0.22	-0.38	-0.90	7.28e-04	-4.71e-04	-1.13e-04
31	80	-0.17	-0.27	-0.72	5.18e-04	-3.72e-04	-9.30e-05
31	82	-0.11	-0.15	-0.53	2.93e-04	-2.53e-04	9.68e-06
32	2	-0.11	-0.02	-1.34	7.46e-04	5.93e-04	-1.40e-05
32	31	-0.05	0.03	-0.74	-1.09e-04	2.96e-04	2.47e-05
32	36	-0.05	-0.04	-0.55	6.43e-04	2.14e-04	-2.59e-05
32	37	-0.05	0.03	-0.75	-1.36e-04	2.84e-04	2.03e-05
32	63	-0.05	0.02	-0.71	-4.65e-06	2.82e-04	1.66e-05
32	68	-0.05	-0.03	-0.58	5.31e-04	2.24e-04	-1.90e-05
32	69	-0.05	0.02	-0.72	-2.34e-05	2.74e-04	1.34e-05
32	74	-0.08	-0.01	-0.95	5.09e-04	4.14e-04	-9.55e-06
32	78	-0.06	-7.66e-03	-0.73	3.27e-04	2.95e-04	-4.66e-06
32	80	-0.06	-6.54e-03	-0.70	2.72e-04	3.23e-04	-7.93e-06



32	82	-0.05	-6.10e-03	-0.66	2.59e-04	2.69e-04	-4.19e-06
33	2	-0.25	-0.53	-1.53	1.03e-03	-3.39e-04	-2.19e-04
33	6	-0.26	-0.51	-1.48	1.01e-03	-3.31e-04	-3.26e-04
33	19	-0.10	-3.17e-03	-0.68	-4.65e-05	-1.61e-04	-3.90e-05
33	30	-0.06	-0.55	-0.54	1.16e-03	-1.04e-04	2.16e-04
33	31	-0.10	0.28	-0.74	-6.83e-04	-1.74e-04	-1.83e-04
33	51	-0.09	-0.04	-0.67	3.66e-05	-1.53e-04	-2.29e-05
33	62	-0.07	-0.43	-0.57	8.96e-04	-1.14e-04	1.57e-04
33	63	-0.09	0.16	-0.71	-4.17e-04	-1.63e-04	-1.24e-04
33	74	-0.17	-0.36	-1.07	6.98e-04	-2.37e-04	-1.46e-04
33	76	-0.18	-0.35	-1.03	6.86e-04	-2.31e-04	-2.17e-04
33	80	-0.14	-0.24	-0.83	4.82e-04	-1.86e-04	-1.68e-04
33	82	-0.10	-0.16	-0.69	3.04e-04	-1.51e-04	-3.28e-05
34	2	-0.13	-0.02	-0.95	6.46e-04	9.14e-04	-2.55e-05
34	36	-0.05	-0.03	-0.40	5.05e-04	3.74e-04	-5.50e-05
34	37	-0.06	0.02	-0.55	-5.65e-05	5.16e-04	3.73e-05
34	39	-0.07	0.02	-0.54	-5.11e-05	5.08e-04	3.64e-05
34	68	-0.05	-0.03	-0.42	4.25e-04	3.95e-04	-4.17e-05
34	69	-0.06	0.02	-0.53	2.53e-05	4.95e-04	2.39e-05
34	71	-0.06	0.02	-0.52	2.85e-05	4.90e-04	2.34e-05
34	74	-0.09	-0.01	-0.67	4.41e-04	6.43e-04	-1.75e-05
34	78	-0.07	-6.82e-03	-0.53	2.88e-04	5.01e-04	-1.14e-05
34	80	-0.07	-5.66e-03	-0.49	2.35e-04	4.78e-04	-1.16e-05
34	82	-0.06	-5.38e-03	-0.48	2.29e-04	4.54e-04	-9.67e-06
35	2	-0.15	-0.48	-1.54	8.86e-04	-2.65e-05	-1.70e-04
35	6	-0.16	-0.42	-1.43	8.12e-04	-3.15e-05	-2.25e-04
35	19	-0.06	3.27e-03	-0.75	-4.81e-05	-1.74e-05	2.06e-05
35	36	-0.04	-0.61	-0.60	1.23e-03	0.0	5.04e-05
35	39	-0.05	0.33	-0.81	-7.41e-04	-1.69e-05	-5.66e-05
35	51	-0.05	-0.04	-0.73	3.61e-05	-1.28e-05	1.21e-05
35	68	-0.04	-0.48	-0.63	9.49e-04	0.0	3.48e-05
35	71	-0.05	0.20	-0.78	-4.58e-04	-1.32e-05	-4.17e-05
35	74	-0.11	-0.32	-1.08	6.03e-04	-1.82e-05	-1.14e-04
35	76	-0.11	-0.29	-1.01	5.53e-04	-2.14e-05	-1.50e-04
35	80	-0.09	-0.19	-0.82	3.80e-04	-1.69e-05	-1.13e-04
35	82	-0.06	-0.15	-0.74	2.81e-04	-8.59e-06	-3.31e-05
36	2	-0.16	-0.01	-0.45	4.86e-04	1.01e-03	-1.05e-05
36	36	-0.06	-0.02	-0.20	3.18e-04	4.41e-04	-5.53e-05
36	37	-0.08	0.01	-0.27	3.57e-05	5.97e-04	5.07e-05
36	39	-0.08	0.01	-0.26	3.98e-05	5.78e-04	5.13e-05
36	68	-0.06	-0.02	-0.21	2.78e-04	4.64e-04	-3.99e-05
36	69	-0.07	7.94e-03	-0.26	7.73e-05	5.74e-04	3.56e-05
36	71	-0.07	8.05e-03	-0.25	7.98e-05	5.62e-04	3.59e-05
36	74	-0.11	-7.64e-03	-0.32	3.33e-04	7.09e-04	-6.95e-06
36	78	-0.08	-4.92e-03	-0.26	2.23e-04	5.73e-04	-3.39e-06
36	80	-0.08	-4.06e-03	-0.23	1.84e-04	5.14e-04	-2.25e-06
36	82	-0.07	-3.90e-03	-0.23	1.80e-04	5.17e-04	-2.04e-06
37	1	0.0	0.0	0.0	-2.93e-05	-1.60e-03	-3.30e-04
37	9	0.0	0.0	0.0	-6.43e-06	-4.73e-04	-1.16e-04
37	41	0.0	0.0	0.0	-5.75e-06	-4.87e-04	-1.14e-04
37	73	0.0	0.0	0.0	-1.99e-05	-1.10e-03	-2.28e-04
37	77	0.0	0.0	0.0	-7.62e-06	-5.87e-04	-1.24e-04
37	81	0.0	0.0	0.0	-7.62e-06	-5.87e-04	-1.24e-04
38	1	0.0	0.0	0.0	-6.96e-06	-2.01e-03	-5.18e-05
38	9	0.0	0.0	0.0	-1.84e-06	-5.86e-04	-9.65e-06
38	41	0.0	0.0	0.0	-1.56e-06	-5.97e-04	-8.08e-06
38	73	0.0	0.0	0.0	-4.71e-06	-1.39e-03	-3.50e-05
38	77	0.0	0.0	0.0	-1.80e-06	-7.22e-04	-1.27e-05
38	81	0.0	0.0	0.0	-1.80e-06	-7.22e-04	-1.27e-05
39	1	0.0	0.0	0.0	6.96e-06	-2.01e-03	5.18e-05
39	9	0.0	0.0	0.0	0.0	-5.90e-04	5.01e-06
39	41	0.0	0.0	0.0	0.0	-5.98e-04	6.58e-06
39	73	0.0	0.0	0.0	4.71e-06	-1.39e-03	3.50e-05
39	77	0.0	0.0	0.0	1.80e-06	-7.22e-04	1.27e-05
39	81	0.0	0.0	0.0	1.80e-06	-7.22e-04	1.27e-05
40	1	0.0	0.0	0.0	2.93e-05	-1.60e-03	3.30e-04
40	9	0.0	0.0	0.0	2.93e-06	-4.87e-04	1.16e-04
40	41	0.0	0.0	0.0	3.56e-06	-4.91e-04	1.13e-04
40	73	0.0	0.0	0.0	1.99e-05	-1.10e-03	2.28e-04
40	77	0.0	0.0	0.0	7.62e-06	-5.87e-04	1.24e-04
40	81	0.0	0.0	0.0	7.62e-06	-5.87e-04	1.24e-04
41	2	-0.04	0.03	-1.00	-1.15e-03	-2.35e-03	-2.07e-04
41	6	-0.04	0.03	-1.08	-1.39e-03	-2.45e-03	-2.28e-04
41	23	-0.02	5.99e-03	-0.26	-1.53e-04	-7.17e-04	-5.05e-05
41	25	-0.02	0.01	-0.24	-2.30e-04	-6.52e-04	-6.23e-05
41	28	-0.01	-6.39e-03	-0.28	-8.40e-06	-7.60e-04	-3.33e-05
41	57	-0.02	9.89e-03	-0.25	-1.98e-04	-6.68e-04	-5.80e-05
41	60	-0.01	-3.64e-03	-0.27	-4.07e-05	-7.43e-04	-3.76e-05
41	71	-0.02	9.57e-03	-0.25	-1.90e-04	-6.80e-04	-5.73e-05
41	74	-0.03	0.02	-0.69	-7.73e-04	-1.62e-03	-1.41e-04



41	76	-0.02	0.02	-0.74	-9.36e-04	-1.69e-03	-1.55e-04
41	80	-0.02	0.02	-0.57	-7.01e-04	-1.31e-03	-1.18e-04
41	82	-0.02	6.51e-03	-0.34	-2.75e-04	-8.66e-04	-6.66e-05
42	2	-0.03	9.40e-03	-1.13	-3.94e-04	-2.54e-03	-1.10e-05
42	6	-0.03	0.01	-1.24	-5.04e-04	-2.67e-03	-1.30e-05
42	12	-0.01	-1.87e-03	-0.28	-1.95e-06	-7.72e-04	1.83e-06
42	23	-0.02	3.78e-03	-0.28	-6.67e-05	-7.62e-04	-8.50e-06
42	25	-0.01	0.01	-0.26	-1.31e-04	-7.18e-04	-1.95e-05
42	44	-0.01	-1.02e-03	-0.28	-1.24e-05	-7.61e-04	0.0
42	55	-0.01	2.96e-03	-0.28	-5.72e-05	-7.53e-04	-6.98e-06
42	57	-0.01	7.48e-03	-0.27	-1.03e-04	-7.26e-04	-1.49e-05
42	74	-0.02	6.35e-03	-0.77	-2.66e-04	-1.75e-03	-7.60e-06
42	76	-0.02	7.84e-03	-0.84	-3.39e-04	-1.83e-03	-8.95e-06
42	80	-0.02	5.97e-03	-0.65	-2.61e-04	-1.42e-03	-7.53e-06
42	82	-0.02	2.33e-03	-0.37	-9.58e-05	-9.22e-04	-4.50e-06
43	2	-0.03	-0.01	-1.12	5.35e-04	-2.51e-03	2.63e-05
43	6	-0.03	-0.01	-1.23	6.03e-04	-2.65e-03	2.37e-05
43	16	-0.02	-4.23e-03	-0.28	9.49e-05	-7.57e-04	1.16e-05
43	19	-0.01	1.42e-03	-0.28	3.01e-05	-7.68e-04	1.22e-06
43	30	-0.01	-0.01	-0.26	1.59e-04	-7.13e-04	2.26e-05
43	48	-0.01	-3.41e-03	-0.28	8.54e-05	-7.49e-04	1.00e-05
43	51	-0.01	5.66e-04	-0.28	4.06e-05	-7.56e-04	2.78e-06
43	62	-0.01	-7.94e-03	-0.26	1.31e-04	-7.21e-04	1.79e-05
43	74	-0.02	-7.86e-03	-0.77	3.60e-04	-1.73e-03	1.78e-05
43	76	-0.02	-8.89e-03	-0.84	4.04e-04	-1.82e-03	1.61e-05
43	80	-0.02	-6.42e-03	-0.64	2.89e-04	-1.41e-03	1.06e-05
43	82	-0.02	-2.78e-03	-0.37	1.24e-04	-9.17e-04	7.55e-06
44	2	-0.04	-0.03	-0.97	1.27e-03	-2.28e-03	2.16e-04
44	6	-0.04	-0.03	-1.06	1.48e-03	-2.40e-03	2.34e-04
44	16	-0.02	-6.34e-03	-0.26	1.78e-04	-7.03e-04	5.25e-05
44	30	-0.02	-0.01	-0.23	2.55e-04	-6.38e-04	6.42e-05
44	31	-0.01	6.04e-03	-0.27	3.28e-05	-7.46e-04	3.53e-05
44	62	-0.02	-0.01	-0.24	2.23e-04	-6.55e-04	6.00e-05
44	63	-0.01	3.29e-03	-0.27	6.51e-05	-7.30e-04	3.95e-05
44	68	-0.02	-9.92e-03	-0.24	2.14e-04	-6.66e-04	5.92e-05
44	74	-0.03	-0.02	-0.67	8.55e-04	-1.57e-03	1.48e-04
44	76	-0.02	-0.02	-0.72	9.93e-04	-1.65e-03	1.60e-04
44	80	-0.02	-0.02	-0.56	7.26e-04	-1.29e-03	1.20e-04
44	82	-0.02	-6.86e-03	-0.34	2.99e-04	-8.52e-04	6.86e-05
45	2	-0.04	0.02	-1.55	-9.13e-04	-7.38e-04	6.09e-05
45	6	-0.03	0.03	-1.57	-1.05e-03	-4.22e-04	1.06e-04
45	23	-0.03	0.01	-0.52	-2.29e-04	-5.84e-04	-2.89e-05
45	25	-0.03	0.03	-0.47	-3.84e-04	-5.39e-04	-3.91e-05
45	28	-0.02	-0.02	-0.55	6.35e-05	-6.34e-04	-1.15e-05
45	55	-0.03	9.28e-03	-0.51	-2.08e-04	-5.84e-04	-2.79e-05
45	57	-0.03	0.02	-0.48	-3.19e-04	-5.53e-04	-3.51e-05
45	60	-0.02	-0.01	-0.54	-1.35e-06	-6.20e-04	-1.55e-05
45	74	-0.03	0.02	-1.07	-6.20e-04	-5.34e-04	3.92e-05
45	76	-0.02	0.02	-1.08	-7.13e-04	-3.25e-04	6.91e-05
45	78	-0.03	7.92e-03	-0.66	-2.84e-04	-5.77e-04	-8.32e-06
45	80	-0.02	0.01	-0.84	-5.41e-04	-2.82e-04	5.03e-05
45	82	-0.02	7.16e-03	-0.60	-2.62e-04	-5.06e-04	-5.15e-06
46	2	-0.04	7.76e-03	-1.64	-2.61e-04	-5.69e-04	8.39e-06
46	6	-0.03	9.26e-03	-1.68	-3.41e-04	-1.92e-04	1.02e-05
46	12	-0.03	-4.90e-03	-0.55	2.53e-05	-6.13e-04	3.44e-06
46	23	-0.03	7.72e-03	-0.54	-1.06e-04	-6.03e-04	-5.74e-06
46	25	-0.02	0.02	-0.51	-2.40e-04	-5.79e-04	-1.59e-05
46	44	-0.03	-3.01e-03	-0.54	4.41e-06	-6.07e-04	2.23e-06
46	55	-0.03	5.87e-03	-0.54	-8.69e-05	-6.01e-04	-4.31e-06
46	57	-0.02	0.02	-0.52	-1.83e-04	-5.85e-04	-1.16e-05
46	74	-0.03	5.29e-03	-1.14	-1.78e-04	-4.21e-04	5.51e-06
46	76	-0.02	6.28e-03	-1.16	-2.31e-04	-1.72e-04	6.69e-06
46	78	-0.03	2.51e-03	-0.69	-7.88e-05	-5.55e-04	0.0
46	80	-0.02	4.93e-03	-0.90	-1.88e-04	-1.71e-04	4.26e-06
46	82	-0.02	2.41e-03	-0.63	-8.17e-05	-4.84e-04	0.0
47	2	-0.04	-0.01	-1.63	5.22e-04	-5.49e-04	4.72e-06
47	6	-0.03	-0.01	-1.67	5.23e-04	-1.78e-04	-1.01e-06
47	16	-0.03	-8.50e-03	-0.54	1.58e-04	-6.00e-04	8.36e-06
47	19	-0.03	4.12e-03	-0.55	2.69e-05	-6.09e-04	0.0
47	30	-0.02	-0.02	-0.51	2.92e-04	-5.75e-04	1.86e-05
47	48	-0.03	-6.66e-03	-0.53	1.39e-04	-5.97e-04	6.93e-06
47	51	-0.03	2.23e-03	-0.54	4.77e-05	-6.03e-04	0.0
47	62	-0.02	-0.02	-0.51	2.35e-04	-5.81e-04	1.42e-05
47	74	-0.03	-7.90e-03	-1.12	3.52e-04	-4.08e-04	3.23e-06
47	76	-0.02	-8.11e-03	-1.15	3.53e-04	-1.63e-04	0.0
47	78	-0.03	-3.82e-03	-0.69	1.66e-04	-5.49e-04	3.52e-06
47	80	-0.02	-5.71e-03	-0.90	2.40e-04	-1.67e-04	-1.64e-06
47	82	-0.02	-3.19e-03	-0.62	1.34e-04	-4.80e-04	2.13e-06
48	2	-0.04	-0.03	-1.50	1.15e-03	-6.82e-04	-5.11e-05
48	6	-0.03	-0.03	-1.53	1.22e-03	-3.83e-04	-9.95e-05



48	16	-0.03	-0.01	-0.51	2.76e-04	-5.73e-04	3.08e-05
48	30	-0.03	-0.03	-0.46	4.32e-04	-5.28e-04	4.11e-05
48	31	-0.02	0.02	-0.54	-1.59e-05	-6.23e-04	1.34e-05
48	48	-0.03	-9.95e-03	-0.50	2.56e-04	-5.73e-04	2.99e-05
48	62	-0.03	-0.02	-0.47	3.67e-04	-5.42e-04	3.71e-05
48	63	-0.02	9.34e-03	-0.53	4.89e-05	-6.09e-04	1.75e-05
48	74	-0.03	-0.02	-1.04	7.78e-04	-4.97e-04	-3.26e-05
48	76	-0.02	-0.02	-1.06	8.24e-04	-2.98e-04	-6.45e-05
48	78	-0.03	-9.03e-03	-0.65	3.64e-04	-5.59e-04	1.16e-05
48	80	-0.02	-0.01	-0.83	5.89e-04	-2.71e-04	-4.83e-05
48	82	-0.02	-7.83e-03	-0.59	3.09e-04	-4.94e-04	7.11e-06
49	2	-0.07	0.01	-1.73	-4.15e-04	-2.71e-04	4.09e-05
49	6	-0.06	0.01	-1.64	-4.16e-04	-6.42e-05	6.44e-05
49	15	-0.03	0.01	-0.70	-2.33e-04	-2.83e-04	-1.16e-05
49	28	-0.03	-0.03	-0.75	1.71e-04	-3.29e-04	-1.71e-06
49	31	-0.03	0.03	-0.65	-4.70e-04	-2.86e-04	-1.85e-05
49	47	-0.03	9.56e-03	-0.69	-2.10e-04	-2.95e-04	-1.15e-05
49	60	-0.03	-0.02	-0.74	7.83e-05	-3.26e-04	-4.33e-06
49	63	-0.03	0.03	-0.66	-3.77e-04	-2.95e-04	-1.62e-05
49	74	-0.05	7.26e-03	-1.21	-2.86e-04	-2.03e-04	2.67e-05
49	76	-0.04	7.33e-03	-1.15	-2.87e-04	-6.61e-05	4.21e-05
49	78	-0.04	4.51e-03	-0.84	-1.87e-04	-2.87e-04	0.0
49	80	-0.03	5.69e-03	-0.90	-2.27e-04	-7.19e-05	3.07e-05
49	82	-0.03	4.06e-03	-0.75	-1.70e-04	-2.50e-04	0.0
50	2	-0.07	1.88e-03	-1.77	-4.10e-05	-2.14e-04	1.36e-05
50	5	-0.04	2.95e-03	-1.22	-1.18e-04	2.21e-04	1.41e-05
50	15	-0.03	9.16e-03	-0.72	-1.08e-04	-3.00e-04	-2.56e-06
50	28	-0.03	-0.03	-0.73	2.54e-04	-3.27e-04	9.31e-06
50	31	-0.03	0.03	-0.70	-3.21e-04	-3.12e-04	-7.52e-06
50	47	-0.03	6.86e-03	-0.72	-8.79e-05	-3.10e-04	-1.43e-06
50	60	-0.03	-0.02	-0.72	1.71e-04	-3.28e-04	6.96e-06
50	63	-0.03	0.02	-0.70	-2.38e-04	-3.17e-04	-5.05e-06
50	74	-0.05	1.34e-03	-1.24	-3.10e-05	-1.66e-04	9.12e-06
50	75	-0.03	2.05e-03	-0.86	-8.25e-05	1.23e-04	9.48e-06
50	78	-0.04	1.02e-03	-0.86	-3.26e-05	-2.86e-04	3.23e-06
50	79	-0.03	1.80e-03	-0.79	-7.35e-05	2.49e-05	7.23e-06
50	80	-0.03	1.66e-03	-0.93	-6.08e-05	-3.23e-05	7.80e-06
50	81	-0.03	1.24e-03	-0.63	-5.38e-05	-1.91e-04	2.28e-06
50	82	-0.03	1.11e-03	-0.77	-4.11e-05	-2.48e-04	2.85e-06
51	2	-0.07	-7.90e-03	-1.75	3.86e-04	-2.05e-04	-7.53e-06
51	24	-0.03	-0.01	-0.72	1.77e-04	-2.98e-04	3.77e-06
51	28	-0.03	-0.03	-0.69	3.91e-04	-3.10e-04	8.73e-06
51	31	-0.03	0.03	-0.73	-1.85e-04	-3.25e-04	-8.10e-06
51	56	-0.03	-8.06e-03	-0.71	1.57e-04	-3.08e-04	2.64e-06
51	60	-0.03	-0.02	-0.70	3.07e-04	-3.15e-04	6.25e-06
51	63	-0.03	0.02	-0.72	-1.02e-04	-3.26e-04	-5.75e-06
51	74	-0.05	-5.35e-03	-1.22	2.61e-04	-1.59e-04	-5.10e-06
51	78	-0.04	-3.02e-03	-0.85	1.48e-04	-2.83e-04	-1.22e-06
51	80	-0.03	-2.86e-03	-0.92	1.30e-04	-3.04e-05	-6.59e-06
51	82	-0.03	-2.31e-03	-0.76	1.10e-04	-2.46e-04	-1.64e-06
52	2	-0.07	-0.02	-1.67	7.38e-04	-2.44e-04	-3.54e-05
52	24	-0.03	-0.01	-0.68	2.97e-04	-2.78e-04	1.27e-05
52	28	-0.03	-0.04	-0.63	5.34e-04	-2.81e-04	1.96e-05
52	31	-0.03	0.03	-0.74	-1.06e-04	-3.24e-04	2.81e-06
52	56	-0.03	-0.01	-0.68	2.74e-04	-2.90e-04	1.26e-05
52	60	-0.03	-0.03	-0.65	4.42e-04	-2.90e-04	1.73e-05
52	63	-0.03	0.02	-0.72	-1.37e-05	-3.20e-04	5.44e-06
52	74	-0.05	-0.01	-1.16	5.02e-04	-1.85e-04	-2.30e-05
52	78	-0.04	-6.37e-03	-0.81	2.95e-04	-2.78e-04	2.56e-06
52	80	-0.03	-6.80e-03	-0.89	2.92e-04	-6.65e-05	-2.96e-05
52	82	-0.03	-5.18e-03	-0.74	2.35e-04	-2.44e-04	0.0
53	2	-0.09	7.17e-03	-1.74	-3.19e-04	2.57e-04	2.99e-05
53	16	-0.04	-8.00e-03	-0.79	-4.31e-05	3.11e-05	1.43e-06
53	36	-0.04	-0.03	-0.82	2.05e-04	6.27e-06	-1.29e-06
53	39	-0.04	0.04	-0.71	-4.99e-04	3.47e-06	2.92e-06
53	48	-0.04	-4.70e-03	-0.78	-7.26e-05	1.64e-05	0.0
53	68	-0.04	-0.02	-0.81	1.04e-04	1.67e-06	0.0
53	71	-0.04	0.03	-0.72	-3.97e-04	0.0	2.05e-06
53	74	-0.06	5.00e-03	-1.21	-2.23e-04	1.72e-04	2.00e-05
53	78	-0.05	3.73e-03	-0.89	-1.68e-04	4.20e-05	5.47e-06
53	80	-0.05	3.88e-03	-0.88	-1.70e-04	1.74e-04	2.02e-05
53	82	-0.04	3.41e-03	-0.79	-1.53e-04	4.25e-05	5.50e-06
54	2	-0.09	2.05e-05	-1.77	4.15e-06	2.83e-04	1.31e-06
54	5	-0.06	1.82e-03	-1.11	-7.97e-05	3.85e-04	3.11e-06
54	16	-0.04	-0.01	-0.79	6.75e-05	3.09e-05	-2.03e-06
54	36	-0.04	-0.03	-0.80	2.89e-04	6.31e-06	-3.05e-06
54	39	-0.04	0.04	-0.76	-3.49e-04	5.25e-06	2.22e-06
54	48	-0.04	-7.12e-03	-0.79	3.91e-05	1.66e-05	-1.38e-06
54	68	-0.04	-0.02	-0.79	1.97e-04	1.93e-06	-2.19e-06
54	71	-0.04	0.03	-0.77	-2.57e-04	1.29e-06	1.54e-06



54	74	-0.06	9.26e-05	-1.24	0.0	1.89e-04	0.0
54	75	-0.04	1.29e-03	-0.79	-5.67e-05	2.56e-04	2.08e-06
54	78	-0.05	5.02e-04	-0.91	-2.16e-05	4.70e-05	0.0
54	79	-0.04	1.22e-03	-0.75	-5.40e-05	1.91e-04	1.56e-06
54	81	-0.03	1.07e-03	-0.66	-4.83e-05	4.82e-05	0.0
54	82	-0.04	7.28e-04	-0.81	-3.23e-05	4.75e-05	0.0
55	2	-0.09	-7.97e-03	-1.74	3.73e-04	2.82e-04	-3.41e-06
55	23	-0.04	8.78e-03	-0.79	7.95e-06	3.08e-05	1.61e-06
55	36	-0.04	-0.04	-0.76	4.25e-04	5.16e-06	-2.64e-06
55	39	-0.04	0.03	-0.79	-2.13e-04	6.21e-06	2.63e-06
55	55	-0.04	5.53e-03	-0.78	3.63e-05	1.65e-05	0.0
55	68	-0.04	-0.03	-0.76	3.33e-04	1.19e-06	-1.96e-06
55	71	-0.04	0.02	-0.79	-1.21e-04	1.83e-06	1.77e-06
55	74	-0.06	-5.39e-03	-1.22	2.52e-04	1.89e-04	-2.28e-06
55	78	-0.05	-3.15e-03	-0.90	1.47e-04	4.69e-05	0.0
55	82	-0.04	-2.32e-03	-0.80	1.08e-04	4.74e-05	0.0
56	2	-0.09	-0.01	-1.66	6.73e-04	2.56e-04	-3.12e-05
56	23	-0.04	6.51e-03	-0.77	1.14e-04	3.09e-05	-1.68e-06
56	36	-0.04	-0.04	-0.69	5.70e-04	3.23e-06	-3.18e-06
56	39	-0.04	0.03	-0.81	-1.34e-04	6.03e-06	1.04e-06
56	55	-0.04	3.20e-03	-0.77	1.43e-04	1.62e-05	-1.11e-06
56	68	-0.04	-0.03	-0.71	4.68e-04	0.0	-2.31e-06
56	71	-0.04	0.02	-0.79	-3.29e-05	1.43e-06	0.0
56	74	-0.06	-9.98e-03	-1.17	4.58e-04	1.71e-04	-2.09e-05
56	78	-0.05	-6.22e-03	-0.86	2.86e-04	4.16e-05	-5.89e-06
56	80	-0.05	-5.37e-03	-0.87	2.41e-04	1.73e-04	-2.04e-05
56	82	-0.04	-4.91e-03	-0.78	2.24e-04	4.23e-05	-5.76e-06
57	2	-0.11	6.04e-03	-1.52	-3.01e-04	7.95e-04	3.28e-05
57	16	-0.05	-8.09e-03	-0.70	-5.52e-05	3.36e-04	6.60e-06
57	34	-0.05	-0.03	-0.76	1.83e-04	3.26e-04	-5.28e-06
57	39	-0.05	0.04	-0.64	-4.66e-04	2.85e-04	2.46e-05
57	48	-0.05	-4.81e-03	-0.70	-7.97e-05	3.25e-04	7.31e-06
57	66	-0.05	-0.02	-0.74	8.84e-05	3.21e-04	0.0
57	71	-0.05	0.03	-0.66	-3.74e-04	2.90e-04	2.02e-05
57	74	-0.08	4.24e-03	-1.06	-2.10e-04	5.53e-04	2.27e-05
57	78	-0.06	3.38e-03	-0.80	-1.62e-04	3.74e-04	1.31e-05
57	80	-0.06	3.37e-03	-0.76	-1.54e-04	4.25e-04	1.99e-05
57	82	-0.05	3.14e-03	-0.71	-1.47e-04	3.38e-04	1.23e-05
58	2	-0.11	-6.45e-04	-1.55	1.16e-06	8.19e-04	-8.56e-06
58	5	-0.07	1.57e-03	-0.91	-6.85e-05	6.09e-04	-2.11e-06
58	16	-0.05	-0.01	-0.70	4.80e-05	3.38e-04	-8.86e-06
58	34	-0.05	-0.03	-0.74	2.63e-04	3.16e-04	-1.97e-05
58	39	-0.05	0.04	-0.69	-3.21e-04	3.10e-04	1.48e-05
58	48	-0.05	-7.17e-03	-0.71	2.62e-05	3.28e-04	-6.95e-06
58	66	-0.05	-0.02	-0.73	1.78e-04	3.16e-04	-1.48e-05
58	71	-0.05	0.03	-0.70	-2.38e-04	3.10e-04	9.80e-06
58	74	-0.08	-3.54e-04	-1.08	-2.64e-06	5.70e-04	-5.83e-06
58	75	-0.05	1.12e-03	-0.66	-4.90e-05	4.29e-04	-1.54e-06
58	78	-0.06	2.94e-04	-0.82	-2.30e-05	3.84e-04	-3.54e-06
58	79	-0.05	1.09e-03	-0.64	-4.80e-05	3.86e-04	-1.48e-06
58	80	-0.06	6.56e-04	-0.77	-3.44e-05	4.41e-04	-2.79e-06
58	81	-0.04	1.02e-03	-0.60	-4.57e-05	2.92e-04	-1.37e-06
58	82	-0.05	5.83e-04	-0.73	-3.21e-05	3.47e-04	-2.67e-06
59	2	-0.11	-8.19e-03	-1.52	3.48e-04	8.08e-04	-3.32e-06
59	23	-0.05	8.62e-03	-0.70	2.18e-05	3.36e-04	6.49e-06
59	36	-0.05	-0.04	-0.69	3.91e-04	3.08e-04	-1.72e-05
59	37	-0.05	0.03	-0.73	-1.93e-04	3.14e-04	1.73e-05
59	55	-0.05	5.40e-03	-0.70	4.36e-05	3.26e-04	4.58e-06
59	68	-0.05	-0.03	-0.69	3.08e-04	3.08e-04	-1.22e-05
59	69	-0.05	0.02	-0.72	-1.08e-04	3.14e-04	1.24e-05
59	74	-0.08	-5.54e-03	-1.07	2.35e-04	5.63e-04	-2.08e-06
59	78	-0.06	-3.24e-03	-0.81	1.39e-04	3.80e-04	0.0
59	80	-0.06	-2.42e-03	-0.77	1.04e-04	4.39e-04	0.0
59	82	-0.05	-2.35e-03	-0.72	1.02e-04	3.45e-04	0.0
60	2	-0.11	-0.01	-1.45	6.27e-04	7.65e-04	-4.24e-05
60	23	-0.05	6.41e-03	-0.68	1.20e-04	3.30e-04	-8.52e-06
60	36	-0.05	-0.04	-0.63	5.32e-04	2.79e-04	-2.65e-05
60	37	-0.05	0.03	-0.74	-1.18e-04	3.21e-04	3.36e-06
60	55	-0.05	3.14e-03	-0.69	1.45e-04	3.19e-04	-9.23e-06
60	68	-0.05	-0.03	-0.64	4.39e-04	2.84e-04	-2.21e-05
60	69	-0.05	0.02	-0.73	-2.31e-05	3.15e-04	0.0
60	74	-0.08	-9.81e-03	-1.02	4.27e-04	5.33e-04	-2.91e-05
60	78	-0.06	-6.17e-03	-0.78	2.71e-04	3.65e-04	-1.63e-05
60	80	-0.06	-5.05e-03	-0.74	2.19e-04	4.19e-04	-2.19e-05
60	82	-0.05	-4.81e-03	-0.70	2.12e-04	3.32e-04	-1.43e-05
61	2	-0.13	5.36e-03	-1.10	-3.01e-04	1.24e-03	3.70e-05
61	34	-0.06	-0.03	-0.56	9.59e-05	6.04e-04	-1.17e-05
61	36	-0.06	-0.03	-0.55	9.00e-05	6.11e-04	-1.13e-05
61	39	-0.05	0.03	-0.48	-3.67e-04	5.19e-04	4.35e-05
61	66	-0.06	-0.02	-0.55	2.82e-05	5.92e-04	-3.79e-06



61	68	-0.06	-0.02	-0.54	2.47e-05	5.96e-04	-3.53e-06
61	71	-0.05	0.02	-0.49	-3.01e-04	5.31e-04	3.55e-05
61	74	-0.09	3.75e-03	-0.77	-2.09e-04	8.68e-04	2.58e-05
61	78	-0.07	3.02e-03	-0.59	-1.58e-04	6.48e-04	1.86e-05
61	80	-0.07	2.94e-03	-0.54	-1.42e-04	6.28e-04	2.07e-05
61	82	-0.06	2.78e-03	-0.52	-1.39e-04	5.79e-04	1.71e-05
62	2	-0.13	-7.34e-04	-1.13	-2.53e-05	1.26e-03	-1.99e-05
62	5	-0.09	1.31e-03	-0.63	-5.90e-05	7.79e-04	-7.47e-06
62	14	-0.05	-7.37e-03	-0.56	3.73e-05	5.64e-04	-1.46e-05
62	16	-0.06	-8.41e-03	-0.52	1.82e-05	5.85e-04	-1.69e-05
62	39	-0.05	0.03	-0.52	-2.37e-04	5.57e-04	2.50e-05
62	46	-0.05	-5.18e-03	-0.55	1.56e-05	5.67e-04	-1.24e-05
62	48	-0.06	-5.80e-03	-0.52	4.26e-06	5.79e-04	-1.37e-05
62	71	-0.05	0.02	-0.52	-1.79e-04	5.60e-04	1.59e-05
62	74	-0.09	-4.25e-04	-0.79	-1.99e-05	8.79e-04	-1.36e-05
62	75	-0.06	9.40e-04	-0.46	-4.24e-05	5.61e-04	-5.34e-06
62	78	-0.07	2.01e-04	-0.61	-3.00e-05	6.57e-04	-8.44e-06
62	79	-0.06	9.19e-04	-0.45	-4.20e-05	5.38e-04	-4.95e-06
62	80	-0.07	5.16e-04	-0.55	-3.54e-05	6.40e-04	-7.56e-06
62	81	-0.05	8.73e-04	-0.44	-4.10e-05	4.86e-04	-4.09e-06
62	82	-0.06	4.70e-04	-0.54	-3.44e-05	5.89e-04	-6.70e-06
63	2	-0.13	-7.46e-03	-1.11	2.91e-04	1.24e-03	-2.52e-06
63	21	-0.05	5.73e-03	-0.55	1.58e-05	5.60e-04	1.01e-05
63	23	-0.06	6.77e-03	-0.51	3.49e-05	5.81e-04	1.24e-05
63	36	-0.05	-0.03	-0.51	2.90e-04	5.53e-04	-2.94e-05
63	53	-0.05	3.54e-03	-0.54	3.75e-05	5.63e-04	7.87e-06
63	55	-0.06	4.16e-03	-0.52	4.88e-05	5.75e-04	9.24e-06
63	68	-0.05	-0.02	-0.52	2.32e-04	5.56e-04	-2.04e-05
63	74	-0.09	-5.04e-03	-0.78	1.97e-04	8.66e-04	-1.31e-06
63	78	-0.06	-2.93e-03	-0.60	1.18e-04	6.50e-04	0.0
63	80	-0.07	-2.15e-03	-0.55	8.84e-05	6.36e-04	3.07e-06
63	82	-0.06	-2.11e-03	-0.53	8.75e-05	5.85e-04	2.22e-06
64	2	-0.13	-0.01	-1.05	5.45e-04	1.18e-03	-5.52e-05
64	36	-0.05	-0.03	-0.47	4.16e-04	5.08e-04	-4.71e-05
64	37	-0.06	0.02	-0.55	-4.70e-05	5.93e-04	8.10e-06
64	39	-0.06	0.02	-0.54	-4.11e-05	5.99e-04	7.67e-06
64	68	-0.05	-0.02	-0.48	3.50e-04	5.20e-04	-3.91e-05
64	69	-0.06	0.02	-0.54	2.07e-05	5.81e-04	0.0
64	71	-0.06	0.02	-0.53	2.42e-05	5.85e-04	0.0
64	74	-0.09	-8.91e-03	-0.74	3.72e-04	8.31e-04	-3.80e-05
64	78	-0.07	-5.59e-03	-0.57	2.40e-04	6.29e-04	-2.46e-05
64	80	-0.07	-4.49e-03	-0.53	1.91e-04	6.16e-04	-2.43e-05
64	82	-0.06	-4.33e-03	-0.51	1.88e-04	5.68e-04	-2.07e-05
65	2	-0.15	3.30e-03	-0.55	-2.77e-04	1.40e-03	3.58e-05
65	34	-0.07	-0.01	-0.28	-7.77e-06	7.21e-04	-2.30e-05
65	36	-0.07	-0.01	-0.28	-1.15e-05	7.03e-04	-2.36e-05
65	39	-0.06	0.02	-0.24	-2.26e-04	6.16e-04	5.59e-05
65	66	-0.07	-9.70e-03	-0.28	-3.99e-05	7.04e-04	-1.18e-05
65	68	-0.07	-9.81e-03	-0.27	-4.21e-05	6.94e-04	-1.21e-05
65	71	-0.06	0.01	-0.25	-1.95e-04	6.32e-04	4.45e-05
65	74	-0.11	2.29e-03	-0.39	-1.92e-04	9.83e-04	2.48e-05
65	78	-0.08	1.81e-03	-0.30	-1.39e-04	7.58e-04	1.87e-05
65	80	-0.08	1.66e-03	-0.26	-1.21e-04	6.84e-04	1.65e-05
65	82	-0.07	1.63e-03	-0.26	-1.19e-04	6.72e-04	1.63e-05
66	2	-0.15	-5.54e-04	-0.58	-5.91e-05	1.48e-03	-3.16e-05
66	4	-0.13	-7.77e-04	-0.50	-4.46e-05	1.26e-03	-2.90e-05
66	14	-0.06	-4.12e-03	-0.29	-2.36e-06	7.33e-04	-2.17e-05
66	16	-0.07	-4.76e-03	-0.27	-1.37e-05	6.79e-04	-2.44e-05
66	39	-0.06	0.02	-0.27	-1.26e-04	6.79e-04	2.81e-05
66	46	-0.06	-2.91e-03	-0.28	-1.26e-05	7.21e-04	-1.88e-05
66	48	-0.07	-3.28e-03	-0.27	-1.94e-05	6.88e-04	-2.04e-05
66	71	-0.06	0.01	-0.27	-1.00e-04	6.86e-04	1.69e-05
66	74	-0.10	-3.36e-04	-0.41	-4.19e-05	1.03e-03	-2.18e-05
66	75	-0.07	4.95e-04	-0.22	-3.43e-05	5.92e-04	-1.02e-05
66	78	-0.07	7.30e-05	-0.31	-3.74e-05	7.96e-04	-1.42e-05
66	79	-0.07	4.93e-04	-0.22	-3.41e-05	5.86e-04	-9.51e-06
66	80	-0.08	2.44e-04	-0.28	-3.64e-05	7.20e-04	-1.32e-05
66	81	-0.06	4.87e-04	-0.22	-3.35e-05	5.72e-04	-8.00e-06
66	82	-0.07	2.39e-04	-0.28	-3.59e-05	7.06e-04	-1.17e-05
67	2	-0.15	-4.87e-03	-0.57	1.98e-04	1.45e-03	0.0
67	21	-0.06	3.04e-03	-0.29	3.02e-05	7.28e-04	1.53e-05
67	23	-0.07	3.67e-03	-0.26	4.15e-05	6.74e-04	1.81e-05
67	36	-0.06	-0.02	-0.27	1.54e-04	6.74e-04	-3.44e-05
67	53	-0.06	1.82e-03	-0.28	4.04e-05	7.16e-04	1.25e-05
67	55	-0.06	2.20e-03	-0.27	4.72e-05	6.83e-04	1.41e-05
67	68	-0.06	-0.01	-0.27	1.28e-04	6.81e-04	-2.32e-05
67	74	-0.10	-3.28e-03	-0.40	1.35e-04	1.02e-03	0.0
67	78	-0.07	-1.88e-03	-0.31	8.38e-05	7.88e-04	3.63e-06
67	80	-0.08	-1.33e-03	-0.28	6.43e-05	7.15e-04	6.88e-06
67	82	-0.07	-1.32e-03	-0.28	6.37e-05	7.02e-04	5.38e-06



68	2	-0.15	-8.36e-03	-0.52	4.00e-04	1.34e-03	-6.14e-05
68	36	-0.06	-0.02	-0.24	2.50e-04	6.03e-04	-6.11e-05
68	37	-0.07	0.01	-0.28	3.23e-05	7.07e-04	1.79e-05
68	39	-0.07	0.01	-0.27	3.60e-05	6.90e-04	1.85e-05
68	68	-0.06	-0.01	-0.24	2.20e-04	6.19e-04	-4.96e-05
68	69	-0.07	8.69e-03	-0.27	6.44e-05	6.91e-04	6.68e-06
68	71	-0.07	8.80e-03	-0.27	6.67e-05	6.81e-04	6.99e-06
68	74	-0.11	-5.67e-03	-0.37	2.73e-04	9.38e-04	-4.19e-05
68	78	-0.08	-3.50e-03	-0.29	1.80e-04	7.35e-04	-2.72e-05
68	80	-0.08	-2.67e-03	-0.26	1.45e-04	6.70e-04	-2.16e-05
68	82	-0.07	-2.64e-03	-0.26	1.44e-04	6.59e-04	-2.14e-05
69	1	-0.10	0.0	0.0	-4.54e-06	6.55e-04	2.75e-05
69	2	-0.17	0.0	0.0	-9.83e-06	1.33e-03	7.18e-05
69	9	-0.07	0.0	0.0	-5.41e-06	6.60e-04	4.27e-05
69	36	-0.08	0.0	0.0	1.81e-06	6.49e-04	-1.17e-05
69	41	-0.07	0.0	0.0	-5.08e-06	6.48e-04	3.88e-05
69	68	-0.08	0.0	0.0	0.0	6.46e-04	0.0
69	73	-0.08	0.0	0.0	-3.27e-06	4.81e-04	1.98e-05
69	74	-0.12	0.0	0.0	-6.79e-06	9.28e-04	4.94e-05
69	77	-0.06	0.0	0.0	-3.17e-06	4.94e-04	2.06e-05
69	80	-0.09	0.0	0.0	-4.32e-06	6.15e-04	2.87e-05
69	81	-0.06	0.0	0.0	-3.17e-06	4.94e-04	2.06e-05
69	82	-0.08	0.0	0.0	-4.23e-06	6.28e-04	2.94e-05
70	1	-0.10	0.0	0.0	-1.06e-06	8.09e-04	-7.00e-06
70	2	-0.15	0.0	0.0	-1.85e-06	1.61e-03	-2.34e-05
70	9	-0.06	0.0	0.0	-1.44e-06	7.90e-04	6.74e-06
70	16	-0.07	0.0	0.0	0.0	7.30e-04	-2.04e-05
70	41	-0.06	0.0	0.0	-1.29e-06	7.77e-04	2.71e-06
70	48	-0.07	0.0	0.0	0.0	7.42e-04	-1.63e-05
70	73	-0.07	0.0	0.0	0.0	5.92e-04	-5.06e-06
70	74	-0.11	0.0	0.0	-1.29e-06	1.13e-03	-1.60e-05
70	77	-0.06	0.0	0.0	0.0	5.97e-04	-3.83e-06
70	80	-0.08	0.0	0.0	0.0	7.53e-04	-8.34e-06
70	81	-0.06	0.0	0.0	0.0	5.97e-04	-3.83e-06
70	82	-0.07	0.0	0.0	0.0	7.58e-04	-7.11e-06
71	1	-0.10	0.0	0.0	1.06e-06	8.09e-04	7.00e-06
71	2	-0.15	0.0	0.0	3.63e-06	1.58e-03	-2.07e-05
71	9	-0.06	0.0	0.0	0.0	7.86e-04	1.09e-05
71	23	-0.07	0.0	0.0	0.0	7.22e-04	1.16e-05
71	41	-0.06	0.0	0.0	0.0	7.73e-04	7.03e-06
71	55	-0.07	0.0	0.0	0.0	7.34e-04	7.46e-06
71	73	-0.07	0.0	0.0	0.0	5.92e-04	5.06e-06
71	74	-0.11	0.0	0.0	2.48e-06	1.10e-03	-1.34e-05
71	77	-0.06	0.0	0.0	0.0	5.97e-04	3.83e-06
71	80	-0.08	0.0	0.0	1.28e-06	7.45e-04	0.0
71	81	-0.06	0.0	0.0	0.0	5.97e-04	3.83e-06
71	82	-0.07	0.0	0.0	1.26e-06	7.50e-04	-1.72e-06
72	1	-0.10	0.0	0.0	4.54e-06	6.55e-04	-2.75e-05
72	2	-0.16	0.0	0.0	1.35e-05	1.24e-03	-9.41e-05
72	9	-0.07	0.0	0.0	3.59e-06	6.52e-04	-2.30e-05
72	39	-0.08	0.0	0.0	-1.06e-06	6.33e-04	7.20e-06
72	41	-0.07	0.0	0.0	3.97e-06	6.39e-04	-2.61e-05
72	71	-0.08	0.0	0.0	0.0	6.30e-04	-4.73e-06
72	73	-0.08	0.0	0.0	3.27e-06	4.81e-04	-1.98e-05
72	74	-0.11	0.0	0.0	9.27e-06	8.73e-04	-6.43e-05
72	77	-0.06	0.0	0.0	3.17e-06	4.94e-04	-2.06e-05
72	80	-0.09	0.0	0.0	5.07e-06	5.98e-04	-3.32e-05
72	81	-0.06	0.0	0.0	3.17e-06	4.94e-04	-2.06e-05
72	82	-0.08	0.0	0.0	4.97e-06	6.12e-04	-3.39e-05
73	1	-0.12	0.0	0.0	-6.20e-06	-1.02e-05	9.67e-05
73	2	-0.20	0.0	0.0	-9.46e-06	9.48e-05	1.67e-04
73	9	-0.07	0.0	0.0	-5.79e-06	1.39e-04	8.24e-05
73	36	-0.10	0.0	0.0	-1.67e-06	7.59e-05	3.66e-05
73	41	-0.08	0.0	0.0	-5.61e-06	1.24e-04	8.03e-05
73	68	-0.10	0.0	0.0	-2.67e-06	8.40e-05	4.73e-05
73	73	-0.09	0.0	0.0	-4.53e-06	0.0	6.99e-05
73	74	-0.14	0.0	0.0	-6.71e-06	6.97e-05	1.16e-04
73	77	-0.07	0.0	0.0	-4.47e-06	5.73e-05	6.26e-05
73	80	-0.10	0.0	0.0	-5.18e-06	2.07e-05	8.38e-05
73	81	-0.07	0.0	0.0	-4.47e-06	5.73e-05	6.26e-05
73	82	-0.09	0.0	0.0	-5.13e-06	7.83e-05	7.66e-05
74	2	-0.16	9.26e-03	-0.47	-1.50e-04	1.13e-03	-4.24e-05
74	34	-0.08	-0.01	-0.28	1.05e-04	6.24e-04	-6.14e-05
74	36	-0.09	-0.01	-0.27	1.10e-04	6.04e-04	-6.20e-05
74	39	-0.06	0.02	-0.18	-2.14e-04	4.88e-04	2.34e-05
74	66	-0.08	-7.45e-03	-0.26	5.94e-05	6.03e-04	-4.94e-05
74	68	-0.08	-7.55e-03	-0.26	6.21e-05	5.91e-04	-4.97e-05
74	71	-0.06	0.02	-0.19	-1.68e-04	5.08e-04	1.10e-05
74	74	-0.11	6.45e-03	-0.33	-1.01e-04	7.96e-04	-2.97e-05
74	78	-0.08	4.79e-03	-0.26	-6.76e-05	6.24e-04	-2.23e-05



74	80	-0.09	4.56e-03	-0.23	-4.39e-05	5.52e-04	-2.09e-05
74	82	-0.07	4.25e-03	-0.23	-5.13e-05	5.54e-04	-1.98e-05
75	2	-0.13	9.17e-03	-1.00	-3.44e-04	9.99e-04	6.19e-06
75	34	-0.07	-0.02	-0.58	1.47e-04	5.16e-04	-2.23e-05
75	36	-0.07	-0.03	-0.57	1.43e-04	5.07e-04	-2.26e-05
75	39	-0.05	0.03	-0.37	-4.40e-04	4.14e-04	2.72e-05
75	66	-0.06	-0.02	-0.55	6.17e-05	5.00e-04	-1.53e-05
75	68	-0.06	-0.02	-0.54	5.90e-05	4.95e-04	-1.54e-05
75	71	-0.05	0.03	-0.40	-3.57e-04	4.29e-04	2.00e-05
75	74	-0.09	6.38e-03	-0.70	-2.37e-04	7.00e-04	4.29e-06
75	78	-0.07	4.76e-03	-0.54	-1.74e-04	5.31e-04	2.83e-06
75	80	-0.07	4.65e-03	-0.49	-1.47e-04	4.99e-04	3.52e-06
75	82	-0.06	4.27e-03	-0.48	-1.48e-04	4.74e-04	2.61e-06
76	2	-0.11	0.01	-1.41	-3.34e-04	6.44e-04	0.0
76	28	-0.05	-0.03	-0.78	2.33e-04	2.91e-04	-1.11e-05
76	34	-0.05	-0.03	-0.80	2.52e-04	2.83e-04	-9.77e-06
76	39	-0.04	0.04	-0.51	-5.50e-04	2.37e-04	8.77e-06
76	60	-0.05	-0.02	-0.74	1.23e-04	2.82e-04	-8.04e-06
76	66	-0.05	-0.02	-0.75	1.37e-04	2.76e-04	-7.10e-06
76	71	-0.05	0.03	-0.55	-4.35e-04	2.43e-04	6.12e-06
76	74	-0.08	7.61e-03	-0.99	-2.31e-04	4.49e-04	0.0
76	78	-0.06	5.61e-03	-0.75	-1.72e-04	3.12e-04	0.0
76	80	-0.06	5.62e-03	-0.71	-1.52e-04	3.38e-04	0.0
76	82	-0.05	5.04e-03	-0.67	-1.49e-04	2.81e-04	0.0
77	2	-0.09	0.01	-1.63	-3.74e-04	1.63e-04	6.92e-06
77	12	-0.04	-6.56e-03	-0.77	-2.75e-05	2.23e-05	1.08e-06
77	36	-0.04	-0.03	-0.87	2.72e-04	1.68e-06	6.52e-06
77	39	-0.04	0.04	-0.57	-5.88e-04	1.61e-06	-6.43e-06
77	44	-0.04	-3.19e-03	-0.75	-6.53e-05	1.07e-05	0.0
77	68	-0.04	-0.02	-0.82	1.48e-04	-1.53e-06	4.75e-06
77	71	-0.04	0.03	-0.61	-4.64e-04	-1.42e-06	-4.46e-06
77	74	-0.06	8.44e-03	-1.14	-2.58e-04	1.09e-04	4.62e-06
77	78	-0.05	5.90e-03	-0.83	-1.87e-04	2.46e-05	1.46e-06
77	80	-0.04	6.25e-03	-0.83	-1.80e-04	1.12e-04	3.87e-06
77	82	-0.04	5.27e-03	-0.75	-1.64e-04	2.53e-05	1.24e-06
78	2	-0.06	0.02	-1.59	-5.05e-04	-3.55e-04	1.84e-05
78	6	-0.05	0.02	-1.51	-5.04e-04	-2.15e-04	2.06e-05
78	28	-0.03	-0.03	-0.79	2.35e-04	-2.96e-04	2.03e-05
78	31	-0.04	0.04	-0.52	-5.49e-04	-2.38e-04	-1.43e-05
78	35	-0.04	0.04	-0.52	-5.24e-04	-2.38e-04	-1.56e-05
78	60	-0.03	-0.02	-0.75	1.22e-04	-2.89e-04	1.54e-05
78	63	-0.03	0.03	-0.55	-4.36e-04	-2.49e-04	-9.26e-06
78	67	-0.03	0.03	-0.56	-4.19e-04	-2.48e-04	-1.02e-05
78	74	-0.04	0.01	-1.11	-3.46e-04	-2.56e-04	1.25e-05
78	76	-0.04	0.01	-1.05	-3.45e-04	-1.63e-04	1.39e-05
78	78	-0.04	7.12e-03	-0.78	-2.09e-04	-2.70e-04	5.68e-06
78	80	-0.03	9.19e-03	-0.83	-2.62e-04	-1.41e-04	1.03e-05
78	82	-0.03	6.34e-03	-0.70	-1.85e-04	-2.37e-04	5.05e-06
79	2	-0.04	0.03	-1.26	-1.08e-03	-1.07e-03	1.89e-05
79	6	-0.04	0.03	-1.24	-1.25e-03	-9.58e-04	2.31e-05
79	28	-0.02	-0.02	-0.56	1.16e-04	-5.31e-04	2.65e-05
79	31	-0.03	0.03	-0.37	-4.43e-04	-4.41e-04	-2.39e-05
79	39	-0.03	0.03	-0.38	-4.16e-04	-4.41e-04	-2.42e-05
79	60	-0.02	-9.56e-03	-0.53	3.46e-05	-5.16e-04	1.93e-05
79	63	-0.03	0.02	-0.40	-3.63e-04	-4.53e-04	-1.66e-05
79	71	-0.03	0.02	-0.40	-3.44e-04	-4.52e-04	-1.68e-05
79	74	-0.03	0.02	-0.88	-7.33e-04	-7.47e-04	1.27e-05
79	76	-0.03	0.02	-0.86	-8.45e-04	-6.74e-04	1.55e-05
79	78	-0.03	1.00e-02	-0.58	-3.19e-04	-5.57e-04	4.36e-06
79	80	-0.02	0.02	-0.68	-6.31e-04	-5.36e-04	1.14e-05
79	82	-0.02	8.97e-03	-0.52	-2.90e-04	-4.97e-04	3.98e-06
80	2	-0.04	0.03	-0.65	-1.23e-03	-1.58e-03	-2.40e-05
80	6	-0.04	0.03	-0.66	-1.51e-03	-1.61e-03	-2.60e-05
80	28	-9.61e-03	-5.43e-03	-0.27	5.58e-05	-5.97e-04	2.92e-05
80	31	-0.02	0.02	-0.18	-2.29e-04	-4.66e-04	-3.63e-05
80	60	-0.01	-2.40e-03	-0.26	1.37e-05	-5.74e-04	1.96e-05
80	63	-0.02	0.01	-0.19	-1.88e-04	-4.82e-04	-2.70e-05
80	74	-0.03	0.02	-0.45	-8.25e-04	-1.10e-03	-1.62e-05
80	76	-0.02	0.02	-0.46	-1.01e-03	-1.12e-03	-1.75e-05
80	80	-0.02	0.02	-0.36	-7.49e-04	-8.70e-04	-1.25e-05
80	82	-0.02	8.43e-03	-0.26	-2.65e-04	-6.16e-04	-6.17e-06
81	1	0.0	0.0	0.0	-2.09e-05	-7.99e-04	2.11e-05
81	9	0.0	0.0	0.0	-6.36e-06	-1.83e-04	6.90e-06
81	41	0.0	0.0	0.0	-5.97e-06	-1.96e-04	6.40e-06
81	73	0.0	0.0	0.0	-1.44e-05	-5.49e-04	1.44e-05
81	77	0.0	0.0	0.0	-7.10e-06	-2.71e-04	6.77e-06
81	81	0.0	0.0	0.0	-7.10e-06	-2.71e-04	6.77e-06
82	1	-0.12	0.0	0.0	6.20e-06	-1.02e-05	-9.67e-05
82	2	-0.19	0.0	0.0	1.15e-05	9.05e-05	-1.69e-04
82	9	-0.08	0.0	0.0	4.74e-06	1.20e-04	-6.18e-05



82	39	-0.10	0.0	0.0	2.08e-06	7.51e-05	-3.71e-05
82	41	-0.08	0.0	0.0	4.96e-06	1.11e-04	-6.57e-05
82	71	-0.09	0.0	0.0	3.08e-06	8.31e-05	-4.78e-05
82	73	-0.09	0.0	0.0	4.53e-06	0.0	-6.99e-05
82	74	-0.13	0.0	0.0	8.07e-06	6.68e-05	-1.18e-04
82	77	-0.07	0.0	0.0	4.47e-06	5.73e-05	-6.26e-05
82	80	-0.10	0.0	0.0	5.59e-06	1.98e-05	-8.44e-05
82	81	-0.07	0.0	0.0	4.47e-06	5.73e-05	-6.26e-05
82	82	-0.09	0.0	0.0	5.54e-06	7.74e-05	-7.71e-05
83	2	-0.16	-0.01	-0.41	2.81e-04	1.04e-03	2.78e-05
83	36	-0.06	-0.02	-0.17	2.41e-04	4.70e-04	-2.63e-05
83	37	-0.08	0.01	-0.27	-7.90e-05	6.06e-04	5.85e-05
83	39	-0.08	0.01	-0.26	-8.35e-05	5.86e-04	5.91e-05
83	68	-0.06	-0.02	-0.18	1.94e-04	4.90e-04	-1.39e-05
83	69	-0.08	6.55e-03	-0.25	-3.32e-05	5.85e-04	4.65e-05
83	71	-0.08	6.65e-03	-0.25	-3.59e-05	5.73e-04	4.68e-05
83	74	-0.11	-9.46e-03	-0.29	1.88e-04	7.36e-04	2.00e-05
83	78	-0.08	-6.29e-03	-0.24	1.11e-04	5.94e-04	1.75e-05
83	80	-0.08	-5.46e-03	-0.22	7.01e-05	5.34e-04	1.80e-05
83	82	-0.07	-5.15e-03	-0.22	7.75e-05	5.36e-04	1.69e-05
84	2	-0.13	-0.02	-0.89	5.76e-04	9.30e-04	-1.00e-05
84	36	-0.05	-0.03	-0.35	4.87e-04	4.00e-04	-2.80e-05
84	37	-0.07	0.02	-0.56	-1.01e-04	5.02e-04	2.15e-05
84	39	-0.07	0.02	-0.55	-9.61e-05	4.93e-04	2.19e-05
84	68	-0.05	-0.03	-0.38	4.03e-04	4.15e-04	-2.08e-05
84	69	-0.06	0.02	-0.53	-1.52e-05	4.87e-04	1.45e-05
84	71	-0.06	0.02	-0.52	-1.25e-05	4.81e-04	1.47e-05
84	74	-0.09	-0.01	-0.63	3.92e-04	6.54e-04	-6.84e-06
84	78	-0.07	-7.19e-03	-0.51	2.51e-04	5.08e-04	-4.11e-06
84	80	-0.07	-6.10e-03	-0.47	1.93e-04	4.86e-04	-4.29e-06
84	82	-0.06	-5.72e-03	-0.46	1.95e-04	4.60e-04	-3.38e-06
85	2	-0.11	-0.02	-1.28	6.46e-04	6.06e-04	0.0
85	31	-0.05	0.03	-0.75	-1.71e-04	2.84e-04	1.12e-05
85	36	-0.04	-0.04	-0.48	6.12e-04	2.29e-04	-8.74e-06
85	37	-0.05	0.03	-0.77	-1.90e-04	2.75e-04	9.80e-06
85	63	-0.05	0.02	-0.71	-6.05e-05	2.74e-04	8.07e-06
85	68	-0.05	-0.03	-0.53	4.97e-04	2.36e-04	-6.09e-06
85	69	-0.05	0.02	-0.73	-7.48e-05	2.69e-04	7.13e-06
85	74	-0.08	-0.01	-0.90	4.39e-04	4.24e-04	0.0
85	78	-0.06	-8.22e-03	-0.70	2.76e-04	3.00e-04	0.0
85	80	-0.06	-7.19e-03	-0.68	2.15e-04	3.31e-04	0.0
85	82	-0.05	-6.61e-03	-0.64	2.12e-04	2.73e-04	0.0
86	2	-0.09	-0.02	-1.48	7.10e-04	1.64e-04	-3.71e-06
86	19	-0.04	5.16e-03	-0.74	9.47e-05	2.25e-05	0.0
86	36	-0.04	-0.04	-0.54	6.55e-04	1.80e-06	7.07e-06
86	39	-0.04	0.03	-0.84	-2.05e-04	1.87e-06	-5.88e-06
86	51	-0.04	1.79e-03	-0.72	1.33e-04	1.09e-05	0.0
86	68	-0.04	-0.03	-0.58	5.32e-04	-1.23e-06	5.10e-06
86	71	-0.04	0.02	-0.79	-8.12e-05	-1.34e-06	-4.11e-06
86	74	-0.06	-0.01	-1.04	4.83e-04	1.10e-04	-2.49e-06
86	78	-0.05	-8.23e-03	-0.78	2.99e-04	2.49e-05	0.0
86	80	-0.04	-7.64e-03	-0.80	2.47e-04	1.12e-04	-3.23e-06
86	82	-0.04	-6.67e-03	-0.72	2.31e-04	2.55e-05	0.0
87	2	-0.06	-0.02	-1.46	8.11e-04	-3.16e-04	-1.34e-05
87	28	-0.04	-0.04	-0.49	6.10e-04	-2.31e-04	1.53e-05
87	31	-0.03	0.03	-0.76	-1.74e-04	-2.88e-04	-1.93e-05
87	40	-0.04	-0.04	-0.50	5.85e-04	-2.30e-04	1.66e-05
87	60	-0.03	-0.03	-0.53	4.97e-04	-2.41e-04	1.03e-05
87	63	-0.03	0.02	-0.72	-6.08e-05	-2.82e-04	-1.44e-05
87	72	-0.03	-0.03	-0.53	4.80e-04	-2.40e-04	1.12e-05
87	74	-0.04	-0.02	-1.02	5.50e-04	-2.30e-04	-9.13e-06
87	78	-0.04	-8.84e-03	-0.73	3.11e-04	-2.57e-04	-4.00e-06
87	80	-0.03	-0.01	-0.80	3.23e-04	-1.33e-04	-9.27e-06
87	82	-0.03	-7.38e-03	-0.67	2.46e-04	-2.29e-04	-4.04e-06
88	2	-0.05	-0.03	-1.16	1.30e-03	-9.95e-04	-1.44e-05
88	6	-0.04	-0.03	-1.17	1.41e-03	-9.08e-04	-2.00e-05
88	28	-0.03	-0.03	-0.35	4.87e-04	-4.27e-04	2.48e-05
88	31	-0.02	0.02	-0.54	-7.20e-05	-5.17e-04	-2.57e-05
88	36	-0.03	-0.03	-0.36	4.60e-04	-4.26e-04	2.51e-05
88	60	-0.03	-0.02	-0.38	4.07e-04	-4.38e-04	1.75e-05
88	63	-0.02	8.96e-03	-0.51	9.46e-06	-5.02e-04	-1.84e-05
88	68	-0.03	-0.02	-0.38	3.88e-04	-4.38e-04	1.77e-05
88	74	-0.03	-0.02	-0.81	8.80e-04	-6.99e-04	-9.72e-06
88	76	-0.03	-0.02	-0.82	9.47e-04	-6.40e-04	-1.34e-05
88	78	-0.03	-0.01	-0.54	3.92e-04	-5.33e-04	-2.87e-06
88	80	-0.02	-0.02	-0.66	6.75e-04	-5.21e-04	-1.05e-05
88	82	-0.02	-9.57e-03	-0.50	3.34e-04	-4.82e-04	-3.09e-06
89	2	-0.04	-0.03	-0.60	1.34e-03	-1.50e-03	2.90e-05
89	6	-0.04	-0.04	-0.62	1.59e-03	-1.56e-03	2.95e-05
89	28	-0.02	-0.02	-0.17	2.51e-04	-4.49e-04	3.73e-05



89	31	-9.69e-03	5.14e-03	-0.26	-3.33e-05	-5.80e-04	-2.82e-05
89	60	-0.02	-0.01	-0.18	2.11e-04	-4.65e-04	2.80e-05
89	63	-0.01	2.12e-03	-0.25	8.85e-06	-5.57e-04	-1.86e-05
89	74	-0.03	-0.02	-0.42	9.00e-04	-1.04e-03	1.95e-05
89	76	-0.03	-0.02	-0.43	1.07e-03	-1.08e-03	1.98e-05
89	80	-0.02	-0.02	-0.35	7.72e-04	-8.53e-04	1.35e-05
89	82	-0.02	-8.72e-03	-0.25	2.87e-04	-5.99e-04	7.17e-06
90	1	0.0	0.0	0.0	2.09e-05	-7.99e-04	-2.11e-05
90	9	0.0	0.0	0.0	4.33e-06	-1.82e-04	-4.22e-06
90	41	0.0	0.0	0.0	4.69e-06	-1.93e-04	-4.55e-06
90	73	0.0	0.0	0.0	1.44e-05	-5.49e-04	-1.44e-05
90	77	0.0	0.0	0.0	7.10e-06	-2.71e-04	-6.77e-06
90	81	0.0	0.0	0.0	7.10e-06	-2.71e-04	-6.77e-06
91	2	-0.05	0.01	-1.10	-1.08e-03	-1.70e-03	-2.50e-05
91	6	-0.05	0.02	-1.13	-1.26e-03	-1.58e-03	-3.76e-05
91	28	-0.03	-0.01	-0.42	4.16e-05	-8.27e-04	1.01e-05
91	31	-0.03	0.02	-0.32	-3.65e-04	-6.34e-04	1.69e-06
91	39	-0.03	0.02	-0.32	-3.45e-04	-6.38e-04	0.0
91	60	-0.03	-7.31e-03	-0.40	-1.73e-05	-7.97e-04	8.40e-06
91	63	-0.03	0.01	-0.33	-3.06e-04	-6.59e-04	3.08e-06
91	71	-0.03	0.01	-0.33	-2.92e-04	-6.63e-04	2.40e-06
91	74	-0.04	9.49e-03	-0.76	-7.29e-04	-1.19e-03	-1.64e-05
91	76	-0.03	0.01	-0.78	-8.49e-04	-1.10e-03	-2.47e-05
91	78	-0.03	5.05e-03	-0.47	-3.15e-04	-8.54e-04	0.0
91	80	-0.03	7.94e-03	-0.60	-6.39e-04	-8.74e-04	-1.77e-05
91	82	-0.03	4.60e-03	-0.43	-2.89e-04	-7.64e-04	0.0
92	2	-0.05	-0.02	-1.04	1.25e-03	-1.59e-03	9.65e-06
92	6	-0.05	-0.02	-1.08	1.38e-03	-1.50e-03	2.68e-05
92	28	-0.03	-0.02	-0.30	3.99e-04	-6.12e-04	-4.77e-06
92	31	-0.03	0.01	-0.40	-7.45e-06	-8.05e-04	-1.32e-05
92	36	-0.03	-0.02	-0.31	3.79e-04	-6.16e-04	-3.96e-06
92	60	-0.03	-0.01	-0.32	3.40e-04	-6.37e-04	-6.16e-06
92	63	-0.03	6.79e-03	-0.39	5.15e-05	-7.74e-04	-1.15e-05
92	68	-0.03	-0.01	-0.32	3.26e-04	-6.40e-04	-5.48e-06
92	74	-0.04	-0.01	-0.72	8.43e-04	-1.11e-03	6.14e-06
92	76	-0.03	-0.01	-0.75	9.29e-04	-1.05e-03	1.75e-05
92	78	-0.03	-5.92e-03	-0.45	3.72e-04	-8.17e-04	-4.84e-06
92	80	-0.03	-8.46e-03	-0.59	6.73e-04	-8.52e-04	1.46e-05
92	82	-0.03	-5.13e-03	-0.41	3.23e-04	-7.42e-04	-2.44e-06
93	2	-0.04	-0.01	-1.38	1.02e-03	-1.42e-03	-2.67e-05
93	6	-0.03	-0.01	-1.48	1.12e-03	-1.29e-03	-1.08e-05
93	16	-0.02	-7.37e-03	-0.39	2.08e-04	-6.66e-04	-1.15e-05
93	28	-0.02	-0.02	-0.36	3.24e-04	-6.19e-04	3.41e-06
93	31	-0.02	0.01	-0.42	-1.10e-05	-7.17e-04	-4.23e-05
93	48	-0.02	-5.98e-03	-0.39	1.93e-04	-6.63e-04	-1.41e-05
93	60	-0.02	-0.01	-0.37	2.76e-04	-6.31e-04	-3.41e-06
93	63	-0.02	8.20e-03	-0.41	3.78e-05	-7.00e-04	-3.58e-05
93	74	-0.03	-7.69e-03	-0.95	6.88e-04	-9.97e-04	-1.90e-05
93	76	-0.02	-7.78e-03	-1.01	7.53e-04	-9.08e-04	-8.42e-06
93	78	-0.02	-4.06e-03	-0.54	3.01e-04	-7.56e-04	-1.99e-05
93	80	-0.02	-5.61e-03	-0.79	5.41e-04	-7.35e-04	-5.52e-06
93	82	-0.02	-3.46e-03	-0.49	2.60e-04	-6.81e-04	-1.60e-05
94	2	-0.03	-5.04e-03	-1.53	4.78e-04	-1.39e-03	-5.60e-06
94	6	-0.03	-4.89e-03	-1.65	5.04e-04	-1.22e-03	0.0
94	16	-0.02	-5.79e-03	-0.42	1.22e-04	-6.97e-04	4.65e-06
94	19	-0.02	3.71e-03	-0.43	2.19e-05	-7.07e-04	-1.18e-05
94	28	-0.02	-0.02	-0.40	2.23e-04	-6.73e-04	1.93e-05
94	48	-0.02	-4.41e-03	-0.41	1.07e-04	-6.91e-04	2.08e-06
94	51	-0.02	2.28e-03	-0.42	3.77e-05	-6.98e-04	-9.16e-06
94	60	-0.02	-0.01	-0.40	1.80e-04	-6.75e-04	1.26e-05
94	74	-0.02	-3.42e-03	-1.05	3.22e-04	-9.80e-04	-3.79e-06
94	76	-0.02	-3.31e-03	-1.13	3.39e-04	-8.63e-04	0.0
94	78	-0.02	-1.76e-03	-0.58	1.42e-04	-7.68e-04	-3.70e-06
94	80	-0.02	-2.28e-03	-0.87	2.36e-04	-6.97e-04	1.75e-06
94	82	-0.02	-1.43e-03	-0.53	1.17e-04	-6.87e-04	-2.12e-06
95	2	-0.03	2.45e-03	-1.55	-2.81e-04	-1.42e-03	-1.15e-05
95	5	-0.02	3.19e-03	-1.38	-3.75e-04	-7.96e-04	-8.96e-06
95	6	-0.03	3.08e-03	-1.66	-3.67e-04	-1.23e-03	-1.26e-05
95	12	-0.02	-4.23e-03	-0.43	1.75e-05	-7.11e-04	8.34e-06
95	23	-0.02	5.27e-03	-0.42	-8.22e-05	-7.01e-04	-8.07e-06
95	31	-0.02	0.02	-0.41	-1.84e-04	-6.77e-04	-2.27e-05
95	44	-0.02	-2.80e-03	-0.42	1.64e-06	-7.02e-04	5.75e-06
95	55	-0.02	3.89e-03	-0.42	-6.76e-05	-6.95e-04	-5.49e-06
95	63	-0.02	0.01	-0.41	-1.40e-04	-6.79e-04	-1.60e-05
95	74	-0.02	1.69e-03	-1.06	-1.91e-04	-9.94e-04	-7.58e-06
95	75	-0.01	2.18e-03	-0.95	-2.53e-04	-5.81e-04	-5.89e-06
95	76	-0.02	2.10e-03	-1.14	-2.47e-04	-8.73e-04	-8.31e-06
95	78	-0.02	8.95e-04	-0.59	-7.60e-05	-7.75e-04	-1.99e-06
95	79	-0.01	1.79e-03	-0.79	-1.99e-04	-5.77e-04	-4.13e-06
95	80	-0.02	1.76e-03	-0.88	-1.96e-04	-7.02e-04	-5.17e-06



95	81	-0.02	9.48e-04	-0.45	-8.00e-05	-5.66e-04	0.0
95	82	-0.02	9.16e-04	-0.54	-7.76e-05	-6.91e-04	-1.30e-06
96	2	-0.04	8.67e-03	-1.42	-8.38e-04	-1.48e-03	1.21e-05
96	6	-0.03	9.61e-03	-1.51	-9.92e-04	-1.33e-03	0.0
96	23	-0.02	6.84e-03	-0.40	-1.72e-04	-6.79e-04	8.55e-06
96	28	-0.02	-0.01	-0.43	4.71e-05	-7.29e-04	3.93e-05
96	31	-0.02	0.02	-0.37	-2.88e-04	-6.32e-04	-6.34e-06
96	55	-0.02	5.45e-03	-0.40	-1.57e-04	-6.76e-04	1.12e-05
96	60	-0.02	-8.72e-03	-0.42	-1.66e-06	-7.13e-04	3.29e-05
96	63	-0.02	0.01	-0.38	-2.40e-04	-6.44e-04	0.0
96	74	-0.03	5.94e-03	-0.98	-5.67e-04	-1.04e-03	9.18e-06
96	76	-0.02	6.55e-03	-1.03	-6.69e-04	-9.38e-04	1.58e-06
96	78	-0.02	3.18e-03	-0.55	-2.41e-04	-7.77e-04	1.50e-05
96	80	-0.02	5.09e-03	-0.80	-5.05e-04	-7.47e-04	2.59e-06
96	82	-0.02	2.94e-03	-0.50	-2.23e-04	-6.94e-04	1.31e-05

Z	Nodo	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione
		-0.33	-0.61	-1.77	-1.58e-03	-2.67e-03	-4.61e-04
		0.03	0.58	0.0	1.66e-03	1.61e-03	4.81e-04

RZ	Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione
			daN	daN	daN	daN cm	daN cm	daN cm
	1	1	0.0	1.213e+04	-1.466e+05	0.0	0.0	0.0
	1	2	0.0	2.148e+04	-2.504e+05	0.0	0.0	0.0
	1	3	0.0	9101.64	-1.110e+05	0.0	0.0	0.0
	1	9	0.0	9921.73	-1.060e+05	0.0	0.0	0.0
	1	33	0.0	1.244e+04	-9.633e+04	0.0	0.0	0.0
	1	36	0.0	6599.75	-1.312e+05	0.0	0.0	0.0
	1	41	0.0	9839.31	-1.086e+05	0.0	0.0	0.0
	1	65	0.0	1.158e+04	-1.015e+05	0.0	0.0	0.0
	1	68	0.0	7457.93	-1.261e+05	0.0	0.0	0.0
	1	73	0.0	8754.25	-1.062e+05	0.0	0.0	0.0
	1	74	0.0	1.499e+04	-1.755e+05	0.0	0.0	0.0
	1	77	0.0	7943.69	-9.653e+04	0.0	0.0	0.0
	1	78	0.0	1.106e+04	-1.311e+05	0.0	0.0	0.0
	1	81	0.0	7943.69	-9.653e+04	0.0	0.0	0.0
	1	82	0.0	9813.76	-1.173e+05	0.0	0.0	0.0
	2	1	1.483e+05	3.081e+04	-2.166e+05	0.0	0.0	0.0
	2	3	1.244e+05	2.926e+04	-1.814e+05	0.0	0.0	0.0
	2	6	2.265e+05	4.302e+04	-3.194e+05	0.0	0.0	0.0
	2	9	7.848e+04	6417.48	-1.116e+05	0.0	0.0	0.0
	2	26	1.129e+05	259.04	-1.301e+05	0.0	0.0	0.0
	2	27	4.324e+04	9308.75	-9.496e+04	0.0	0.0	0.0
	2	41	7.707e+04	5912.47	-1.113e+05	0.0	0.0	0.0
	2	58	1.025e+05	1574.79	-1.248e+05	0.0	0.0	0.0
	2	59	5.365e+04	7993.00	-1.002e+05	0.0	0.0	0.0
	2	73	1.046e+05	2.093e+04	-1.530e+05	0.0	0.0	0.0
	2	74	1.584e+05	2.428e+04	-2.215e+05	0.0	0.0	0.0
	2	77	7.331e+04	8351.74	-1.083e+05	0.0	0.0	0.0
	2	80	1.208e+05	2.193e+04	-1.736e+05	0.0	0.0	0.0
	2	81	7.331e+04	8351.74	-1.083e+05	0.0	0.0	0.0
	2	82	8.945e+04	9357.48	-1.288e+05	0.0	0.0	0.0
	23	1	0.0	-1.213e+04	-1.466e+05	0.0	0.0	0.0
	23	2	0.0	-2.319e+04	-2.290e+05	0.0	0.0	0.0
	23	3	0.0	-9101.64	-1.110e+05	0.0	0.0	0.0
	23	9	0.0	-8840.58	-1.115e+05	0.0	0.0	0.0
	23	38	0.0	-1.278e+04	-9.205e+04	0.0	0.0	0.0
	23	39	0.0	-6943.61	-1.269e+05	0.0	0.0	0.0
	23	41	0.0	-9175.99	-1.112e+05	0.0	0.0	0.0
	23	70	0.0	-1.192e+04	-9.721e+04	0.0	0.0	0.0
	23	71	0.0	-7801.80	-1.218e+05	0.0	0.0	0.0
	23	73	0.0	-8754.25	-1.062e+05	0.0	0.0	0.0
	23	74	0.0	-1.613e+04	-1.612e+05	0.0	0.0	0.0
	23	77	0.0	-7943.69	-9.653e+04	0.0	0.0	0.0
	23	78	0.0	-1.163e+04	-1.240e+05	0.0	0.0	0.0
	23	81	0.0	-7943.69	-9.653e+04	0.0	0.0	0.0
	23	82	0.0	-1.016e+04	-1.130e+05	0.0	0.0	0.0
	24	1	1.483e+05	-3.081e+04	-2.166e+05	0.0	0.0	0.0
	24	3	1.244e+05	-2.926e+04	-1.814e+05	0.0	0.0	0.0
	24	6	2.077e+05	-4.522e+04	-3.044e+05	0.0	0.0	0.0
	24	9	9.055e+04	-3859.68	-1.163e+05	0.0	0.0	0.0
	24	29	1.075e+05	-886.75	-1.258e+05	0.0	0.0	0.0
	24	32	3.788e+04	-9936.47	-9.068e+04	0.0	0.0	0.0
	24	41	8.432e+04	-4332.49	-1.135e+05	0.0	0.0	0.0
	24	61	9.712e+04	-2202.51	-1.206e+05	0.0	0.0	0.0
	24	64	4.829e+04	-8620.72	-9.591e+04	0.0	0.0	0.0



24	73	1.046e+05	-2.093e+04	-1.530e+05	0.0	0.0	0.0
24	76	1.440e+05	-3.046e+04	-2.113e+05	0.0	0.0	0.0
24	77	7.331e+04	-8351.74	-1.083e+05	0.0	0.0	0.0
24	80	1.154e+05	-2.256e+04	-1.693e+05	0.0	0.0	0.0
24	81	7.331e+04	-8351.74	-1.083e+05	0.0	0.0	0.0
24	82	8.409e+04	-9985.19	-1.245e+05	0.0	0.0	0.0
37	1	-5.911e+04	-2.432e+04	-2.069e+04	0.0	0.0	0.0
37	3	-4.898e+04	-2.377e+04	-1.851e+04	0.0	0.0	0.0
37	6	-8.712e+04	-3.512e+04	-3.166e+04	0.0	0.0	0.0
37	9	-3.053e+04	-1376.20	-7514.61	0.0	0.0	0.0
37	26	-3.045e+04	-4412.85	-5598.38	0.0	0.0	0.0
37	27	-3.361e+04	455.84	-8770.66	0.0	0.0	0.0
37	41	-3.117e+04	-1535.76	-7431.64	0.0	0.0	0.0
37	58	-3.098e+04	-3705.63	-6070.22	0.0	0.0	0.0
37	59	-3.308e+04	-251.38	-8298.82	0.0	0.0	0.0
37	73	-4.184e+04	-1.634e+04	-1.428e+04	0.0	0.0	0.0
37	76	-6.045e+04	-2.348e+04	-2.156e+04	0.0	0.0	0.0
37	77	-3.043e+04	-5164.69	-7726.38	0.0	0.0	0.0
37	80	-4.759e+04	-1.722e+04	-1.612e+04	0.0	0.0	0.0
37	81	-3.043e+04	-5164.69	-7726.38	0.0	0.0	0.0
37	82	-3.618e+04	-6043.70	-9567.66	0.0	0.0	0.0
38	1	-5.673e+04	-5816.10	-1.653e+04	0.0	0.0	0.0
38	3	-4.660e+04	-5495.56	-1.476e+04	0.0	0.0	0.0
38	6	-8.315e+04	-8454.21	-2.560e+04	0.0	0.0	0.0
38	9	-3.033e+04	110.99	-5870.59	0.0	0.0	0.0
38	26	-3.108e+04	-5138.52	-5450.17	0.0	0.0	0.0
38	27	-3.280e+04	3036.70	-6318.11	0.0	0.0	0.0
38	41	-3.099e+04	-216.02	-5889.22	0.0	0.0	0.0
38	58	-3.139e+04	-3958.64	-5582.16	0.0	0.0	0.0
38	59	-3.249e+04	1856.82	-6186.12	0.0	0.0	0.0
38	73	-4.027e+04	-3951.87	-1.141e+04	0.0	0.0	0.0
38	76	-5.782e+04	-5696.42	-1.742e+04	0.0	0.0	0.0
38	77	-3.010e+04	-1610.67	-6210.22	0.0	0.0	0.0
38	80	-4.581e+04	-4243.46	-1.297e+04	0.0	0.0	0.0
38	81	-3.010e+04	-1610.67	-6210.22	0.0	0.0	0.0
38	82	-3.564e+04	-1902.26	-7774.91	0.0	0.0	0.0
39	1	-5.673e+04	5816.10	-1.653e+04	0.0	0.0	0.0
39	3	-4.660e+04	5495.56	-1.476e+04	0.0	0.0	0.0
39	6	-8.279e+04	8728.80	-2.502e+04	0.0	0.0	0.0
39	9	-3.003e+04	2447.09	-5473.12	0.0	0.0	0.0
39	29	-3.097e+04	5216.97	-5284.64	0.0	0.0	0.0
39	32	-3.269e+04	-2958.24	-6152.59	0.0	0.0	0.0
39	41	-3.074e+04	2054.50	-5559.38	0.0	0.0	0.0
39	61	-3.128e+04	4037.10	-5416.64	0.0	0.0	0.0
39	64	-3.238e+04	-1778.37	-6020.59	0.0	0.0	0.0
39	73	-4.027e+04	3951.87	-1.141e+04	0.0	0.0	0.0
39	76	-5.758e+04	5879.48	-1.704e+04	0.0	0.0	0.0
39	77	-3.010e+04	1610.67	-6210.22	0.0	0.0	0.0
39	80	-4.571e+04	4321.91	-1.281e+04	0.0	0.0	0.0
39	81	-3.010e+04	1610.67	-6210.22	0.0	0.0	0.0
39	82	-3.553e+04	1980.71	-7609.38	0.0	0.0	0.0
40	1	-5.911e+04	2.432e+04	-2.069e+04	0.0	0.0	0.0
40	3	-4.898e+04	2.377e+04	-1.851e+04	0.0	0.0	0.0
40	6	-8.616e+04	3.537e+04	-3.073e+04	0.0	0.0	0.0
40	9	-2.967e+04	2903.87	-6334.94	0.0	0.0	0.0
40	29	-3.018e+04	4484.53	-5331.72	0.0	0.0	0.0
40	32	-3.333e+04	-384.15	-8504.00	0.0	0.0	0.0
40	41	-3.048e+04	2639.82	-6519.32	0.0	0.0	0.0
40	61	-3.070e+04	3777.31	-5803.56	0.0	0.0	0.0
40	64	-3.281e+04	323.06	-8032.16	0.0	0.0	0.0
40	73	-4.184e+04	1.634e+04	-1.428e+04	0.0	0.0	0.0
40	76	-5.980e+04	2.364e+04	-2.093e+04	0.0	0.0	0.0
40	77	-3.043e+04	5164.69	-7726.38	0.0	0.0	0.0
40	80	-4.731e+04	1.729e+04	-1.585e+04	0.0	0.0	0.0
40	81	-3.043e+04	5164.69	-7726.38	0.0	0.0	0.0
40	82	-3.590e+04	6115.38	-9301.00	0.0	0.0	0.0
69	1	0.0	9933.04	-6931.41	0.0	0.0	0.0
69	2	0.0	1.396e+04	-1.561e+04	0.0	0.0	0.0
69	3	0.0	7889.75	-4923.76	0.0	0.0	0.0
69	9	0.0	5871.16	-6881.90	0.0	0.0	0.0
69	34	0.0	6989.46	-5207.34	0.0	0.0	0.0
69	35	0.0	5885.90	-8067.25	0.0	0.0	0.0
69	41	0.0	6088.98	-6820.20	0.0	0.0	0.0
69	66	0.0	6823.92	-5633.66	0.0	0.0	0.0
69	67	0.0	6051.43	-7640.94	0.0	0.0	0.0
69	73	0.0	7171.64	-5028.08	0.0	0.0	0.0
69	74	0.0	9854.45	-1.082e+04	0.0	0.0	0.0
69	77	0.0	6043.18	-4934.86	0.0	0.0	0.0
69	78	0.0	7384.59	-7828.76	0.0	0.0	0.0
69	81	0.0	6043.18	-4934.86	0.0	0.0	0.0



69	82	0.0	6848.02	-6671.20	0.0	0.0	0.0
70	1	0.0	3183.34	-5132.66	0.0	0.0	0.0
70	2	0.0	5123.75	-1.228e+04	0.0	0.0	0.0
70	7	0.0	2758.93	-3584.18	0.0	0.0	0.0
70	9	0.0	2604.30	-5311.78	0.0	0.0	0.0
70	33	0.0	4320.22	-5523.75	0.0	0.0	0.0
70	36	0.0	91.18	-4825.01	0.0	0.0	0.0
70	41	0.0	2507.16	-5265.19	0.0	0.0	0.0
70	65	0.0	3711.52	-5418.65	0.0	0.0	0.0
70	68	0.0	699.88	-4930.11	0.0	0.0	0.0
70	73	0.0	2297.20	-3730.20	0.0	0.0	0.0
70	74	0.0	3590.80	-8497.04	0.0	0.0	0.0
70	75	0.0	2457.06	-3725.49	0.0	0.0	0.0
70	77	0.0	1945.51	-3740.56	0.0	0.0	0.0
70	78	0.0	2592.31	-6123.98	0.0	0.0	0.0
70	79	0.0	2297.20	-3730.20	0.0	0.0	0.0
70	81	0.0	1945.51	-3740.56	0.0	0.0	0.0
70	82	0.0	2333.59	-5170.61	0.0	0.0	0.0
71	1	0.0	-3183.34	-5132.66	0.0	0.0	0.0
71	2	0.0	-3313.99	-1.145e+04	0.0	0.0	0.0
71	7	0.0	-2758.93	-3584.18	0.0	0.0	0.0
71	9	0.0	-1201.81	-4973.57	0.0	0.0	0.0
71	38	0.0	-3958.27	-5357.28	0.0	0.0	0.0
71	39	0.0	270.77	-4658.55	0.0	0.0	0.0
71	41	0.0	-1400.37	-4978.62	0.0	0.0	0.0
71	70	0.0	-3349.57	-5252.19	0.0	0.0	0.0
71	71	0.0	-337.93	-4763.64	0.0	0.0	0.0
71	73	0.0	-2297.20	-3730.20	0.0	0.0	0.0
71	74	0.0	-2384.30	-7942.14	0.0	0.0	0.0
71	75	0.0	-2457.06	-3725.49	0.0	0.0	0.0
71	77	0.0	-1945.51	-3740.56	0.0	0.0	0.0
71	78	0.0	-1989.06	-5846.53	0.0	0.0	0.0
71	79	0.0	-2297.20	-3730.20	0.0	0.0	0.0
71	81	0.0	-1945.51	-3740.56	0.0	0.0	0.0
71	82	0.0	-1971.64	-5004.15	0.0	0.0	0.0
72	1	0.0	-9933.04	-6931.41	0.0	0.0	0.0
72	2	0.0	-1.133e+04	-1.427e+04	0.0	0.0	0.0
72	3	0.0	-7889.75	-4923.76	0.0	0.0	0.0
72	9	0.0	-5839.26	-5936.31	0.0	0.0	0.0
72	37	0.0	-6464.29	-4939.26	0.0	0.0	0.0
72	40	0.0	-5360.73	-7799.17	0.0	0.0	0.0
72	41	0.0	-5888.69	-6073.79	0.0	0.0	0.0
72	69	0.0	-6298.76	-5365.57	0.0	0.0	0.0
72	72	0.0	-5526.27	-7372.85	0.0	0.0	0.0
72	73	0.0	-7171.64	-5028.08	0.0	0.0	0.0
72	74	0.0	-8103.90	-9922.25	0.0	0.0	0.0
72	77	0.0	-6043.18	-4934.86	0.0	0.0	0.0
72	78	0.0	-6509.31	-7381.94	0.0	0.0	0.0
72	81	0.0	-6043.18	-4934.86	0.0	0.0	0.0
72	82	0.0	-6322.86	-6403.11	0.0	0.0	0.0
73	1	0.0	4054.49	-37.20	0.0	0.0	0.0
73	4	0.0	6345.51	98.26	0.0	0.0	0.0
73	9	0.0	3150.71	20.41	0.0	0.0	0.0
73	34	0.0	2953.38	-148.87	0.0	0.0	0.0
73	35	0.0	3454.50	135.01	0.0	0.0	0.0
73	41	0.0	3176.55	13.16	0.0	0.0	0.0
73	66	0.0	3037.61	-106.91	0.0	0.0	0.0
73	67	0.0	3370.27	93.05	0.0	0.0	0.0
73	73	0.0	2928.68	-29.82	0.0	0.0	0.0
73	74	0.0	5121.56	56.87	0.0	0.0	0.0
73	77	0.0	2648.10	-32.11	0.0	0.0	0.0
73	78	0.0	3744.54	11.24	0.0	0.0	0.0
73	81	0.0	2648.10	-32.11	0.0	0.0	0.0
73	82	0.0	3305.97	-6.10	0.0	0.0	0.0
81	1	-3.247e+04	1.506e+04	549.58	0.0	0.0	0.0
81	8	-4.352e+04	2.024e+04	847.55	0.0	0.0	0.0
81	9	-1.337e+04	5508.79	43.10	0.0	0.0	0.0
81	25	-1.913e+04	7573.79	136.02	0.0	0.0	0.0
81	28	-3914.98	2282.26	-149.88	0.0	0.0	0.0
81	41	-1.289e+04	5367.21	27.57	0.0	0.0	0.0
81	57	-1.695e+04	6816.00	93.72	0.0	0.0	0.0
81	60	-6096.89	3040.05	-107.59	0.0	0.0	0.0
81	73	-2.251e+04	1.042e+04	363.08	0.0	0.0	0.0
81	76	-3.225e+04	1.487e+04	556.32	0.0	0.0	0.0
81	77	-1.278e+04	5669.52	72.51	0.0	0.0	0.0
81	80	-2.479e+04	1.140e+04	389.29	0.0	0.0	0.0
81	81	-1.278e+04	5669.52	72.51	0.0	0.0	0.0
81	82	-1.506e+04	6654.11	98.73	0.0	0.0	0.0
82	1	0.0	-4054.49	-37.20	0.0	0.0	0.0
82	4	0.0	-6181.16	179.66	0.0	0.0	0.0



82	9	0.0	-3037.56	-21.42	0.0	0.0	0.0
82	37	0.0	-2920.51	-132.59	0.0	0.0	0.0
82	40	0.0	-3421.63	151.29	0.0	0.0	0.0
82	41	0.0	-3089.28	-12.84	0.0	0.0	0.0
82	69	0.0	-3004.74	-90.63	0.0	0.0	0.0
82	72	0.0	-3337.40	109.33	0.0	0.0	0.0
82	73	0.0	-2928.68	-29.82	0.0	0.0	0.0
82	74	0.0	-5012.00	111.14	0.0	0.0	0.0
82	77	0.0	-2648.10	-32.11	0.0	0.0	0.0
82	78	0.0	-3689.76	38.37	0.0	0.0	0.0
82	81	0.0	-2648.10	-32.11	0.0	0.0	0.0
82	82	0.0	-3273.10	10.18	0.0	0.0	0.0
90	1	-3.247e+04	-1.506e+04	549.58	0.0	0.0	0.0
90	8	-4.412e+04	-2.058e+04	903.93	0.0	0.0	0.0
90	9	-8876.93	-3981.40	-37.74	0.0	0.0	0.0
90	30	-1.930e+04	-7672.33	152.12	0.0	0.0	0.0
90	31	-4086.61	-2380.80	-133.78	0.0	0.0	0.0
90	41	-9749.23	-4310.54	-23.42	0.0	0.0	0.0
90	62	-1.712e+04	-6914.54	109.83	0.0	0.0	0.0
90	63	-6268.52	-3138.59	-91.48	0.0	0.0	0.0
90	73	-2.251e+04	-1.042e+04	363.08	0.0	0.0	0.0
90	76	-3.265e+04	-1.510e+04	593.91	0.0	0.0	0.0
90	77	-1.278e+04	-5669.52	72.51	0.0	0.0	0.0
90	80	-2.496e+04	-1.150e+04	405.40	0.0	0.0	0.0
90	81	-1.278e+04	-5669.52	72.51	0.0	0.0	0.0
90	82	-1.523e+04	-6752.65	114.83	0.0	0.0	0.0

RZ	Nodo	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione
		-8.712e+04	-4.522e+04	-3.194e+05	0.0	0.0	0.0
		2.265e+05	4.302e+04	903.93	0.0	0.0	0.0

RZ	Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione
			daN	daN	daN	daN cm	daN cm	daN cm
	1	2	0.0	2.148e+04	-2.504e+05	0.0	0.0	0.0
		33	0.0	1.244e+04	-9.633e+04	0.0	0.0	0.0
		1	0.0	1.213e+04	-1.466e+05	0.0	0.0	0.0
		1	0.0	1.213e+04	-1.466e+05	0.0	0.0	0.0
		1	0.0	1.213e+04	-1.466e+05	0.0	0.0	0.0
		1	0.0	1.213e+04	-1.466e+05	0.0	0.0	0.0
		1	0.0	1.213e+04	-1.466e+05	0.0	0.0	0.0
	2	6	2.265e+05	4.302e+04	-3.194e+05	0.0	0.0	0.0
		27	4.324e+04	9308.75	-9.496e+04	0.0	0.0	0.0
		1	1.483e+05	3.081e+04	-2.166e+05	0.0	0.0	0.0
		1	1.483e+05	3.081e+04	-2.166e+05	0.0	0.0	0.0
		1	1.483e+05	3.081e+04	-2.166e+05	0.0	0.0	0.0
		1	1.483e+05	3.081e+04	-2.166e+05	0.0	0.0	0.0
	23	2	0.0	-2.319e+04	-2.290e+05	0.0	0.0	0.0
		38	0.0	-1.278e+04	-9.205e+04	0.0	0.0	0.0
		1	0.0	-1.213e+04	-1.466e+05	0.0	0.0	0.0
		1	0.0	-1.213e+04	-1.466e+05	0.0	0.0	0.0
		1	0.0	-1.213e+04	-1.466e+05	0.0	0.0	0.0
		1	0.0	-1.213e+04	-1.466e+05	0.0	0.0	0.0
	24	6	2.077e+05	-4.522e+04	-3.044e+05	0.0	0.0	0.0
		32	3.788e+04	-9936.47	-9.068e+04	0.0	0.0	0.0
		1	1.483e+05	-3.081e+04	-2.166e+05	0.0	0.0	0.0
		1	1.483e+05	-3.081e+04	-2.166e+05	0.0	0.0	0.0
		1	1.483e+05	-3.081e+04	-2.166e+05	0.0	0.0	0.0
		1	1.483e+05	-3.081e+04	-2.166e+05	0.0	0.0	0.0
	37	6	-8.712e+04	-3.512e+04	-3.166e+04	0.0	0.0	0.0
		26	-3.045e+04	-4412.85	-5598.38	0.0	0.0	0.0
		1	-5.911e+04	-2.432e+04	-2.069e+04	0.0	0.0	0.0
		1	-5.911e+04	-2.432e+04	-2.069e+04	0.0	0.0	0.0
		1	-5.911e+04	-2.432e+04	-2.069e+04	0.0	0.0	0.0
		1	-5.911e+04	-2.432e+04	-2.069e+04	0.0	0.0	0.0
	38	6	-8.315e+04	-8454.21	-2.560e+04	0.0	0.0	0.0
		26	-3.108e+04	-5138.52	-5450.17	0.0	0.0	0.0
		1	-5.673e+04	-5816.10	-1.653e+04	0.0	0.0	0.0
		1	-5.673e+04	-5816.10	-1.653e+04	0.0	0.0	0.0
		1	-5.673e+04	-5816.10	-1.653e+04	0.0	0.0	0.0
		1	-5.673e+04	-5816.10	-1.653e+04	0.0	0.0	0.0
	39	6	-8.279e+04	8728.80	-2.502e+04	0.0	0.0	0.0
		29	-3.097e+04	5216.97	-5284.64	0.0	0.0	0.0
		1	-5.673e+04	5816.10	-1.653e+04	0.0	0.0	0.0
		1	-5.673e+04	5816.10	-1.653e+04	0.0	0.0	0.0
		1	-5.673e+04	5816.10	-1.653e+04	0.0	0.0	0.0
		1	-5.673e+04	5816.10	-1.653e+04	0.0	0.0	0.0
	40	6	-8.616e+04	3.537e+04	-3.073e+04	0.0	0.0	0.0



	29	-3.018e+04	4484.53	-5331.72	0.0	0.0	0.0
	1	-5.911e+04	2.432e+04	-2.069e+04	0.0	0.0	0.0
	1	-5.911e+04	2.432e+04	-2.069e+04	0.0	0.0	0.0
	1	-5.911e+04	2.432e+04	-2.069e+04	0.0	0.0	0.0
	1	-5.911e+04	2.432e+04	-2.069e+04	0.0	0.0	0.0
69	2	0.0	1.396e+04	-1.561e+04	0.0	0.0	0.0
	3	0.0	7889.75	-4923.76	0.0	0.0	0.0
	1	0.0	9933.04	-6931.41	0.0	0.0	0.0
	1	0.0	9933.04	-6931.41	0.0	0.0	0.0
	1	0.0	9933.04	-6931.41	0.0	0.0	0.0
	1	0.0	9933.04	-6931.41	0.0	0.0	0.0
70	2	0.0	5123.75	-1.228e+04	0.0	0.0	0.0
	7	0.0	2758.93	-3584.18	0.0	0.0	0.0
	1	0.0	3183.34	-5132.66	0.0	0.0	0.0
	1	0.0	3183.34	-5132.66	0.0	0.0	0.0
	1	0.0	3183.34	-5132.66	0.0	0.0	0.0
71	1	0.0	3183.34	-5132.66	0.0	0.0	0.0
	2	0.0	-3313.99	-1.145e+04	0.0	0.0	0.0
	7	0.0	-2758.93	-3584.18	0.0	0.0	0.0
	1	0.0	-3183.34	-5132.66	0.0	0.0	0.0
	1	0.0	-3183.34	-5132.66	0.0	0.0	0.0
	1	0.0	-3183.34	-5132.66	0.0	0.0	0.0
72	1	0.0	-3183.34	-5132.66	0.0	0.0	0.0
	2	0.0	-1.133e+04	-1.427e+04	0.0	0.0	0.0
	3	0.0	-7889.75	-4923.76	0.0	0.0	0.0
	1	0.0	-9933.04	-6931.41	0.0	0.0	0.0
	1	0.0	-9933.04	-6931.41	0.0	0.0	0.0
	1	0.0	-9933.04	-6931.41	0.0	0.0	0.0
73	1	0.0	-9933.04	-6931.41	0.0	0.0	0.0
	34	0.0	2953.38	-148.87	0.0	0.0	0.0
	35	0.0	3454.50	135.01	0.0	0.0	0.0
	1	0.0	4054.49	-37.20	0.0	0.0	0.0
	1	0.0	4054.49	-37.20	0.0	0.0	0.0
	1	0.0	4054.49	-37.20	0.0	0.0	0.0
81	1	0.0	4054.49	-37.20	0.0	0.0	0.0
	28	-3914.98	2282.26	-149.88	0.0	0.0	0.0
	8	-4.352e+04	2.024e+04	847.55	0.0	0.0	0.0
	1	-3.247e+04	1.506e+04	549.58	0.0	0.0	0.0
	1	-3.247e+04	1.506e+04	549.58	0.0	0.0	0.0
	1	-3.247e+04	1.506e+04	549.58	0.0	0.0	0.0
	1	-3.247e+04	1.506e+04	549.58	0.0	0.0	0.0
82	37	0.0	-2920.51	-132.59	0.0	0.0	0.0
	4	0.0	-6181.16	179.66	0.0	0.0	0.0
	1	0.0	-4054.49	-37.20	0.0	0.0	0.0
	1	0.0	-4054.49	-37.20	0.0	0.0	0.0
	1	0.0	-4054.49	-37.20	0.0	0.0	0.0
	1	0.0	-4054.49	-37.20	0.0	0.0	0.0
90	31	-4086.61	-2380.80	-133.78	0.0	0.0	0.0
	8	-4.412e+04	-2.058e+04	903.93	0.0	0.0	0.0
	1	-3.247e+04	-1.506e+04	549.58	0.0	0.0	0.0
	1	-3.247e+04	-1.506e+04	549.58	0.0	0.0	0.0
	1	-3.247e+04	-1.506e+04	549.58	0.0	0.0	0.0
	1	-3.247e+04	-1.506e+04	549.58	0.0	0.0	0.0



# 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**

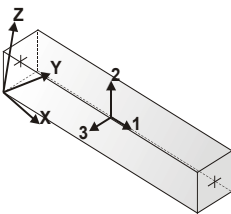
Per ogni elemento e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.

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


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



orientamento elementi 2D  
non verticali



orientamento elementi 2D  
verticali



Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2M 3
		daN	cm	cm	daN	cm	daN	daN	daN	daN cm	daN
cmdaN	cm										
1	2	2.033e+07	-3.102e+05	0.06	0.0	0.0	-1.440e+05	-1.900e+05	1439.02	2.553e+05	-
4.901e+05	2.033e+07										
		-3.426e+06	-4.901e+05	-9.19e-03	0.0	62.5	-1.427e+05	-1.900e+05	1439.02	2.553e+05	-
4.002e+05	8.452e+06										
						125.0	-1.415e+05	-1.900e+05	1439.02	2.553e+05	-3.102e+05
3.426e+06											
1	3	8.874e+06	-1.004e+05	0.04	0.0	0.0	-6.474e+04	-8.343e+04	414.31	7.689e+04	-
1.522e+05	8.874e+06										
		-1.555e+06	-1.522e+05	-2.90e-03	0.0	62.5	-6.380e+04	-8.343e+04	414.31	7.689e+04	-
1.263e+05	3.660e+06										
						125.0	-6.286e+04	-8.343e+04	414.31	7.689e+04	-1.004e+05
1.555e+06											
1	33	7.840e+06	-4.105e+05	0.02	0.0	0.0	-5.721e+04	-7.332e+04	1221.63	3.223e+05	-
5.583e+05	7.840e+06										
		-1.324e+06	-5.583e+05	-0.01	0.0	62.5	-5.627e+04	-7.332e+04	1221.63	3.223e+05	-
4.844e+05	3.258e+06										
						125.0	-5.534e+04	-7.332e+04	1221.63	3.223e+05	-4.105e+05
1.324e+06											
1	34	1.007e+07	1.599e+05	0.02	0.0	0.0	-7.295e+04	-9.454e+04	-71.72	-	-
1.147e+05	1.599e+05	1.007e+07									
		-1.746e+06	1.559e+05	2.54e-03	0.0	62.5	-7.202e+04	-9.454e+04	-71.72	-	-
1.147e+05	1.579e+05	4.162e+06									
						125.0	-7.108e+04	-9.454e+04	-71.72	-1.147e+05	1.559e+05
1.746e+06											
1	35	8.010e+06	-4.181e+05	0.02	0.0	0.0	-5.824e+04	-7.496e+04	1274.31	3.284e+05	-
5.724e+05	8.010e+06										
		-1.360e+06	-5.724e+05	-0.01	0.0	62.5	-5.730e+04	-7.496e+04	1274.31	3.284e+05	-
4.952e+05	3.325e+06										
						125.0	-5.637e+04	-7.496e+04	1274.31	3.284e+05	-4.181e+05
1.360e+06											
1	36	1.024e+07	1.483e+05	0.02	0.0	0.0	-7.398e+04	-9.618e+04	-19.04	-	-
1.087e+05	1.458e+05	1.024e+07									
		-1.783e+06	1.458e+05	2.31e-03	0.0	62.5	-7.304e+04	-9.618e+04	-19.04	-	-
1.087e+05	1.471e+05	4.229e+06									
						125.0	-7.211e+04	-9.618e+04	-19.04	-1.087e+05	1.483e+05
1.783e+06											
1	65	8.198e+06	-3.292e+05	0.02	0.0	0.0	-5.970e+04	-7.672e+04	1024.62	2.597e+05	-
4.547e+05	8.198e+06										
		-1.393e+06	-4.547e+05	-8.26e-03	0.0	62.5	-5.876e+04	-7.672e+04	1024.62	2.597e+05	-
3.919e+05	3.403e+06										
						125.0	-5.782e+04	-7.672e+04	1024.62	2.597e+05	-3.292e+05
1.393e+06											
1	66	9.785e+06	7.165e+04	0.02	0.0	0.0	-7.090e+04	-9.182e+04	146.37	-	-
4.977e+04	5.068e+04	9.785e+06									
		-1.693e+06	5.068e+04	6.37e-04	0.0	62.5	-6.996e+04	-9.182e+04	146.37	-	-
4.977e+04	6.116e+04	4.046e+06									
						125.0	-6.902e+04	-9.182e+04	146.37	-4.977e+04	7.165e+04
1.693e+06											
1	67	8.296e+06	-3.338e+05	0.02	0.0	0.0	-6.030e+04	-7.768e+04	1056.22	2.634e+05	-
4.632e+05	8.296e+06										
		-1.414e+06	-4.632e+05	-8.40e-03	0.0	62.5	-5.936e+04	-7.768e+04	1056.22	2.634e+05	-
3.985e+05	3.441e+06										
						125.0	-5.842e+04	-7.768e+04	1056.22	2.634e+05	-3.338e+05
1.414e+06											
1	68	9.883e+06	6.706e+04	0.02	0.0	0.0	-7.150e+04	-9.278e+04	177.97	-	-
4.612e+04	4.221e+04	9.883e+06									
		-1.714e+06	4.221e+04	4.99e-04	0.0	62.5	-7.056e+04	-9.278e+04	177.97	-	-
4.612e+04	5.464e+04	4.085e+06									
						125.0	-6.962e+04	-9.278e+04	177.97	-4.612e+04	6.706e+04
1.714e+06											
1	73	8.456e+06	-1.027e+05	0.03	0.0	0.0	-6.181e+04	-7.948e+04	435.42	8.009e+04	-
1.571e+05	8.456e+06										
		-1.479e+06	-1.571e+05	-2.98e-03	0.0	62.5	-6.087e+04	-7.948e+04	435.42	8.009e+04	-
1.299e+05	3.489e+06										
						125.0	-5.994e+04	-7.948e+04	435.42	8.009e+04	-1.027e+05
1.479e+06											
1	74	1.422e+07	-2.142e+05	0.04	0.0	0.0	-1.009e+05	-1.329e+05	991.96	1.759e+05	-
3.382e+05	1.422e+07										
		-2.401e+06	-3.382e+05	-6.34e-03	0.0	62.5	-9.998e+04	-1.329e+05	991.96	1.759e+05	-
2.762e+05	5.908e+06										
						125.0	-9.905e+04	-1.329e+05	991.96	1.759e+05	-2.142e+05
2.401e+06											
1	77	7.617e+06	-9.896e+04	0.02	0.0	0.0	-5.598e+04	-7.159e+04	434.62	7.860e+04	-
1.533e+05	7.617e+06										



1.261e+053.143e+06	-1.331e+06-1.533e+05	-2.90e-03	0.0	62.5-5.505e+04-7.159e+04	434.62	7.860e+04	-
1.331e+06				125.0-5.411e+04-7.159e+04	434.62	7.860e+04-9.896e+04	-
1 78 1.050e+07-1.547e+05	0.03	0.0	0.0	0.0-7.554e+04-9.831e+04	712.89	1.265e+05	-
2.438e+051.050e+07	-1.792e+06-2.438e+05	-4.58e-03	0.0	62.5-7.460e+04-9.831e+04	712.89	1.265e+05	-
1.993e+054.353e+06				125.0-7.366e+04-9.831e+04	712.89	1.265e+05-1.547e+05	-
1.792e+06				0.0-5.598e+04-7.159e+04	434.62	7.860e+04	-
1 81 7.617e+06-9.896e+04	0.02	0.0	0.0	62.5-5.505e+04-7.159e+04	434.62	7.860e+04	-
1.533e+057.617e+06	-1.331e+06-1.533e+05	-2.90e-03	0.0	125.0-5.411e+04-7.159e+04	434.62	7.860e+04-9.896e+04	-
1.261e+053.143e+06				0.0-6.772e+04-8.762e+04	601.58	1.073e+05	-
1.331e+06				62.5-6.678e+04-8.762e+04	601.58	1.073e+05	-
1 82 9.346e+06-1.324e+05	0.02	0.0	0.0	125.0-6.584e+04-8.762e+04	601.58	1.073e+05-1.324e+05	-
2.076e+059.346e+06	-1.607e+06-2.076e+05	-3.91e-03	0.0	0.0-1.893e+05 2.593e+05	6074.46	-9.874e+05-1.776e+06	-
1.700e+053.869e+06				62.5-1.881e+05 2.593e+05	6074.46	-9.874e+05-1.397e+06	-
1.607e+06				125.0-1.868e+05 2.593e+05	6074.46	-9.874e+05	-
2 2 3.667e+06-1.017e+06	-0.02	0.0	0.0	0.0-1.085e+05 1.475e+05	5045.04	-8.056e+05-1.432e+06	-
2.874e+07	-2.874e+07-1.776e+06	-0.03	0.0	62.5-1.076e+05 1.475e+05	5045.04	-8.056e+05-1.117e+06	-
1.254e+07				125.0-1.066e+05 1.475e+05	5045.04	-8.056e+05	-
1.017e+063.667e+06				0.0-5.831e+04 7.594e+04	1293.62	-3.473e+05-5.794e+05	-
2 3 2.078e+06-8.016e+05	8.66e-03	0.0	0.0	62.5-5.738e+04 7.594e+04	1293.62	-3.473e+05-5.009e+05	-
1.636e+07	-1.636e+07-1.432e+06	-0.03	0.0	125.0-5.644e+04 7.594e+04	1293.62	-3.473e+05	-
7.143e+06				0.0-7.659e+04 1.033e+05	-63.41	1.240e+05 1.510e+05	-
8.016e+052.078e+06				62.5-7.566e+04 1.033e+05	-63.41	1.240e+05 1.494e+05	-
2 6 3.652e+06-1.205e+06	-0.01	0.0	0.0	125.0-7.472e+04 1.033e+05	-		-
2.888e+07	-2.888e+07-2.130e+06	-0.04	0.0	0.0-5.675e+04 7.343e+04	1241.74	-3.414e+05-5.656e+05	-
1.262e+07				62.5-5.581e+04 7.343e+04	1241.74	-3.414e+05-4.903e+05	-
1.205e+063.652e+06				125.0-5.487e+04 7.343e+04	1241.74	-3.414e+05	-
2 25 1.270e+06-4.224e+05	-0.02	0.0	0.0	0.0-7.503e+04 1.008e+05	-115.29	1.299e+05 1.648e+05	-
8.223e+06	-8.223e+06-5.794e+05	-0.01	0.0	62.5-7.409e+04 1.008e+05	-115.29	1.299e+05 1.599e+05	-
3.477e+06				125.0-7.315e+04 1.008e+05	-		-
4.224e+051.270e+06				0.0-6.062e+04 7.935e+04	1066.41	-2.774e+05-4.683e+05	-
2 26 1.451e+06 1.510e+05	-0.02	0.0	0.0	62.5-5.968e+04 7.935e+04	1066.41	-2.774e+05-4.029e+05	-
1.146e+07	-1.146e+07 1.477e+05 2.38e-03		0.0	125.0-5.874e+04 7.935e+04	1066.41	-2.774e+05	-
5.004e+06				0.0-7.363e+04 9.880e+04	143.04	5.640e+04 4.542e+04	-
63.411.240e+051.477e+051.451e+06				62.5-7.269e+04 9.880e+04	143.04	5.640e+04 5.559e+04	-
2 27 1.246e+06-4.150e+05	-0.02	0.0	0.0	125.0	-		-
7.931e+06	-7.931e+06-5.656e+05	-0.01	0.0	0.0-5.971e+04 7.790e+04	1035.29	-2.738e+05-4.600e+05	-
3.343e+06				62.5-5.878e+04 7.790e+04	1035.29	-2.738e+05-3.965e+05	-
4.150e+051.246e+06							-
2 28 1.427e+06 1.648e+05	-0.02	0.0	0.0				-
1.117e+07	-1.117e+07 1.550e+05 2.60e-03		0.0				-
4.870e+06							-
115.291.299e+051.550e+05 1.427e+06							-
2 57 1.291e+06-3.375e+05	-0.02	0.0	0.0				-
8.628e+06	-8.628e+06-4.683e+05	-8.47e-03	0.0				-
3.669e+06							-
3.375e+051.291e+06							-
2 58 1.420e+06 6.575e+04	-0.02	0.0	0.0				-
1.093e+07	-1.093e+07 4.542e+04 5.38e-04		0.0				-
4.756e+06							-
7.175e+049.880e+04143.04 5.640e+04 6.575e+04 1.420e+06							-
2 59 1.277e+06-3.331e+05	-0.02	0.0	0.0				-
8.459e+06	-8.459e+06-4.600e+05	-8.33e-03	0.0				-
3.591e+06							-



3.331e+051.277e+06					125.0	-5.784e+04	7.790e+04	1035.29	-2.738e+05	-
2 60 1.406e+06 7.019e+04 -0.02 0.0	0.0	0.0	-7.272e+04	9.735e+04	111.92	5.998e+04	5.367e+04	-		
1.076e+07										
-1.076e+07 5.367e+04 6.71e-04 0.0	0.0	62.5	-7.178e+04	9.735e+04	111.92	5.998e+04	6.193e+04	-		
4.678e+06										
7.085e+049.735e+04111.92 5.998e+04 7.019e+04 1.406e+06					125.0	-				
2 73 1.774e+06 -5.728e+05 5.05e-03 0.0	0.0	0.0	-9.140e+04	1.234e+05	3531.88	-5.686e+05	-1.014e+06	-		
1.365e+07										
-1.365e+07 -1.014e+06 -0.02 0.0	0.0	62.5	-9.046e+04	1.234e+05	3531.88	-5.686e+05	-7.935e+05	-		
5.937e+06										
5.728e+051.774e+06					125.0	-8.952e+04	1.234e+05	3531.88	-5.686e+05	-
2 74 2.549e+06 -6.877e+05 -0.02 0.0	0.0	0.0	-1.314e+05	1.795e+05	4094.57	-6.662e+05	-1.200e+06	-		
1.989e+07										
-1.989e+07 -1.200e+06 -0.02 0.0	0.0	62.5	-1.304e+05	1.795e+05	4094.57	-6.662e+05	-9.436e+05	-		
8.671e+06										
6.877e+052.549e+06					125.0	-1.295e+05	1.795e+05	4094.57	-6.662e+05	-
2 76 2.536e+06 -8.111e+05 -8.72e-03 0.0	0.0	0.0	-1.316e+05	1.800e+05	4962.94	-8.000e+05	-1.431e+06	-		
1.996e+07										
-1.996e+07 -1.431e+06 -0.03 0.0	0.0	62.5	-1.307e+05	1.800e+05	4962.94	-8.000e+05	-1.121e+06	-		
8.712e+06										
8.111e+052.536e+06					125.0	-1.297e+05	1.800e+05	4962.94	-8.000e+05	-
2 77 1.291e+06 -2.255e+05 -0.01 0.0	0.0	0.0	-6.447e+04	8.533e+04	1250.10	-2.098e+05	-3.817e+05	-		
9.375e+06										
-9.375e+06 -3.817e+05 -7.03e-03 0.0	0.0	62.5	-6.354e+04	8.533e+04	1250.10	-2.098e+05	-3.036e+05	-		
4.042e+06										
2.255e+051.291e+06					125.0	-6.260e+04	8.533e+04	1250.10	-2.098e+05	-
2 80 2.006e+06 -6.073e+05 -7.76e-03 0.0	0.0	0.0	-1.034e+05	1.402e+05	3700.69	-5.979e+05	-1.070e+06	-		
1.552e+07										
-1.552e+07 -1.070e+06 -0.02 0.0	0.0	62.5	-1.024e+05	1.402e+05	3700.69	-5.979e+05	-8.386e+05	-		
6.757e+06										
6.073e+052.006e+06					125.0	-1.015e+05	1.402e+05	3700.69	-5.979e+05	-
2 81 1.291e+06 -2.255e+05 -0.01 0.0	0.0	0.0	-6.447e+04	8.533e+04	1250.10	-2.098e+05	-3.817e+05	-		
9.375e+06										
-9.375e+06 -3.817e+05 -7.03e-03 0.0	0.0	62.5	-6.354e+04	8.533e+04	1250.10	-2.098e+05	-3.036e+05	-		
4.042e+06										
2.255e+051.291e+06					125.0	-6.260e+04	8.533e+04	1250.10	-2.098e+05	-
2 82 1.524e+06 -2.600e+05 -0.02 0.0	0.0	0.0	-7.646e+04	1.022e+05	1418.90	-2.391e+05	-4.373e+05	-		
1.125e+07										
-1.125e+07 -4.373e+05 -8.05e-03 0.0	0.0	62.5	-7.552e+04	1.022e+05	1418.90	-2.391e+05	-3.486e+05	-		
4.862e+06										
2.600e+051.524e+06					125.0	-7.459e+04	1.022e+05	1418.90	-2.391e+05	-
3 1 5.898e+06 1.935e+06 0.16 -0.01	0.0	0.0	2.149e+04	6.053e+04	-6227.11	-4.556e+05	1.935e+06	-		
1.230e+07										
-1.230e+07 6.205e+04 -0.24 0.0	0.0	150.3	2.454e+04	6.053e+04	-6227.11	-4.556e+05	9.983e+05	-		
3.202e+06										
4.556e+056.205e+045.898e+06					300.7	2.758e+04	6.053e+04	-6227.11	-	
3 2 9.701e+06 2.138e+06 0.20 -0.01	0.0	0.0	2.782e+04	9.858e+04	-6933.20	-5.933e+05	2.138e+06	-		
1.994e+07										
-1.994e+07 5.341e+04 -0.29 0.0	0.0	150.3	3.086e+04	9.858e+04	-6933.20	-5.933e+05	1.096e+06	-		
5.121e+06										
5.933e+055.341e+049.701e+06					300.7	3.391e+04	9.858e+04	-6933.20	-	
3 6 9.019e+06 2.704e+06 0.22 -0.01	0.0	0.0	3.472e+04	9.227e+04	-8719.55	-6.651e+05	2.704e+06	-		
1.873e+07										
-1.873e+07 8.234e+04 -0.35 0.0	0.0	150.3	3.777e+04	9.227e+04	-8719.55	-6.651e+05	1.393e+06	-		
4.854e+06										
6.651e+058.234e+049.019e+06					300.7	4.081e+04	9.227e+04	-8719.55	-	
3 26 4.624e+06 8.200e+05 0.04 -7.44e-03	0.0	0.0	-567.68	4.604e+04	-2215.07	2.189e+05	8.200e+05	-		
9.219e+06										
-9.219e+06 1.877e+05 0.04 0.0	0.0	150.3	1687.55	4.604e+04	-2215.07	2.189e+05	5.038e+05	-		
2.297e+06										
2215.072.189e+051.877e+054.624e+06					300.7	3942.79	4.604e+04	-		
3 27 3.559e+06 -2.135e+05 0.03 -7.44e-03	0.0	0.0	-3601.66	3.583e+04	1447.79	-4.501e+05	-6.151e+05	-		
7.216e+06										
-7.216e+06 -6.151e+05 -0.12 0.0	0.0	150.3	-1346.42	3.583e+04	1447.79	-4.501e+05	-4.143e+05	-		
1.828e+06										
2.135e+053.559e+06					300.7	908.81	3.583e+04	1447.79	-4.501e+05	-



[illegible]



[illegible]



				428.4				2.031e+04				1.652e+04				-			
342.002.774e+043.623e+04				2.601e+06															
5				2				3.540e+05				1.129e+05				0.20			
5.375e+053.540e+05				-3.803e+05				-5.375e+05				-0.37				0.0			
1.317e+04												253.0				5.025e+04			
												-1451.14				1285.38			
												3.246e+05				-			
												506.0				5.537e+04			
												-1451.14				1285.38			
												3.246e+05				1.129e+05			
3.803e+05																			
5				3				3.379e+06				9.460e+04				0.13			
5.303e+053.379e+06				-2.328e+06				-5.303e+05				-0.23				0.0			
2.179e+055.255e+05												253.0				2.184e+04			
												-1.128e+04				1235.03			
												3.213e+05				-			
												506.0				2.564e+04			
												-1.128e+04				1235.03			
												3.213e+05				9.460e+04			
2.328e+06																			
5				6				2.861e+06				1.377e+05				0.21			
7.192e+052.861e+06				-2.046e+06				-7.192e+05				-0.40				0.0			
2.908e+054.076e+05												253.0				4.647e+04			
												-9697.65				1693.45			
												506.0				5.159e+04			
												-9697.65				1693.45			
												4.344e+05				-			
2.046e+06																			
5				7				5.217e+06				1.236e+05				0.16			
7.169e+055.217e+06				-3.563e+06				-7.169e+05				-0.29				0.0			
2.966e+058.272e+05												253.0				2.502e+04			
												-1.735e+04				1661.05			
												4.333e+05				-			
												506.0				2.882e+04			
												-1.735e+04				1661.05			
												4.333e+05				1.236e+05			
3.563e+06																			
5				8				3.657e+06				1.337e+05				0.20			
7.280e+053.657e+06				-2.558e+06				-7.280e+05				-0.36				0.0			
2.972e+055.495e+05												253.0				4.128e+04			
												-1.228e+04				1702.92			
												506.0				4.507e+04			
												-1.228e+04				1702.92			
												4.386e+05				1.337e+05			
2.558e+06																			
5				14				2.116e+06				4.630e+05				0.04			
3.216e+06				-3.216e+06				9789.12				-0.01				0.0			
5.503e+05												253.0				1.967e+04			
												1.054e+04				-942.67			
												506.0				2.347e+04			
												1.054e+04				-			
942.678.349e+04				9789.12				2.116e+06											
5				26				1.937e+06				1.528e+06				0.06			
2.961e+06				-2.961e+06				-8.456e+04				0.28				0.0			
5.121e+05												253.0				2.070e+04			
												9680.12				-3199.03			
												506.0				2.450e+04			
												9680.12				-3199.03			
												2.231e+05				1.528e+06			
8.456e+041.937e+06																			
5				27				1.312e+06				1.092e+05				0.04			
2.088e+06				-2.088e+06				-1.493e+06				-0.48				0.0			
3.881e+05												253.0				1.429e+04			
												6719.54				3179.59			
												506.0				1.809e+04			
												6719.54				3179.59			
												-				-			
2.389e+051.092e+051.312e+06																			
5				46				1.927e+06				3.291e+05				0.05			
2.951e+06				-2.951e+06				9449.15				-0.03				0.0			
5.119e+05												253.0				1.887e+04			
												9641.59				-660.56			
												506.0				2.266e+04			
												9641.60				-			
660.565.618e+04				9449.15				1.927e+06											
5				58				1.832e+06				1.091e+06				0.06			
2.814e+06				-2.814e+06				-5.684e+04				0.17				0.0			
4.911e+05												253.0				1.972e+04			
												9181.89				-2276.38			
												506.0				2.351e+04			
												9181.89				-2276.38			
												1.542e+05				-			
5.684e+041.832e+06																			
5				59				1.417e+06				8.148e+04				0.04			
2.235e+06				-2.235e+06				-1.056e+06				-0.37				0.0			
4.092e+05												253.0				1.528e+04			
												7217.77				2256.93			
												506.0				1.907e+04			
												7217.77				2256.93			
												-				-			
1.700e+058.148e+041.417e+06																			
5				73				1.550e+06				6.673e+04				0.10			
3.478e+051.550e+06				-1.100e+06				-3.478e+05				-0.18				0.0			
1.405e+052.247e+05												253.0				1.914e+04			
												-5236.70				819.14			
												506.0				2.293e+04			
												-5236.70				819.14			
												2.117e+05				6.673e+04			
1.100e+06																			
5				74				6.373e+04				7.630e+04				0.13			
3.584e+056.373e+04				-1.432e+05				-3.584e+05				-0.26				0.0			
3.973e+04												253.0				3.462e+04			
												-408.94				859.02			
												506.0				3.841e+04			
												-408.94				859.02			
												2.167e+05				7.630e+04			
1.432e+05																			



5	75	2.759e+06	8.582e+04	0.12	4.38e-03	0.0	1.744e+04	-9232.77	1099.42	2.854e+05	-
4.705e+052.759e+06											
		-1.913e+06	-4.705e+05	-0.22	0.0	253.0	2.123e+04	-9232.77	1099.42	2.854e+05	-
1.923e+054.232e+05											
						506.0	2.503e+04	-9232.76	1099.42	2.854e+05	8.582e+04
1.913e+06											-
5	76	1.719e+06	9.252e+04	0.14	4.38e-03	0.0	2.827e+04	-5853.34	1127.34	2.889e+05	-
4.779e+051.719e+06											
		-1.243e+06	-4.779e+05	-0.27	0.0	253.0	3.207e+04	-5853.34	1127.34	2.889e+05	-
1.927e+052.381e+05											
						506.0	3.586e+04	-5853.33	1127.34	2.889e+05	9.252e+04
1.243e+06											-
5	77	6.873e+05	2.472e+04	0.06	4.38e-03	0.0	1.073e+04	3554.65	202.54	4.955e+04	-7.776e+04
1.111e+06											
		-1.111e+06	-7.776e+04	-0.11	0.0	253.0	1.453e+04	3554.65	202.54	4.955e+04	-2.652e+04
2.120e+05											
						506.0	1.832e+04	3554.65	202.54	4.955e+04	2.472e+04
73e+05											6.8
5	78	1.166e+06	2.951e+04	0.07	4.38e-03	0.0	1.847e+04	5968.52	222.48	5.205e+04	-8.306e+04
1.854e+06											-
		-1.854e+06	-8.306e+04	-0.14	0.0	253.0	2.227e+04	5968.53	222.48	5.205e+04	-2.678e+04
3.442e+05											
						506.0	2.606e+04	5968.53	222.48	5.205e+04	2.951e+04
66e+06											1.1
5	79	1.550e+06	6.673e+04	0.10	4.38e-03	0.0	1.534e+04	-5236.70	819.14	2.117e+05	-
3.478e+051.550e+06											
		-1.100e+06	-3.478e+05	-0.18	0.0	253.0	1.914e+04	-5236.70	819.14	2.117e+05	-
1.405e+052.247e+05											
						506.0	2.293e+04	-5236.70	819.14	2.117e+05	6.673e+04
1.100e+06											-
5	80	1.104e+06	6.960e+04	0.11	4.38e-03	0.0	1.999e+04	-3788.37	831.11	2.132e+05	-
3.509e+051.104e+06											
		-8.131e+05	-3.509e+05	-0.21	0.0	253.0	2.378e+04	-3788.37	831.11	2.132e+05	-
1.407e+051.454e+05											
						506.0	2.758e+04	-3788.37	831.11	2.132e+05	6.960e+04
8.131e+05											-
5	81	6.873e+05	2.472e+04	0.06	4.38e-03	0.0	1.073e+04	3554.65	202.54	4.955e+04	-7.776e+04
1.111e+06											
		-1.111e+06	-7.776e+04	-0.11	0.0	253.0	1.453e+04	3554.65	202.54	4.955e+04	-2.652e+04
2.120e+05											
						506.0	1.832e+04	3554.65	202.54	4.955e+04	2.472e+04
73e+05											6.8
5	82	9.744e+05	2.759e+04	0.07	4.38e-03	0.0	1.538e+04	5002.97	214.50	5.105e+04	-8.094e+04
1.557e+06											



-2.109e+06-4.658e+04	0.26	0.0	253.0	2.023e+04-1.062e+04	-2782.31	-	
2.656e+056.561e+055.792e+05							
			506.0	2.403e+04-1.062e+04	-2782.31	-2.656e+05-4.658e+04	-
2.109e+06							
6 33 1.895e+06 1.056e+05	-0.04	-4.38e-03	0.0	1.049e+04 -6107.30	3168.95	2.394e+05	-
1.492e+061.895e+06							
-1.195e+06-1.492e+06	-0.48	0.0	253.0	1.429e+04 -6107.30	3168.95	2.394e+05	-
6.930e+053.496e+05							
			506.0	1.808e+04 -6107.30	3168.95	2.394e+05 1.056e+05	-
1.195e+06							
6 36 3.163e+06 1.529e+06	-0.04	-4.38e-03	0.0	1.662e+04-1.028e+04	-3220.97	-	
2.084e+051.529e+063.163e+06							
-2.037e+06-9.490e+04	0.29	0.0	253.0	2.042e+04-1.028e+04	-3220.97	-	
2.084e+057.169e+055.633e+05							
			506.0	2.421e+04-1.028e+04	-3220.97	-2.084e+05-9.490e+04	-
2.037e+06							
6 60 3.035e+06 9.711e+05	-0.04	-4.38e-03	0.0	1.555e+04 -9856.90	-1984.06	-	
1.825e+059.711e+053.035e+06							
-1.953e+06-3.087e+04	0.16	0.0	253.0	1.934e+04 -9856.91	-1984.06	-	
1.825e+054.701e+055.410e+05							
			506.0	2.314e+04 -9856.91	-1984.06	-1.825e+05-3.087e+04	-
1.953e+06							
6 65 2.097e+06 7.696e+04	-0.04	-4.38e-03	0.0	1.144e+04 -6774.31	2245.52	1.726e+05	-
1.055e+062.097e+06							
-1.331e+06-1.055e+06	-0.37	0.0	253.0	1.523e+04 -6774.31	2245.52	1.726e+05	-
4.892e+053.832e+05							
			506.0	1.903e+04 -6774.31	2245.52	1.726e+05 7.696e+04	-
1.331e+06							
6 68 2.961e+06 1.092e+06	-0.04	-4.38e-03	0.0	1.568e+04 -9609.05	-2297.55	-	
1.416e+051.092e+062.961e+06							
-1.901e+06-6.625e+04	0.18	0.0	253.0	1.947e+04 -9609.05	-2297.55	-	
1.416e+055.131e+055.297e+05							
			506.0	2.327e+04 -9609.06	-2297.55	-1.416e+05-6.625e+04	-
1.901e+06							
6 73 4.110e+06-2.657e+04	-0.02	-4.38e-03	0.0	1.057e+04-1.346e+04	64.94	7.205e+04	-
5.943e+044.110e+06							
-2.701e+06-5.943e+04	-0.10	0.0	253.0	1.436e+04-1.346e+04	64.94	7.205e+04	-
4.300e+047.041e+05							
			506.0	1.816e+04-1.346e+04	64.94	7.205e+04-2.657e+04	-
2.701e+06							
6 74 5.631e+06-2.253e+04	-0.03	-4.38e-03	0.0	2.591e+04-1.838e+04	91.54	7.283e+04	-
6.885e+045.631e+06							
-3.669e+06-6.885e+04	-0.16	0.0	253.0	2.971e+04-1.838e+04	91.54	7.283e+04	-
4.569e+049.809e+05							
			506.0	3.350e+04-1.838e+04	91.54	7.283e+04-2.253e+04	-
3.669e+06							
6 76 5.854e+06-3.398e+04	-0.03	-4.38e-03	0.0	2.185e+04-1.915e+04	116.54	9.153e+04	-
9.295e+045.854e+06							
-3.838e+06-9.295e+04	-0.15	0.0	253.0	2.564e+04-1.915e+04	116.54	9.153e+04	-
6.346e+041.008e+06							
			506.0	2.944e+04-1.915e+04	116.54	9.153e+04-3.398e+04	-
3.838e+06							
6 77 2.616e+06 -194.98	-0.03	-4.38e-03	0.0	9384.22 -8514.20	-7.61	3.040e+04	-
194.982.616e+06							
-1.692e+06 -4045.10	-0.08	0.0	253.0	1.318e+04 -8514.20	-7.61	3.040e+04	-
2120.044.616e+05							
			506.0	1.697e+04 -8514.21	-7.61	3.040e+04 -4045.10	-
1.692e+06							
6 78 3.377e+06 -2027.76	-0.04	-4.38e-03	0.0	1.706e+04-1.097e+04	5.69	3.078e+04	-
4905.613.377e+06							
-2.177e+06 -4905.61	-0.11	0.0	253.0	2.085e+04-1.097e+04	5.69	3.078e+04	-
3466.696.000e+05							
			506.0	2.465e+04-1.097e+04	5.69	3.078e+04 -2027.76	-
2.177e+06							
6 80 4.566e+06-2.536e+04	-0.02	-4.38e-03	0.0	1.517e+04-1.494e+04	72.92	7.229e+04	-
6.225e+044.566e+06							
-2.992e+06-6.225e+04	-0.12	0.0	253.0	1.897e+04-1.494e+04	72.92	7.229e+04	-
4.380e+047.871e+05							
			506.0	2.276e+04-1.494e+04	72.92	7.229e+04-2.536e+04	-
2.992e+06							
6 81 2.616e+06 -194.98	-0.03	-4.38e-03	0.0	9384.22 -8514.20	-7.61	3.040e+04	-
194.982.616e+06							
-1.692e+06 -4045.10	-0.08	0.0	253.0	1.318e+04 -8514.20	-7.61	3.040e+04	-
2120.044.616e+05							
			506.0	1.697e+04 -8514.21	-7.61	3.040e+04 -4045.10	-
1.692e+06							
6 82 3.072e+06 -2834.69	-0.04	-4.38e-03	0.0	1.399e+04 -9990.38	0.37	3.063e+04	-
3021.363.072e+06							
-1.983e+06 -3021.36	-0.10	0.0	253.0	1.778e+04 -9990.39	0.37	3.063e+04	-
2928.035.446e+05							



1.983e+06						506.0	2.158e+04	-9990.39	0.37	3.063e+04	-2834.69	-	
7	2	1.309e+07	5.339e+04	-0.09	-1.77e-03	0.0	2.924e+04	-4.906e+04	-				
134.268.914e+04	5.339e+04	1.309e+07	-7.930e+06	-4137.99	-0.17	0.0	214.2	3.358e+04	-4.906e+04	-			
134.268.914e+04	2.579e+06						428.4	3.792e+04	-4.906e+04	-134.26	8.914e+04	-4137.99	-
7.930e+06													
7	3	6.612e+06	-1.821e+04	-0.02	-1.31e-03	0.0	7104.66	-2.485e+04	-7.72	6.035e+04	-	-	
1.821e+04	6.612e+06		-4.036e+06	-2.151e+04	-0.06	0.0	214.2	1.032e+04	-2.485e+04	-7.72	6.035e+04	-	
1.986e+04	1.288e+06						428.4	1.353e+04	-2.485e+04	-7.72	6.035e+04	-2.151e+04	-
4.036e+06													
7	7	7.423e+06	-3.011e+04	-0.02	-1.31e-03	0.0	7440.63	-2.793e+04	6.62	7.134e+04	-	-	
3.295e+04	7.423e+06		-4.542e+06	-3.295e+04	-0.07	0.0	214.2	1.065e+04	-2.793e+04	6.62	7.134e+04	-	
3.153e+04	1.440e+06						428.4	1.387e+04	-2.793e+04	6.62	7.134e+04	-3.011e+04	-
4.542e+06													
7	28	6.272e+06	1.007e+06	-0.06	-1.31e-03	0.0	1.240e+04	-2.352e+04	-2143.84	-		-	
3.246e+05	1.007e+06	6.272e+06	-3.806e+06	1.220e+05	0.13	0.0	214.2	1.562e+04	-2.352e+04	-2143.84	-	-	
3.246e+05	5.645e+05	1.233e+06					428.4	1.883e+04	-2.352e+04	-2143.84	-3.246e+05	1.220e+05	-
3.806e+06													
7	33	4.304e+06	-9.316e+04	-0.06	-1.31e-03	0.0	7973.17	-1.604e+04	2495.24	4.065e+05	-	-	
1.124e+06	4.304e+06		-2.566e+06	-1.124e+06	-0.30	0.0	214.2	1.119e+04	-1.604e+04	2495.24	4.065e+05	-	
6.085e+05	5.687e+05						428.4	1.440e+04	-1.604e+04	2495.24	4.065e+05	-9.316e+04	-
2.566e+06													
7	36	6.235e+06	1.202e+06	-0.07	-1.31e-03	0.0	1.264e+04	-2.338e+04	-2643.53	-		-	
3.412e+05	1.202e+06	6.235e+06	-3.782e+06	1.074e+05	0.16	0.0	214.2	1.585e+04	-2.338e+04	-2643.53	-	-	
3.412e+05	5.545e+05	1.227e+06					428.4	1.906e+04	-2.338e+04	-2643.53	-3.412e+05	1.074e+05	-
3.782e+06													
7	60	5.969e+06	7.241e+05	-0.06	-1.31e-03	0.0	1.174e+04	-2.237e+04	-1532.06	-		-	
2.208e+05	7.241e+05	5.969e+06	-3.614e+06	8.607e+04	0.07	0.0	214.2	1.495e+04	-2.237e+04	-1532.06	-	-	
2.208e+05	4.051e+05	1.177e+06					428.4	1.816e+04	-2.237e+04	-1532.06	-2.208e+05	8.607e+04	-
3.614e+06													
7	65	4.596e+06	-6.037e+04	-0.06	-1.31e-03	0.0	8704.59	-1.715e+04	1742.89	2.978e+05	-	-	
7.858e+05	4.596e+06		-2.751e+06	-7.858e+05	-0.24	0.0	214.2	1.192e+04	-1.715e+04	1742.89	2.978e+05	-	
4.231e+05	5.223e+05						428.4	1.513e+04	-1.715e+04	1742.89	2.978e+05	-6.037e+04	-
2.751e+06													
7	68	5.943e+06	8.636e+05	-0.06	-1.31e-03	0.0	1.190e+04	-2.227e+04	-1891.18	-		-	
2.325e+05	5.636e+05	5.943e+06	-3.597e+06	7.462e+04	0.09	0.0	214.2	1.512e+04	-2.227e+04	-1891.18	-	-	
2.325e+05	4.691e+05	1.173e+06					428.4	1.833e+04	-2.227e+04	-1891.18	-2.325e+05	7.462e+04	-
3.597e+06													
7	73	5.905e+06	-1955.62	-0.03	-1.31e-03	0.0	7106.17	-2.217e+04	-25.74	5.119e+04	-	-	
1955.625	9.05e+06		-3.593e+06	-1.298e+04	-0.06	0.0	214.2	1.032e+04	-2.217e+04	-25.74	5.119e+04	-	
7469.121	1.56e+06						428.4	1.353e+04	-2.217e+04	-25.74	5.119e+04	-1.298e+04	-
3.593e+06													
7	74	9.122e+06	3.723e+04	-0.06	-1.31e-03	0.0	1.998e+04	-3.419e+04	-			-	
92.766	1.70e+04	3.723e+04	9.122e+06	-5.526e+06	-0.12	0.0	214.2	2.319e+04	-3.419e+04	-		-	
92.766	1.70e+04	1.736e+04	1.798e+06				428.4	2.640e+04	-3.419e+04	-92.76	6.170e+04	-2516.09	-
5.526e+06													
7	75	6.438e+06	-1.165e+04	-0.03	-1.31e-03	0.0	7327.20	-2.419e+04	-16.30	5.842e+04	-	-	
1.165e+04	6.438e+06		-3.926e+06	-1.864e+04	-0.07	0.0	214.2	1.054e+04	-2.419e+04	-16.30	5.842e+04	-	
1.515e+04	1.256e+06						428.4	1.375e+04	-2.419e+04	-16.30	5.842e+04	-1.864e+04	-
3.926e+06													
7	77	4.731e+06	1.938e+04	-0.04	-1.31e-03	0.0	6619.90	-1.772e+04	-			-	
46.493	5.28e+04	1.938e+04	4.731e+06	-2.861e+06	-0.06	0.0	214.2	9833.22	-1.772e+04	-		-	
46.493	5.28e+04	9420.239	3.54e+05				428.4	1.305e+04	-1.772e+04	-46.49	3.528e+04	-539.09	-
2.861e+06													



[illegible]



-4.597e+06 3.239e+04				-0.03	0.0	150.3	-1123.12 -4.638e+04	-			
890.965018e+041.592e+05 2.376e+06						300.7	1132.12 -4.638e+04	-890.96 5.018e+04 3.239e+04	-		
4.597e+06											
8 65 7.981e+06 -1.534e+05				-0.03	7.44e-03	0.0	-4367.54 -3.943e+04	855.67 3.478e+05	-		
3.935e+057.981e+06											
-3.874e+06 -3.935e+05				-0.10	0.0	150.3	-2112.31 -3.943e+04	855.67 3.478e+05	-		
2.735e+052.054e+06						300.7	142.93 -3.943e+04	855.67 3.478e+05 -1.534e+05	-		
3.874e+06											
8 68 9.826e+06 6.622e+05				-0.03	7.44e-03	0.0	-3622.23 -4.875e+04	-1824.89	-		
1.272e+056.622e+059.826e+06											
-4.834e+06 1.307e+05				0.02	0.0	150.3	-1366.99 -4.875e+04	-1824.89	-		
1.272e+053.964e+052.496e+06						300.7	888.24 -4.875e+04	-1824.89 -1.272e+05 1.307e+05	-		
4.834e+06											
8 74 1.426e+07 2.394e+05				-0.04	7.44e-03	0.0	-3083.07 -7.069e+04	-			
865.611783e+052.394e+05 1.426e+07											
-6.993e+06 -2.085e+04				-0.07	0.0	150.3	-827.84 -7.069e+04	-			
865.611783e+051.093e+05 3.635e+06						300.7	1427.40 -7.069e+04	-865.61 1.783e+05 -2.085e+04	-		
6.993e+06											
8 75 9.174e+06 8.313e+04				-0.02	7.44e-03	0.0	-6311.01 -4.555e+04	-			
340.339790e+048.313e+04 9.174e+06											
-4.523e+06 -1.921e+04				-0.03	0.0	150.3	-4055.77 -4.555e+04	-			
340.339790e+043.196e+04 2.325e+06						300.7	-1800.54 -4.555e+04	-340.33 9.790e+04 -1.921e+04	-		
4.523e+06											
8 76 1.308e+07 1.917e+05				-0.03	7.44e-03	0.0	-4306.43 -6.485e+04	-			
710.541564e+051.917e+05 1.308e+07											
-6.425e+06 -2.193e+04				-0.06	0.0	150.3	-2051.20 -6.485e+04	-			
710.541564e+058.490e+04 3.326e+06						300.7	204.04 -6.485e+04	-710.54 1.564e+05 -2.193e+04	-		
6.425e+06											
8 78 1.041e+07 1.644e+05				-0.03	7.44e-03	0.0	-3713.55 -5.155e+04	-			
593.261295e+051.644e+05 1.041e+07											
-5.094e+06 -1.396e+04				-0.05	0.0	150.3	-1458.32 -5.155e+04	-			
593.261295e+057.523e+04 2.656e+06						300.7	796.92 -5.155e+04	-593.26 1.295e+05 -1.396e+04	-		
5.094e+06											
8 79 8.688e+06 8.430e+04				-0.02	7.44e-03	0.0	-5946.75 -4.312e+04	-			
336.749473e+048.430e+04 8.688e+06											
-4.277e+06 -1.696e+04				-0.03	0.0	150.3	-3691.52 -4.312e+04	-			
336.749473e+043.367e+04 2.205e+06						300.7	-1436.28 -4.312e+04	-336.74 9.473e+04 -1.696e+04	-		
4.277e+06											
8 80 1.036e+07 1.308e+05				-0.02	7.44e-03	0.0	-5087.65 -5.139e+04	-			
495.401198e+051.308e+05 1.036e+07											
-5.092e+06 -1.813e+04				-0.04	0.0	150.3	-2832.41 -5.139e+04	-			
495.401198e+055.636e+04 2.634e+06						300.7	-577.18 -5.139e+04	-495.40 1.198e+05 -1.813e+04	-		
5.092e+06											
8 81 7.620e+06 8.686e+04				-0.02	7.44e-03	0.0	-5145.39 -3.777e+04	-			
328.828777e+048.686e+04 7.620e+06											
-3.736e+06 -1.202e+04				-0.03	0.0	150.3	-2890.16 -3.777e+04	-			
328.828777e+043.742e+04 1.942e+06						300.7	-63				



1.696e+06						125.0	-6.893e+04	-9.161e+04	-16.95	9.043e+04	-1.298e+05	-
9	38	7.524e+06	5.956e+05	0.02	0.0	0.0	-5.506e+04	-7.038e+04	-1310.30	-		
3.466e+055.956e+057.524e+06												
		-1.273e+06	4.366e+05	0.01	0.0	62.5	-5.412e+04	-7.038e+04	-1310.30	-		
3.466e+055.161e+053.125e+06												
						125.0	-5.319e+04	-7.038e+04	-1310.30	-3.466e+05	4.366e+05	-
1.273e+06												
9	39	9.924e+06	-1.086e+05	0.02	0.0	0.0	-7.183e+04	-9.325e+04	-69.63	8.439e+04	-	
1.086e+059.924e+06												
		-1.732e+06	-1.222e+05	-1.64e-03	0.0	62.5	-7.089e+04	-9.325e+04	-69.63	8.439e+04	-	
1.154e+054.096e+06												
						125.0	-6.996e+04	-9.325e+04	-69.63	8.439e+04	-1.222e+05	-
1.732e+06												
9	40	7.693e+06	6.096e+05	0.02	0.0	0.0	-5.609e+04	-7.202e+04	-1362.97	-		
3.527e+056.096e+057.693e+06												
		-1.310e+06	4.442e+05	0.01	0.0	62.5	-5.515e+04	-7.202e+04	-1362.97	-		
3.527e+055.269e+053.192e+06												
						125.0	-5.422e+04	-7.202e+04	-1362.97	-3.527e+05	4.442e+05	-
1.310e+06												
9	69	9.469e+06	-1.343e+04	0.02	0.0	0.0	-6.875e+04	-8.889e+04	-235.04	2.546e+04	-	
1.343e+049.469e+06												
		-1.642e+06	-4.549e+04	1.10e-04	0.0	62.5	-6.781e+04	-8.889e+04	-235.04	2.546e+04	-	
2.946e+043.913e+06												
						125.0	-6.687e+04	-8.889e+04	-235.04	2.546e+04	-4.549e+04	-
1.642e+06												
9	70	7.882e+06	4.919e+05	0.02	0.0	0.0	-5.755e+04	-7.379e+04	-1113.29	-		
2.840e+054.919e+057.882e+06												
		-1.342e+06	3.554e+05	8.93e-03	0.0	62.5	-5.661e+04	-7.379e+04	-1113.29	-		
2.840e+054.237e+053.270e+06												
						125.0	-5.567e+04	-7.379e+04	-1113.29	-2.840e+05	3.554e+05	-
1.342e+06												
9	71	9.567e+06	-4963.43	0.02	0.0	0.0	-6.935e+04	-8.984e+04	-266.63	2.181e+04	-	
4963.439.567e+06												
		-1.663e+06	-4.090e+04	1.90e-04	0.0	62.5	-6.841e+04	-8.984e+04	-266.63	2.181e+04	-	
2.293e+043.952e+06												
						125.0	-6.747e+04	-8.984e+04	-266.63	2.181e+04	-4.090e+04	-
1.663e+06												
9	72	7.980e+06	5.004e+05	0.02	0.0	0.0	-5.815e+04	-7.474e+04	-1144.89	-		
2.877e+055.004e+057.980e+06												
		-1.363e+06	3.600e+05	9.07e-03	0.0	62.5	-5.721e+04	-7.474e+04	-1144.89	-		
2.877e+054.302e+053.309e+06												
						125.0	-5.627e+04	-7.474e+04	-1144.89	-2.877e+05	3.600e+05	-
1.363e+06												
9	73	8.456e+06	1.571e+05	0.03	0.0	0.0	-6.181e+04	-7.948e+04	-435.42	-		
8.009e+041.571e+058.456e+06												
		-1.479e+06	1.027e+05	2.98e-03	0.0	62.5	-6.087e+04	-7.948e+04	-435.42	-		
8.009e+041.299e+053.489e+06												
						125.0	-5.994e+04	-7.948e+04	-435.42	-8.009e+04	1.027e+05	-
1.479e+06												
9	74	1.316e+07	4.624e+05	0.04	0.0	0.0	-9.376e+04	-1.231e+05	-1287.52	-		
2.569e+054.624e+051.316e+07												
		-2.231e+06	3.014e+05	8.60e-03	0.0	62.5	-9.282e+04	-1.231e+05	-1287.52	-		
2.569e+053.819e+055.466e+06												
						125.0	-9.188e+04	-1.231e+05	-1287.52	-2.569e+05	3.014e+05	-
2.231e+06												
9	77	7.617e+06	1.533e+05	0.02	0.0	0.0	-5.598e+04	-7.159e+04	-434.62	-		
7.860e+041.533e+057.617e+06												
		-1.331e+06	9.896e+04	2.90e-03	0.0	62.5	-5.505e+04	-7.159e+04	-434.62	-		
7.860e+041.261e+053.143e+06												
						125.0	-5.411e+04	-7.159e+04	-434.62	-7.860e+04	9.896e+04	-
1.331e+06												
9	78	9.971e+06	3.059e+05	0.03	0.0	0.0	-7.196e+04	-9.342e+04	-860.67	-		
1.670e+053.059e+059.971e+06												
		-1.707e+06	1.983e+05	5.71e-03	0.0	62.5	-7.102e+04	-9.342e+04	-860.67	-		
1.670e+052.521e+054.132e+06												
						125.0	-7.008e+04	-9.342e+04	-860.67	-1.670e+05	1.983e+05	-
1.707e+06												
9	81	7.617e+06	1.533e+05	0.02	0.0	0.0	-5.598e+04	-7.159e+04	-434.62	-		
7.860e+041.533e+057.617e+06												
		-1.331e+06	9.896e+04	2.90e-03	0.0	62.5	-5.505e+04	-7.159e+04	-434.62	-		
7.860e+041.261e+053.143e+06												
						125.0	-5.411e+04	-7.159e+04	-434.62	-7.860e+04	9.896e+04	-
1.331e+06												
9	82	9.029e+06	2.449e+05	0.02	0.0	0.0	-6.557e+04	-8.469e+04	-690.25	-		
1.317e+052.449e+059.029e+06												
		-1.556e+06	1.586e+05	4.59e-03	0.0	62.5	-6.463e+04	-8.469e+04	-690.25	-		
1.317e+052.017e+053.736e+06												
						125.0	-6.369e+04	-8.469e+04	-690.25	-1.317e+05	1.586e+05	-
1.556e+06												



[illegible]



6.578e+06	-1.513e+07	6.333e+05	0.02	0.0	62.5	-1.001e+05	1.368e+05	-3788.42	6.231e+05	8.700e+05	-	
3788.426	2.31e+056	3.33e+051	9.73e+06		125.0	-9.917e+04	1.368e+05	-				
10	81	1.291e+06	3.817e+05	-0.01	0.0	0.0	-6.447e+04	8.533e+04	-1250.10	2.098e+05	3.817e+05	-
9.375e+06		-9.375e+06	2.255e+05	7.03e-03	0.0	62.5	-6.354e+04	8.533e+04	-1250.10	2.098e+05	3.036e+05	-
4.042e+06						125.0	-6.260e+04	8.533e+04	-			
1250.102	0.098e+052	2.255e+051	2.91e+06									
10	82	1.490e+06	4.743e+05	-0.02	0.0	0.0	-7.412e+04	9.879e+04	-1506.64	2.643e+05	4.743e+05	-
1.086e+07		-1.086e+07	2.859e+05	8.72e-03	0.0	62.5	-7.319e+04	9.879e+04	-1506.64	2.643e+05	3.801e+05	
4.684e+06						125.0	-7.225e+04	9.879e+04	-			
1506.642	0.643e+052	8.59e+051	4.90e+06									
11	1	5.898e+06	-6.205e+04	0.16	-0.01	0.0	2.149e+04	6.053e+04	6227.11	4.556e+05	-1.935e+06	-
1.230e+07		-1.230e+07	-1.935e+06	0.24	0.0	150.3	2.454e+04	6.053e+04	6227.11	4.556e+05	-9.983e+05	-
3.202e+06						300.7	2.758e+04	6.053e+04	6227.11	4.556e+05		-
6.205e+045	0.898e+06											
11	2	9.069e+06	-5290.78	0.19	-0.01	0.0	2.588e+04	9.233e+04	6867.19	7.341e+05	-2.070e+06	-
1.870e+07		-1.870e+07	-2.070e+06	0.33	0.0	150.3	2.893e+04	9.233e+04	6867.19	7.341e+05	-1.038e+06	-
4.813e+06						300.7	3.197e+04	9.233e+04	6867.19	7.341e+05		-
5290.789	0.069e+06											
11	6	8.577e+06	-4.866e+04	0.22	-0.01	0.0	3.337e+04	8.790e+04	8673.34	7.637e+05	-2.657e+06	-
1.785e+07		-1.785e+07	-2.657e+06	0.37	0.0	150.3	3.641e+04	8.790e+04	8673.34	7.637e+05	-1.353e+06	-
4.639e+06						300.7	3.946e+04	8.790e+04	8673.34	7.637e+05		-
4.866e+048	0.577e+06											
11	29	4.498e+06	-1.780e+05	0.04	-7.44e-03	0.0	-954.62	4.479e+04	2201.87	-1.907e+05	-8.064e+05	-
8.970e+06		-8.970e+06	-8.064e+05	-0.03	0.0	150.3	1300.62	4.479e+04	2201.87	-1.907e+05	-4.922e+05	-
2.236e+06						300.7	3555.85	4.479e+04	2201.87	-1.907e+05		-
1.780e+054	0.498e+06											
11	32	3.433e+06	6.287e+05	0.03	-7.44e-03	0.0	-3988.59	3.458e+04	-1460.99	4.782e+05	6.287e+05	-
6.966e+06		-6.966e+06	2.231e+05	0.13	0.0	150.3	-1733.35	3.458e+04	-1460.99	4.782e+05	4.259e+05	-
1.767e+06						300.7	521.88	3.458e+04	-			
1460.994	0.782e+052	2.231e+053	4.33e+06									
11	61	4.336e+06	-1.193e+05	0.04	-7.44e-03	0.0	-1430.05	4.324e+04	1633.82	-9.444e+04	-5.924e+05	-
8.666e+06		-8.666e+06	-5.924e+05	-7.51e-03	0.0	150.3	825.18	4.324e+04	1633.82	-9.444e+04	-3.558e+05	-
2.165e+06						300.7	3080.42	4.324e+04	1633.82	-9.444e+04		-
1.193e+054	0.336e+06											



							300.7	5792.42	3.601e+04	1294.09	1.476e+05	-	
2694.243.572e+06	11	78	4.630e+06	1.622e+04	0.06	-7.44e-03	0.0	2746.20	4.661e+04	1507.45	2.404e+05	-4.371e+05	-
9.387e+06			-9.387e+06	-4.371e+05	0.10	0.0	150.3	5001.43	4.661e+04	1507.45	2.404e+05	-2.104e+05	-
2.379e+06							300.7	7256.67	4.661e+04	1507.45	2.404e+05	1.622e+04	4.6
30e+06	11	80	4.871e+06	-2.946e+04	0.12	-7.44e-03	0.0	1.490e+04	4.976e+04	4314.21	3.671e+05	-1.327e+06	-
1.009e+07			-1.009e+07	-1.327e+06	0.18	0.0	150.3	1.715e+04	4.976e+04	4314.21	3.671e+05	-6.781e+05	-
2.611e+06							300.7	1.941e+04	4.976e+04	4314.21	3.671e+05	-	
2.946e+044.871e+06	11	81	3.572e+06	-2694.24	0.05	-7.44e-03	0.0	1281.96	3.601e+04	1294.09	1.476e+05	-3.918e+05	-
7.256e+06			-7.256e+06	-3.918e+05	0.07	0.0	150.3	3537.19	3.601e+04	1294.09	1.476e+05	-1.973e+05	-
1.842e+06							300.7	5792.42	3.601e+04	1294.09	1.476e+05	-	
2694.243.572e+06	11	82	4.207e+06	8657.30	0.06	-7.44e-03	0.0	2160.50	4.237e+04	1422.11	2.033e+05	-4.190e+05	-
8.535e+06			-8.535e+06	-4.190e+05	0.08	0.0	150.3	4415.74	4.237e+04	1422.11	2.033e+05	-2.052e+05	-
2.164e+06							300.7	6670.97	4.237e+04	1422.11	2.033e+05	8657.30	4.2
07e+06	12	2	3.238e+06	-1.778e+05	0.25	1.77e-03	0.0	4.820e+04	2.102e+04	1344.37	-1.650e+05	-7.538e+05	-
5.769e+06			-5.769e+06	-7.538e+05	0.50	0.0	214.2	5.254e+04	2.102e+04	1344.37	-1.650e+05	-4.658e+05	-
1.265e+06							428.4	5.688e+04	2.102e+04	1344.37	-1.650e+05	-	
1.778e+053.238e+06	12	3	-7.510e+04	-1.793e+05	0.18	1.31e-03	0.0	3.078e+04	43.68	860.88	-3.098e+05	-5.482e+05	-
9.382e+04			-9.382e+04	-5.482e+05	0.29	0.0	214.2	3.399e+04	43.69	860.88	-3.098e+05	-3.637e+05	-
8.446e+04							428.4	3.720e+04	43.69	860.88	-3.098e+05	-1.793e+05	-
7.510e+04	12	4	2.280e+06	-1.769e+05	0.23	1.31e-03	0.0	4.568e+04	1.497e+04	1275.18	-1.783e+05	-7.233e+05	-
4.134e+06			-4.134e+06	-7.233e+05	0.47	0.0	214.2	4.889e+04	1.497e+04	1275.18	-1.783e+05	-4.501e+05	-
9.270e+05							428.4	5.210e+04	1.497e+04	1275.18	-1.783e+05	-	
1.769e+052.280e+06	12	6	1.675e+06	-2.387e+05	0.28	1.77e-03	0.0	5.236e+04	1.131e+04	1459.09	-3.195e+05	-8.639e+05	-
3.171e+06			-3.171e+06	-8.639e+05	0.52	0.0	214.2	5.670e+04	1.131e+04	1459.09	-3.195e+05	-5.513e+05	-
7.482e+05							428.4	6.104e+04	1.131e+04	1459.09	-3.195e+05	-	
2.387e+051.675e+06	12	29	3.424e+06	-1.042e+05	0.07	1.31e-03	0.0	1.103e+04	2.154e+04	2772.97	-3.117e+05	-1.254e+06	-
5.803e+06			-5.803e+06	-1.254e+06	-0.13	0.0	214.2	1.425e+04	2.154e+04	2772.97	-3.117e+05	-6.793e+05	-
1.190e+06							428.4	1.746e+04	2.154e+04	2772.97	-3.117e+05	-	
1.042e+053.424e+06	12	32	2.517e+06	1.041e+06	0.05	1.31e-03	0.0	6240.32	1.598e+04	-2280.63	4.255e+05	1.041e+06	-
4.331e+06			-4.331e+06	1.013e+05	0.32	0.0	214.2	9453.64	1.598e+04	-2280.63	4.255e+05	5.709e+05	-
9.069e+05							428.4	1.267e+04	1.598e+04	-			
2280.634.255e+051.013e+052.517e+06	12	37	3.449e+06	-1.185e+05	0.07	1.31e-03	0.0	1.081e+04	2.168e+04	2281.18	-2.960e+05	-1.063e+06	-
5.839e+06			-5.839e+06	-1.063e+06	-0.10	0.0	214.2	1.402e+04	2.168e+04	2281.18	-2.960e+05	-5.906e+05	-
1.195e+06							428.4	1.723e+04	2.168e+04	2281.18	-2.960e+05	-	
1.185e+053.449e+06	12	61	3.282e+06	-7.079e+04	0.07	1.31e-03	0.0	1.028e+04	2.067e+04	2032.18	-2.043e+05	-9.206e+05	-
5.576e+06			-5.576e+06	-9.206e+05	-0.07	0.0	214.2	1.350e+04	2.067e+04	2032.18	-2.043e+05	-4.957e+05	-
1.147e+06							428.4	1.671e+04	2.067e+04	2032.18	-2.043e+05	-	
7.079e+043.282e+06	12	64	2.658e+06	7.067e+05	0.06	1.31e-03	0.0	6990.02	1.684e+04	-1539.83	3.181e+05	7.067e+05	-
4.558e+06			-4.558e+06	6.788e+04	0.26	0.0	214.2	1.020e+04	1.684e+04	-1539.83	3.181e+05	3.873e+05	-
9.502e+05							428.4	1.342e+04	1.684e+04	-			
1539.833.181e+056.788e+042.658e+06													



12	69	3.300e+06	-8.202e+04	0.07	1.31e-03	0.0	1.012e+04	2.078e+04	1679.50	-1.935e+05	-7.834e+05	-
5.601e+06		-5.601e+06	-7.834e+05	-0.05	0.0	214.2	1.333e+04	2.078e+04	1679.50	-1.935e+05	-4.327e+05	-
1.150e+06												
						428.4	1.655e+04	2.078e+04	1679.50	-1.935e+05		-
8.202e+04	3.300e+06											
12	73	8.075e+05	-1.208e+05	0.14	1.31e-03	0.0	2.269e+04	5444.05	635.04	-1.964e+05	-3.929e+05	-
1.525e+06		-1.525e+06	-3.929e+05	0.22	0.0	214.2	2.590e+04	5444.05	635.04	-1.964e+05	-2.568e+05	-
3.588e+05												
						428.4	2.911e+04	5444.06	635.04	-1.964e+05		-
1.208e+05	58.075e+05											
12	74	2.377e+06	-1.192e+05	0.18	1.31e-03	0.0	3.262e+04	1.539e+04	911.24	-1.087e+05	-5.096e+05	-
4.218e+06		-4.218e+06	-5.096e+05	0.34	0.0	214.2	3.583e+04	1.539e+04	911.24	-1.087e+05	-3.144e+05	-
9.204e+05												
						428.4	3.905e+04	1.539e+04	911.24	-1.087e+05		-
1.192e+05	52.377e+06											
12	76	1.342e+06	-1.593e+05	0.19	1.31e-03	0.0	3.532e+04	8965.97	985.62	-2.107e+05	-5.816e+05	-
2.499e+06		-2.499e+06	-5.816e+05	0.35	0.0	214.2	3.853e+04	8965.97	985.62	-2.107e+05	-3.704e+05	-
5.782e+05												
						428.4	4.174e+04	8965.97	985.62	-2.107e+05		-
1.593e+05	51.342e+06											
12	77	2.048e+06	-3.362e+04	0.08	1.31e-03	0.0	1.020e+04	1.302e+04	289.11	-2.993e+04	-1.575e+05	-
3.530e+06		-3.530e+06	-1.575e+05	0.10	0.0	214.2	1.341e+04	1.302e+04	289.11	-2.993e+04	-9.556e+04	-
7.409e+05												
						428.4	1.662e+04	1.302e+04	289.11	-2.993e+04		-
3.362e+04	52.048e+06											
12	78	2.833e+06	-3.283e+04	0.09	1.31e-03	0.0	1.517e+04	1.799e+04	427.21	1.391e+04	-2.159e+05	-
4.877e+06		-4.877e+06	-2.159e+05	0.16	0.0	214.2	1.838e+04	1.799e+04	427.21	1.391e+04	-1.244e+05	-
1.022e+06												
						428.4	2.159e+04	1.799e+04	427.21	1.391e+04		-
3.283e+04	52.833e+06											
12	80	1.278e+06	-1.203e+05	0.15	1.31e-03	0.0	2.567e+04	8429.16	717.90	-1.701e+05	-4.279e+05	-
2.333e+06		-2.333e+06	-4.279e+05	0.25	0.0	214.2	2.888e+04	8429.16	717.90	-1.701e+05	-2.741e+05	-
5.273e+05												
						428.4	3.209e+04	8429.16	717.90	-1.701e+05		-
1.203e+05	51.278e+06											
12	81	2.048e+06	-3.362e+04	0.08	1.31e-03	0.0	1.020e+04	1.302e+04	289.11	-2.993e+04	-1.575e+05	-
3.530e+06		-3.530e+06	-1.575e+05	0.10	0.0	214.2	1.341e+04	1.302e+04	289.11	-2.993e+04	-9.556e+04	-
7.409e+05												
						428.4	1.662e+04	1.302e+04	289.11	-2.993e+04		-
3.362e+04	52.048e+06											
12	82	2.519e+06	-3.315e+04	0.09	1.31e-03	0.0	1.318e+04	1.600e+04	371.97	-3625.76	-1.925e+05	-
4.338e+06		-4.338e+06	-1.925e+05	0.14	0.0	214.2	1.639e+04	1.600e+04	371.97	-3625.76	-1.128e+05	-
9.094e+05												
						428.4	1.960e+04	1.600e+04	371.97	-3625.76		-
3.315e+04	52.519e+06											
13	2	6.433e+05	4.126e+05	0.18	5.92e-03	0.0	4.095e+04	-2400.92	-1058.47		-	
2.586e+05	54.126e+05	6.433e+05										
		-5.715e+05	-1.230e+05	0.51	0.0	253.0	4.607e+04	-2400.92	-1058.47		-	
2.586e+05	51.448e+05	6.590e+04										
						506.0	5.119e+04	-2400.91	-1058.47	-2.586e+05	-1.230e+05	-
5.715e+05												
13	3	3.379e+06	5.303e+05	0.13	4.38e-03	0.0	1.805e+04	-1.128e+04	-1235.03		-	
3.213e+05	55.303e+05	3.379e+06										
		-2.328e+06	-9.460e+04	0.23	0.0	253.0	2.184e+04	-1.128e+04	-1235.03		-	
3.213e+05	52.179e+05	5.255e+05										
						506.0	2.564e+04	-1.128e+04	-1235.03	-3.213e+05	-9.460e+04	-
2.328e+06												
13	6	3.064e+06	6.318e+05	0.20	5.92e-03	0.0	3.842e+04	-1.036e+04	-1534.62		-	
3.882e+05	56.318e+05	5.064e+06										
		-2.180e+06	-1.447e+05	0.49	0.0	253.0	4.354e+04	-1.036e+04	-1534.62		-	
3.882e+05	52.436e+05	5.419e+05										
						506.0	4.867e+04	-1.036e+04	-1534.62	-3.882e+05	-1.447e+05	-
2.180e+06												
13	7	5.217e+06	7.169e+05	0.16	4.38e-03	0.0	2.123e+04	-1.735e+04	-1661.05		-	
4.333e+05	57.169e+05	5.217e+06										
		-3.563e+06	-1.236e+05	0.29	0.0	253.0	2.502e+04	-1.735e+04	-1661.05		-	
4.333e+05	52.966e+05	5.272e+05										
						506.0	2.882e+04	-1.735e+04	-1661.05	-4.333e+05	-1.236e+05	-
3.563e+06												
13	21	2.077e+06	-1.180e+04	0.04	4.38e-03	0.0	1.504e+04	1.035e+04	988.05	-7.029e+04	-4.879e+05	-
3.158e+06												



5.405e+05	-3.158e+06	-4.879e+05	0.03	0.0	253.0	1.884e+04	1.035e+04	988.05	-7.029e+04	-2.499e+05	-	
					506.0	2.263e+04	1.035e+04	988.05	-7.029e+04		-	
1.180e+04	2.077e+06											
13	29	1.899e+06	8.255e+04	0.06	4.38e-03	0.0	1.607e+04	9490.16	3244.41	-2.099e+05	-1.553e+06	-
2.903e+06		-2.903e+06	-1.553e+06	-0.26	0.0	253.0	1.987e+04	9490.16	3244.41	-2.099e+05	-7.350e+05	-
5.023e+05												
					506.0	2.366e+04	9490.17	3244.41		-		
2.099e+05	8.255e+04	1.899e+06										
13	32	1.274e+06	1.468e+06	0.04	4.38e-03	0.0	9660.57	6529.58	-3134.21	2.521e+05	1.468e+06	-
2.030e+06												
		-2.030e+06	-1.112e+05	0.51	0.0	253.0	1.346e+04	6529.58	-3134.21	2.521e+05	6.785e+05	-
3.783e+05												
					506.0	1.725e+04	6529.58	-3134.21	2.521e+05		-	
1.112e+05	1.274e+06											
13	53	1.889e+06	-1.146e+04	0.04	4.38e-03	0.0	1.424e+04	9451.64	705.95	-4.299e+04	-3.541e+05	-
2.893e+06												
		-2.893e+06	-3.541e+05	0.05	0.0	253.0	1.803e+04	9451.64	705.95	-4.299e+04	-1.828e+05	-
5.021e+05												
					506.0	2.183e+04	9451.64	705.95	-4.299e+04		-	
1.146e+04	1.889e+06											
13	61	1.794e+06	5.484e+04	0.06	4.38e-03	0.0	1.509e+04	8991.93	2321.76	-1.410e+05	-1.116e+06	-
2.756e+06												
		-2.756e+06	-1.116e+06	-0.15	0.0	253.0	1.888e+04	8991.93	2321.76	-1.410e+05	-5.305e+05	-
4.812e+05												
					506.0	2.268e+04	8991.93	2321.76		-		
1.410e+05	5.484e+04	1.794e+06										
13	64	1.379e+06	1.031e+06	0.04	4.38e-03	0.0	1.065e+04	7027.81	-2211.55	1.832e+05	1.031e+06	-
2.177e+06												
		-2.177e+06	-8.349e+04	0.40	0.0	253.0	1.444e+04	7027.81	-2211.55	1.832e+05	4.740e+05	-
3.994e+05												
					506.0	1.824e+04	7027.82	-2211.55	1.832e+05		-	
8.349e+04	1.379e+06											
13	73	1.550e+06	3.478e+05	0.10	4.38e-03	0.0	1.534e+04	-5236.70	-819.14		-	
2.117e+05	3.478e+05	1.550e+06										
		-1.100e+06	-6.673e+04	0.18	0.0	253.0	1.914e+04	-5236.70	-819.14		-	
2.117e+05	1.405e+05	2.247e+05										
					506.0	2.293e+04	-5236.70	-819.14	-2.117e+05	-6.673e+04	-	
1.100e+06												
13	74	2.566e+05	2.751e+05	0.13	4.38e-03	0.0	2.803e+04	-1042.13	-707.75		-	
1.727e+05	2.751e+05	2.566e+05										
		-2.707e+05	-8.299e+04	0.35	0.0	253.0	3.183e+04	-1042.13	-707.75	-1.727e+05	9.607e+04	-
7017.38												
					506.0	3.562e+04	-1042.13	-707.75	-1.727e+05	-8.299e+04	-	
2.707e+05												
13	75	2.759e+06	4.705e+05	0.12	4.38e-03	0.0	1.744e+04	-9232.77	-1099.42		-	
2.854e+05	4.705e+05	2.759e+06										
		-1.913e+06	-8.582e+04	0.22	0.0	253.0	2.123e+04	-9232.77	-1099.42		-	
2.854e+05	1.923e+05	4.232e+05										
					506.0	2.503e+04	-9232.76	-1099.42	-2.854e+05	-8.582e+04	-	
1.913e+06												
13	76	1.854e+06	4.196e+05	0.14	4.38e-03	0.0	2.632e+04	-6296.57	-1021.45		-	
2.581e+05	4.196e+05	1.854e+06										
		-1.332e+06	-9.720e+04	0.33	0.0	253.0	3.012e+04	-6296.57	-1021.45		-	
2.581e+05	1.612e+05	2.610e+05										
					506.0	3.391e+04	-6296.56	-1021.45	-2.581e+05	-9.720e+04	-	
1.332e+06												
13	77	6.873e+05	7.776e+04	0.06	4.38e-03	0.0	1.073e+04	3554.65	-202.54	-4.955e+04	7.776e+04	-
1.111e+06												
		-1.111e+06	-2.472e+04	0.11	0.0	253.0	1.453e+04	3554.65	-202.54	-4.955e+04	2.652e+04	-
2.120e+05												
					506.0	1.832e+04	3554.65	-202.54	-4.955e+04		-	
2.472e+04	6.873e+05											
13	78	1.102e+06	4.145e+04	0.07	4.38e-03	0.0	1.708e+04	5651.93	-146.84	-3.006e+04	4.145e+04	-
1.758e+06												
		-1.758e+06	-3.285e+04	0.19	0.0	253.0	2.088e+04	5651.93	-146.84	-3.006e+04	4298.15	-
3.279e+05												
					506.0	2.467e+04	5651.94	-146.84	-3.006e+04		-	
3.285e+04	1.102e+06											
13	79	1.550e+06	3.478e+05	0.10	4.38e-03	0.0	1.534e+04	-5236.70	-819.14		-	
2.117e+05	3.478e+05	1.550e+06										
		-1.100e+06	-6.673e+04	0.18	0.0	253.0	1.914e+04	-5236.70	-819.14		-	
2.117e+05	1.405e+05	2.247e+05										
					506.0	2.293e+04	-5236.70	-819.14	-2.117e+05	-6.673e+04	-	
1.100e+06												
13	80	1.162e+06	3.260e+05	0.11	4.38e-03	0.0	1.915e+04	-3978.33	-785.73		-	
2.000e+05	3.260e+05	1.162e+06										
		-8.513e+05	-7.161e+04	0.23	0.0	253.0	2.294e+04	-3978.33	-785.73		-	
2.000e+05	1.272e+05	1.552e+05										



8.513e+05						506.0	2.674e+04	-3978.33	-785.73	-2.000e+05	-7.161e+04	-
13	81	6.873e+05	7.776e+04	0.06	4.38e-03	0.0	1.073e+04	3554.65	-202.54	-4.955e+04	7.776e+04	-
1.111e+06		-1.111e+06	-2.472e+04	0.11	0.0	253.0	1.453e+04	3554.65	-202.54	-4.955e+04	2.652e+04	-
2.120e+05						506.0	1.832e+04	3554.65	-202.54	-4.955e+04		-
2.472e+046.873e+05												
13	82	9.362e+05	5.597e+04	0.06	4.38e-03	0.0	1.454e+04	4813.02	-169.12	-3.785e+04	5.597e+04	-
1.499e+06		-1.499e+06	-2.960e+04	0.15	0.0	253.0	1.834e+04	4813.02	-169.12	-3.785e+04	1.319e+04	-
2.815e+05						506.0	2.213e+04	4813.02	-169.12	-3.785e+04		-
2.960e+049.362e+05												
14	2	7.733e+06	2.220e+04	-0.05	-5.92e-03	0.0	3.374e+04	-2.527e+04	86.71	-1.702e+05		-
2.167e+047.733e+06		-5.054e+06	-2.167e+04	0.38	0.0	253.0	3.887e+04	-2.527e+04	86.71	-		-
1.702e+05267.771.340e+06						506.0	4.399e+04	-2.527e+04	86.71	-1.702e+05	2.220e+04	-
5.054e+06												
14	3	5.076e+06	1.003e+05	-0.02	-4.38e-03	0.0	1.097e+04	-1.666e+04	-115.23	-		-
9.942e+041.003e+055.076e+06		-3.355e+06	4.196e+04	0.10	0.0	253.0	1.476e+04	-1.666e+04	-115.23	-		-
9.942e+047.112e+048.602e+05						506.0	1.856e+04	-1.666e+04	-115.23	-9.942e+04	4.196e+04	-
3.355e+06												
14	6	8.206e+06	5.307e+04	-0.04	-5.92e-03	0.0	2.887e+04	-2.688e+04	-19.66	-		-
1.797e+055.307e+048.206e+06		-5.394e+06	4.313e+04	0.31	0.0	253.0	3.400e+04	-2.688e+04	-19.66	-		-
1.797e+054.810e+041.406e+06						506.0	3.912e+04	-2.688e+04	-19.66	-1.797e+05	4.313e+04	-
5.394e+06												
14	7	6.108e+06	1.412e+05	0.03	-4.38e-03	0.0	1.179e+04	-2.008e+04	-165.36	-		-
1.282e+051.412e+056.108e+06		-4.053e+06	5.752e+04	0.11	0.0	253.0	1.558e+04	-2.008e+04	-165.36	-		-
1.282e+059.936e+041.028e+06						506.0	1.938e+04	-2.008e+04	-165.36	-1.282e+05	5.752e+04	-
4.053e+06												
14	19	3.172e+06	-4038.45	-0.03	-4.38e-03	0.0	1.493e+04	-1.037e+04	1002.73	6.135e+04		-
4.887e+053.172e+06		-2.073e+06	-4.887e+05	0.02	0.0	253.0	1.872e+04	-1.037e+04	1002.73	6.135e+04		-
2.464e+055.495e+05						506.0	2.252e+04	-1.037e+04	1002.73	6.135e+04	-4038.45	-
2.073e+06												
14	31	3.184e+06	4.422e+04	-0.04	-4.38e-03	0.0	1.563e+04	-1.036e+04	2827.77	2.529e+05		-
1.384e+063.184e+06		-2.057e+06	-1.384e+06	-0.23	0.0	253.0	1.942e+04	-1.036e+04	2827.77	2.529e+05		-
6.700e+055.634e+05						506.0	2.322e+04	-1.036e+04	2827.77	2.529e+05	4.422e+04	-
2.057e+06												
14	38	1.811e+06	1.466e+06	-0.04	-4.38e-03	0.0	9678.02	-5838.82	-3123.48	-		-
2.520e+051.466e+061.811e+06		-1.143e+06	-1.080e+05	0.51	0.0	253.0	1.347e+04	-5838.82	-3123.48	-		-
2.520e+056.791e+053.338e+05						506.0	1.727e+04	-5838.82	-3123.48	-2.520e+05	-1.080e+05	-
1.143e+06												
14	39	3.079e+06	9.254e+04	-0.04	-4.38e-03	0.0	1.581e+04	-1.001e+04	3266.44	1.958e+05		-
1.554e+063.079e+06		-1.984e+06	-1.554e+06	-0.26	0.0	253.0	1.961e+04	-1.001e+04	3266.44	1.958e+05		-
7.307e+055.475e+05						506.0	2.340e+04	-1.001e+04	3266.44	1.958e+05	9.254e+04	-
1.984e+06												
14	63	2.951e+06	2.851e+04	-0.04	-4.38e-03	0.0	1.473e+04	-9588.43	2029.53	1.699e+05		-
9.965e+052.951e+06		-1.901e+06	-9.965e+05	-0.13	0.0	253.0	1.853e+04	-9588.43	2029.53	1.699e+05		-
4.840e+055.253e+05						506.0	2.232e+04	-9588.43	2029.53	1.699e+05	2.851e+04	-
1.901e+06												
14	70	2.013e+06	1.030e+06	-0.04	-4.38e-03	0.0	1.062e+04	-6505.83	-2200.05	-		-
1.852e+051.030e+062.013e+06		-1.279e+06	-7.933e+04	0.40	0.0	253.0	1.442e+04	-6505.83	-2200.05	-		-
1.852e+054.753e+053.674e+05						506.0	1.821e+04	-6505.84	-2200.05	-1.852e+05	-7.933e+04	-
1.279e+06												
14	71	2.877e+06	6.389e+04	-0.04	-4.38e-03	0.0	1.487e+04	-9340.58	2343.01	1.290e+05		-
1.118e+062.877e+06		-1.849e+06	-1.118e+06	-0.15	0.0	253.0	1.866e+04	-9340.58	2343.01	1.290e+05		-
5.269e+055.140e+05						506.0	2.246e+04	-9340.58	2343.01	1.290e+05	6.389e+04	-
1.849e+06												



14	73	4.110e+06	5.943e+04	-0.02	-4.38e-03	0.0	1.057e+04	-1.346e+04	-64.94	-	
7.205e+045.943e+044.110e+06											
		-2.701e+06	2.657e+04	0.10	0.0	253.0	1.436e+04	-1.346e+04	-64.94	-	
7.205e+044.300e+047.041e+05											
						506.0	1.816e+04	-1.346e+04	-64.94	-7.205e+04	2.657e+04
2.701e+06											
14	74	5.352e+06	1.465e+04	-0.03	-4.38e-03	0.0	2.320e+04	-1.749e+04	60.02	-1.149e+05	-
1.572e+045.352e+06											
		-3.496e+06	-1.572e+04	0.26	0.0	253.0	2.700e+04	-1.749e+04	60.02	-1.149e+05	-
537.089.283e+05											
						506.0	3.079e+04	-1.749e+04	60.02	-1.149e+05	1.465e+04
3.496e+06											
14	75	4.789e+06	8.635e+04	-0.02	-4.38e-03	0.0	1.110e+04	-1.571e+04	-97.92	-	
9.099e+048.635e+044.789e+06											
		-3.160e+06	3.680e+04	0.10	0.0	253.0	1.490e+04	-1.571e+04	-97.92	-	
9.099e+046.158e+048.143e+05											
						506.0	1.869e+04	-1.571e+04	-97.92	-9.099e+04	3.680e+04
3.160e+06											
14	76	5.659e+06	3.375e+04	-0.03	-4.38e-03	0.0	1.995e+04	-1.853e+04	-10.44	-	
1.210e+053.375e+045.659e+06											
		-3.716e+06	2.846e+04	0.22	0.0	253.0	2.374e+04	-1.853e+04	-10.44	-	
1.210e+053.110e+049.713e+05											
						506.0	2.754e+04	-1.853e+04	-10.44	-1.210e+05	2.846e+04
3.716e+06											
14	77	2.616e+06	4045.10	-0.03	-4.38e-03	0.0	9384.22	-8514.20	7.61	-	
3.040e+04194.982.616e+06											
		-1.692e+06	194.98	0.08	0.0	253.0	1.318e+04	-8514.20	7.61	-	
3.040e+042120.044.616e+05											
						506.0	1.697e+04	-8514.21	7.61	-3.040e+04	4045.10
1.692e+06											
14	78	3.237e+06	-1913.65	-0.04	-4.38e-03	0.0	1.570e+04	-1.053e+04	70.09	-5.182e+04	-
3.738e+043.237e+06											
		-2.090e+06	-3.738e+04	0.16	0.0	253.0	1.950e+04	-1.053e+04	70.09	-5.182e+04	-
1.965e+045.737e+05											
						506.0	2.329e+04	-1.053e+04	70.09	-5.182e+04	-1913.65
2.090e+06											
14	79	4.110e+06	5.943e+04	-0.02	-4.38e-03	0.0	1.057e+04	-1.346e+04	-64.94	-	
7.205e+045.943e+044.110e+06											
		-2.701e+06	2.657e+04	0.10	0.0	253.0	1.436e+04	-1.346e+04	-64.94	-	
7.205e+044.300e+047.041e+05											
						506.0	1.816e+04	-1.346e+04	-64.94	-7.205e+04	2.657e+04
2.701e+06											
14	80	4.482e+06	3.688e+04	-0.02	-4.38e-03	0.0	1.436e+04	-1.467e+04	-27.45	-	
8.491e+043.688e+044.482e+06											
		-2.940e+06	2.299e+04	0.14	0.0	253.0	1.815e+04	-1.467e+04	-27.45	-	
8.491e+042.994e+047.714e+05											
						506.0	2.195e+04	-1.467e+04	-27.45	-8.491e+04	2.299e+04
2.940e+06											
14	81	2.616e+06	4045.10	-0.03	-4.38e-03	0.0	9384.22	-8514.20	7.61	-	
3.040e+04194.982.616e+06											
		-1.692e+06	194.98	0.08	0.0	253.0	1.318e+04	-8514.20	7.61	-	
3.040e+042120.044.616e+05											
						506.0	1.697e+04	-8514.21	7.61	-3.040e+04	4045.10
1.692e+06											
14	82	2.988e+06	469.85	-0.03	-4.38e-03	0.0	1.317e+04	-9721.91	45.10	-4.325e+04	-
2.235e+042.988e+06											



-3.705e+06-1.020e+06	-0.11	0.0	214.2	1.492e+04-2.289e+04	2181.26	3.008e+05	-
5.694e+051.199e+06							
			428.4	1.813e+04-2.289e+04	2181.26	3.008e+05-1.188e+05	-
3.705e+06							
15 38 4.135e+06 1.111e+06	-0.06	-1.31e-03	0.0	7273.22-1.541e+04	-2457.81	-	
4.303e+051.111e+064.135e+06							
-2.465e+06 9.629e+04	0.32	0.0	214.2	1.049e+04-1.541e+04	-2457.81	-	
4.303e+056.036e+058.348e+05							
			428.4	1.370e+04-1.541e+04	-2457.81-4.303e+05	9.629e+04	-
2.465e+06							
15 39 6.066e+06-1.043e+05	-0.06	-1.31e-03	0.0	1.194e+04-2.275e+04	2680.95	3.174e+05	-
1.214e+066.066e+06							
-3.681e+06-1.214e+06	-0.14	0.0	214.2	1.515e+04-2.275e+04	2680.95	3.174e+05	-
6.594e+051.193e+06							
			428.4	1.836e+04-2.275e+04	2680.95	3.174e+05-1.043e+05	-
3.681e+06							
15 63 5.801e+06-8.293e+04	-0.06	-1.31e-03	0.0	1.104e+04-2.174e+04	1569.49	1.970e+05	-
7.370e+055.801e+06							
-3.514e+06-7.370e+05	-0.05	0.0	214.2	1.425e+04-2.174e+04	1569.49	1.970e+05	-
4.100e+051.143e+06							
			428.4	1.746e+04-2.174e+04	1569.49	1.970e+05-8.293e+04	-
3.514e+06							
15 70 4.427e+06 7.729e+05	-0.06	-1.31e-03	0.0	8004.64-1.652e+04	-1705.47	-	
3.216e+057.729e+054.427e+06							
-2.650e+06 6.350e+04	0.26	0.0	214.2	1.122e+04-1.652e+04	-1705.47	-	
3.216e+054.182e+058.883e+05							
			428.4	1.443e+04-1.652e+04	-1705.47-3.216e+05	6.350e+04	-
2.650e+06							
15 71 5.775e+06-7.149e+04	-0.06	-1.31e-03	0.0	1.120e+04-2.164e+04	1928.60	2.086e+05	-
8.765e+055.775e+06							
-3.496e+06-8.765e+05	-0.07	0.0	214.2	1.442e+04-2.164e+04	1928.60	2.086e+05	-
4.740e+051.139e+06							
			428.4	1.763e+04-2.164e+04	1928.60	2.086e+05-7.149e+04	-
3.496e+06							
15 73 5.905e+06 1.298e+04	-0.03	-1.31e-03	0.0	7106.17-2.217e+04	25.74	-	
5.119e+041955.625.905e+06							
-3.593e+06 1955.62	0.06	0.0	214.2	1.032e+04-2.217e+04	25.74	-	
5.119e+047469.121.156e+06							
			428.4	1.353e+04-2.217e+04	25.74-5.119e+04	1.298e+04	-
3.593e+06							
15 74 8.559e+06 1.296e+04	-0.06	-1.31e-03	0.0	1.764e+04-3.209e+04	217.51-1.412e+05	-	
8.023e+048.559e+06							
-5.190e+06-8.023e+04	0.18	0.0	214.2	2.086e+04-3.209e+04	217.51-1.412e+05	-	
3.363e+041.685e+06							
			428.4	2.407e+04-3.209e+04	217.51-1.412e+05	1.296e+04	-
5.190e+06							
15 75 6.438e+06 1.864e+04	-0.03	-1.31e-03	0.0	7327.20-2.419e+04	16.30	-	
5.842e+041.165e+046.438e+06							
-3.926e+06 1.165e+04	0.07	0.0	214.2	1.054e+04-2.419e+04	16.30	-	
5.842e+041.515e+041.256e+06							
			428.4	1.375e+04-2.419e+04	16.30-5.842e+04	1.864e+04	-
3.926e+06							
15 77 4.731e+06 539.09	-0.04	-1.31e-03	0.0	6619.90-1.772e+04	46.49-3.528e+04	-	
1.938e+044.731e+06							
-2.861e+06-1.938e+04	0.06	0.0	214.2	9833.22-1.772e+04	46.49-3.528e+04	-	
9420.239.354e+05							
			428.4	1.305e+04-1.772e+04	46.49-3.528e+04	539.09	-
2.861e+06							
15 78 6.058e+06 528.07	-0.06	-1.31e-03	0.0	1.189e+04-2.268e+04	142.38-8.027e+04	-	
6.047e+046.058e+06							
-3.659e+06-6.047e+04	0.12	0.0	214.2	1.510e+04-2.268e+04	142.38-8.027e+04	-	
2.997e+041.200e+06							
			428.4	1.832e+04-2.268e+04	142.38-8.027e+04	528.07	-
3.659e+06							
15 79 5.905e+06 1.298e+04	-0.03	-1.31e-03	0.0	7106.17-2.217e+04	25.74	-	
5.119e+041955.625.905e+06							
-3.593e+06 1955.62	0.06	0.0	214.2	1.032e+04-2.217e+04	25.74	-	
5.119e+047469.121.156e+06							
			428.4	1.353e+04-2.217e+04	25.74-5.119e+04	1.298e+04	-
3.593e+06							
15 80 6.701e+06 1.298e+04	-0.03	-1.31e-03	0.0	1.027e+04-2.514e+04	83.27-7.818e+04	-	
2.270e+046.701e+06							
-4.072e+06-2.270e+04	0.10	0.0	214.2	1.348e+04-2.514e+04	83.27-7.818e+04	-	
4861.951.315e+06							
			428.4	1.669e+04-2.514e+04	83.27-7.818e+04	1.298e+04	-
4.072e+06							
15 81 4.731e+06 539.09	-0.04	-1.31e-03	0.0	6619.90-1.772e+04	46.49-3.528e+04	-	
1.938e+044.731e+06							
-2.861e+06-1.938e+04	0.06	0.0	214.2	9833.22-1.772e+04	46.49-3.528e+04	-	
9420.239.354e+05							



2.861e+06							428.4	1.305e+04	-1.772e+04	46.49	-3.528e+04	539.09	-
15	82	5.528e+06	532.48	-0.05	-1.31e-03	0.0	9781.44	-2.070e+04	104.02	-6.227e+04		-	
4.404e+04	5.528e+06												
		-3.340e+06	-4.404e+04	0.09		0.0	214.2	1.299e+04	-2.070e+04	104.02	-6.227e+04		-
2.175e+04	1.094e+06												
							428.4	1.621e+04	-2.070e+04	104.02	-6.227e+04	532.48	-
3.340e+06													
16	2	1.892e+07	7.844e+04	-0.05		0.01	0.0	-4804.73	-9.376e+04	1183.31	-4.004e+05		-
2.774e+05	1.892e+07												
		-9.276e+06	-2.774e+05	0.13		0.0	150.3	-1760.17	-9.376e+04	1183.31	-4.004e+05		-
9.947e+04	4.821e+06												
							300.7	1284.40	-9.376e+04	1183.31	-4.004e+05	7.844e+04	-
9.276e+06													
16	5	1.278e+07	2.774e+04	-0.02		0.01	0.0	-8685.58	-6.348e+04	473.20	-1.371e+05		-
1.146e+05	1.278e+07												
		-6.306e+06	-1.146e+05	0.05		0.0	150.3	-5641.01	-6.348e+04	473.20	-1.371e+05		-
4.341e+04	3.238e+06												
							300.7	-2596.44	-6.348e+04	473.20	-1.371e+05	2.774e+04	-
6.306e+06													
16	18	7.919e+06	1.020e+05	-0.04	7.44e-03	0.0	-5209.57	-3.908e+04	-140.99		-		
2.230e+05	1.020e+05	5.791e+06											
		-3.832e+06	8.435e+04	0.07		0.0	150.3	-2954.34	-3.908e+04	-140.99		-	
2.230e+05	9.316e+04	2.044e+06											
							300.7	-699.10	-3.908e+04	-140.99	-2.230e+05	8.435e+04	-
3.832e+06													
16	19	9.293e+06	-4.226e+04	-0.03	7.44e-03	0.0	-3167.54	-4.615e+04	1079.12	-5.472e+04		-	
3.420e+05	9.293e+06												
		-4.584e+06	-3.420e+05	0.03		0.0	150.3	-912.30	-4.615e+04	1079.12	-5.472e+04		-
1.921e+05	2.354e+06												
							300.7	1342.93	-4.615e+04	1079.12	-5.472e+04	-4.226e+04	-
4.584e+06													
16	38	7.291e+06	6.311e+05	-0.03	7.44e-03	0.0	-4790.48	-3.596e+04	-1467.18		-		
4.723e+05	6.311e+05	5.7291e+06											
		-3.523e+06	2.219e+05	0.13		0.0	150.3	-2535.24	-3.596e+04	-1467.18		-	
4.723e+05	4.265e+05	1.884e+06											
							300.7	-280.01	-3.596e+04	-1467.18	-4.723e+05	2.219e+05	-
3.523e+06													
16	39	9.920e+06	-1.798e+05	-0.03	7.44e-03	0.0	-3586.63	-4.926e+04	2405.30	1.946e+05		-	
8.711e+05	9.920e+06												
		-4.894e+06	-8.711e+05	-0.03		0.0	150.3	-1331.40	-4.926e+04	2405.30	1.946e+05		-
5.254e+05	2.513e+06												
							300.7	923.84	-4.926e+04	2405.30	1.946e+05	-1.798e+05	-
4.894e+06													
16	50	8.160e+06	6.483e+04	-0.04	7.44e-03	0.0	-4805.08	-4.033e+04	62.72		-		
1.990e+05	3.175e+04	8.160e+06											
		-3.965e+06	3.175e+04	0.06		0.0	150.3	-2549.85	-4.033e+04	62.72		-	
1.990e+05	4.829e+04	2.097e+06											
							300.7	-294.61	-4.033e+04	62.72	-1.990e+05	6.483e+04	-
3.965e+06													
16	51	9.052e+06	-2.273e+04	-0.03	7.44e-03	0.0	-3572.02	-4.490e+04	875.41	-7.875e+04		-	
2.717e+05	9.052e+06												
		-4.451e+06	-2.717e+05	0.04		0.0	150.3	-1316.79	-4.490e+04	875.41	-7.875e+04		-
1.472e+05	2.301e+06												
							300.7	938.45	-4.490e+04	875.41	-7.875e+04	-2.273e+04	-
4.451e+06													
16	70	7.684e+06	4.079e+05	-0.03	7.44e-03	0.0	-4561.21	-3.795e+04	-871.22		-		
3.764e+05	4.079e+05	5.684e+06											
		-3.728e+06	1.631e+05	0.11		0.0	150.3	-2305.98	-3.795e+04	-871.22		-	
3.764e+05	2.855e+05	1.978e+06											
							300.7	-50.74	-3.795e+04	-871.22	-3.764e+05	1.631e+05	-
3.728e+06													
16	71	9.528e+06	-1.210e+05	-0.03	7.44e-03	0.0	-3815.90	-4.728e+04	1809.34	9.868e+04		-	
6.479e+05	9.528e+06												
		-4.688e+06	-6.479e+05	-8.31e-03		0.0	150.3	-1560.66	-4.728e+04	1809.34	9.868e+04		-
3.844e+05	2.420e+06												
							300.7	694.57	-4.728e+04	1809.34	9.868e+04	-1.210e+05	-
4.688e+06													
16	74	1.327e+07	5.303e+04	-0.03	7.44e-03	0.0	-3728.64	-6.577e+04	813.79	-2.735e+05		-	
1.917e+05	1.327e+07												
		-6.507e+06	-1.917e+05	0.09		0.0	150.3	-1473.40	-6.577e+04	813.79	-2.735e+05		-
6.932e+04	3.382e+06												
							300.7	781.83	-6.577e+04	813.79	-2.735e+05	5.303e+04	-
6.507e+06													
16	75	9.174e+06	1.921e+04	-0.02	7.44e-03	0.0	-6311.01	-4.555e+04	340.33	-9.790e+04		-	
8.313e+04	9.174e+06												
		-4.523e+06	-8.313e+04	0.03		0.0	150.3	-4055.77	-4.555e+04	340.33	-9.790e+04		-
3.196e+04	2.325e+06												
							300.7	-1800.54	-4.555e+04	340.33	-9.790e+04	1.921e+04	-
4.523e+06													



16	78	9.911e+06	3.006e+04	-0.03	7.44e-03	0.0	-4036.33	-4.909e+04	567.35	-1.771e+05	-
1.405e+059.911e+06											
		-4.851e+06	-1.405e+05	0.06	0.0	150.3	-1781.10	-4.909e+04	567.35	-1.771e+05	-
5.524e+042.530e+06											
						300.7	474.13	-4.909e+04	567.35	-1.771e+05	3.006e+04
4.851e+06											
16	79	8.688e+06	1.696e+04	-0.02	7.44e-03	0.0	-5946.75	-4.312e+04	336.74	-9.473e+04	-
8.430e+048.688e+06											
		-4.277e+06	-8.430e+04	0.03	0.0	150.3	-3691.52	-4.312e+04	336.74	-9.473e+04	-
3.367e+042.205e+06											
						300.7	-1436.28	-4.312e+04	336.74	-9.473e+04	1.696e+04
4.277e+06											
16	80	1.006e+07	2.778e+04	-0.02	7.44e-03	0.0	-5281.32	-4.991e+04	479.85	-1.484e+05	-
1.165e+051.006e+07											
		-4.946e+06	-1.165e+05	0.05	0.0	150.3	-3026.08	-4.991e+04	479.85	-1.484e+05	-
4.436e+042.558e+06											
						300.7	-770.85	-4.991e+04	479.85	-1.484e+05	2.778e+04
4.946e+06											
16	81	7.620e+06	1.202e+04	-0.02	7.44e-03	0.0	-5145.39	-3.777e+04	328.82	-8.777e+04	-
8.686e+047.620e+06											
		-3.736e+06	-8.686e+04	0.03	0.0	150.3	-2890.16	-3.777e+04	328.82	-8.777e+04	-
3.742e+041.942e+06											
						300.7	-634.92	-3.777e+04	328.82	-8.777e+04	1.202e+04
3.736e+06											
16	82	8.994e+06	2.284e+04	-0.03	7.44e-03	0.0	-4479.96	-4.456e+04	471.94	-1.414e+05	-
1.191e+058.994e+06											
		-4.405e+06	-1.191e+05	0.05	0.0	150.3	-2224.72	-4.456e+04	471.94	-1.414e+05	-
4.811e+042.295e+06											
						300.7	30.51	-4.456e+04	471.94	-1.414e+05	2.284e+04
4.405e+06											
17	2	4.059e+06	1.908e+05	0.07	0.0	0.0	3.716e+04	-1.297e+04	-349.01	-	-
1.966e+051.908e+054.059e+06											
		-2.839e+06	5121.50	0.46	0.0	266.0	4.254e+04	-1.297e+04	-349.01	-	-
1.966e+059.796e+046.098e+05											
						532.0	4.793e+04	-1.297e+04	-349.01	-1.966e+05	5121.50
2.839e+06											
17	3	4.091e+06	3.002e+05	0.06	0.0	0.0	1.333e+04	-1.306e+04	-503.43	-	-
1.896e+053.002e+054.091e+06											
		-2.858e+06	3.240e+04	0.16	0.0	266.0	1.732e+04	-1.306e+04	-503.43	-	-
1.896e+051.663e+056.166e+05											
						532.0	2.131e+04	-1.306e+04	-503.43	-1.896e+05	3.240e+04
2.858e+06											
17	5	5.479e+06	4.007e+05	0.08	0.0	0.0	1.881e+04	-1.749e+04	-672.79	-	-
2.542e+054.007e+055.479e+06											



	-4.057e+04	-1.596e+06	-0.30	0.0	266.0	2.044e+04	158.76	3276.26	3.876e+04	-
7.212e+05	1699.27									
					532.0	2.443e+04	158.76	3276.26	3.876e+04	1.540e+05
97e+04										4.3
17	32	2.870e+04	1.528e+06	1.01e-03	0.0	0.0	1.059e+04	-122.18	-3190.19	-
4.993e+04	1.528e+06	2.870e+04								
		-3.639e+04	-1.763e+05	0.57	0.0	266.0	1.458e+04	-122.18	-3190.19	-4.993e+04
3845.06										6.760e+05
										-
					532.0	1.857e+04	-122.18	-3190.19	-4.993e+04	-1.763e+05
3.639e+04										-
17	50	3.143e+05	3.059e+05	-5.42e-03	0.0	0.0	1.311e+04	1427.53	-660.17	-2.479e+04
4.454e+05										3.059e+05
										-
		-4.454e+05	-4.475e+04	0.23	0.0	266.0	1.710e+04	1427.53	-660.17	-2.479e+04
6.556e+04										1.306e+05
										-
					532.0	2.109e+04	1427.53	-660.17	-2.479e+04	-
4.475e+04	3.143e+05									-
17	51	4.335e+05	2.243e+04	0.01	0.0	0.0	1.393e+04	-1390.95	746.23	1.361e+04
3.740e+05	4.335e+05									-
		-3.067e+05	-3.740e+05	0.04	0.0	266.0	1.792e+04	-1390.95	746.23	1.361e+04
1.758e+05	4.335e+05									-
										-
					532.0	2.191e+04	-1390.95	746.23	1.361e+04	2.243e+04
3.067e+05										-
17	58	1.422e+05	1.081e+06	-2.50e-03	0.0	0.0	1.157e+04	672.81	-2263.35	-3.861e+04
2.157e+05										1.081e+06
										-
		-2.157e+05	-1.261e+05	0.45	0.0	266.0	1.556e+04	672.81	-2263.35	-3.861e+04
3.675e+04										4.775e+05
										-
					532.0	1.955e+04	672.81	-2263.35	-3.861e+04	-
1.261e+05	1.422e+05									-
17	59	2.039e+05	1.038e+05	8.31e-03	0.0	0.0	1.547e+04	-636.23	2349.41	2.744e+04
1.149e+06	2.039e+05									-
		-1.347e+05	-1.149e+06	-0.18	0.0	266.0	1.946e+04	-636.23	2349.41	2.744e+04
5.228e+05	2.039e+05									-
										-
					532.0	2.345e+04	-636.23	2349.41	2.744e+04	1.038e+05
1.347e+05										-
17	61	1.633e+04	1.043e+05	4.66e-03	0.0	0.0	1.558e+04	45.59	2341.84	2.609e+04
7977.38										-1.146e+06
										-
		-7977.38	-1.146e+06	-0.18	0.0	266.0	1.957e+04	45.59	2341.84	2.609e+04
5.207e+05	1.633e+04									-
										-
					532.0	2.356e+04	45.59	2341.84	2.609e+04	1.043e+05
33e+04										1.6
17	64	-3899.13	1.077e+06	1.15e-03	0.0	0.0	1.146e+04	-		



1.913e+06							532.0	2.034e+04	-8746.16	-332.31	-1.285e+05	1.944e+04	-
17	81	7.308e+05	4.256e+04	0.01	0.0	0.0	1.031e+04	-2332.68	-78.86	-			
3.761e+044.256e+047.308e+05													
		-5.101e+05	604.25	0.10	0.0	266.0	1.430e+04	-2332.68	-78.86	-			
3.761e+042.158e+041.104e+05													
						532.0	1.829e+04	-2332.68	-78.86	-3.761e+04	604.25	-	
5.101e+05													
17	82	7.245e+05	2.182e+04	0.01	0.0	0.0	1.426e+04	-2313.89	-49.13	-			
3.865e+042.182e+047.245e+05													
		-5.065e+05	-4314.00	0.15	0.0	266.0	1.825e+04	-2313.89	-49.13	-			
3.865e+048754.191.090e+05													
						532.0	2.224e+04	-2313.89	-49.13	-3.865e+04	-4314.00	-	
5.065e+05													
18	2	4.122e+06	-2.597e+04	0.07	0.0	0.0	4.139e+04	-1.315e+04	583.55	1.987e+05	-		
3.364e+054.122e+06													
		-2.874e+06	-3.364e+05	-0.30	0.0	266.0	4.677e+04	-1.315e+04	583.55	1.987e+05	-		
1.812e+056.238e+05													
						532.0	5.216e+04	-1.315e+04	583.55	1.987e+05	-2.597e+04	-	
2.874e+06													
18	3	4.091e+06	-3.240e+04	0.06	0.0	0.0	1.333e+04	-1.306e+04	503.43	1.896e+05	-		
3.002e+054.091e+06													
		-2.858e+06	-3.002e+05	-0.16	0.0	266.0	1.732e+04	-1.306e+04	503.43	1.896e+05	-		
1.663e+056.166e+05													
						532.0	2.131e+04	-1.306e+04	503.43	1.896e+05	-3.240e+04	-	
2.858e+06													
18	6	5.500e+06	-4.011e+04	0.09	0.0	0.0	3.561e+04	-1.755e+04	732.90	2.593e+05	-		
4.300e+055.500e+06													
		-3.839e+06	-4.300e+05	-0.30	0.0	266.0	4.099e+04	-1.755e+04	732.90	2.593e+05	-		
2.351e+058.307e+05													
						532.0	4.638e+04	-1.755e+04	732.90	2.593e+05	-4.011e+04	-	
3.839e+06													
18	8	5.500e+06	-4.280e+04	0.09	0.0	0.0	3.154e+04	-1.755e+04	738.64	2.575e+05	-		
4.358e+055.500e+06													
		-3.839e+06	-4.358e+05	-0.26	0.0	266.0	3.553e+04	-1.755e+04	738.64	2.575e+05	-		
2.393e+058.306e+05													
						532.0	3.952e+04	-1.755e+04	738.64	2.575e+05	-4.280e+04	-	
3.839e+06													
18	9	5.087e+05	5.484e+04	-0.01	0.0	0.0	1.384e+04	2303.63	995.59	3.512e+04	-4.742e+05	-	
7.171e+05													
		-7.171e+05	-4.742e+05	-0.24	0.0	266.0	1.783e+04	2303.63	995.59	3.512e+04	-2.097e		



18	44	4.461e+05	3.449e+05	0.01	0.0	0.0	1.477e+04	-1427.71	-699.32	-
1.320e+04	3.449e+05	4.461e+05								
		-3.137e+05	-2.659e+04	-0.01	0.0	266.0	1.876e+04	-1427.71	-699.32	-
1.320e+04	1.592e+05	6.620e+04				532.0	2.275e+04	-1427.71	-699.32	-1.320e+04 -2.659e+04 -
3.137e+05										
18	58	9333.66	1.116e+06	5.26e-03	0.0	0.0	1.642e+04	8.84	-2294.94	-
2.568e+04	1.116e+06	4584.99								
		4584.99	-1.085e+05	0.21	0.0	266.0	2.041e+04	8.84	-2294.94	-
2.568e+04	5.040e+05	6959.33				532.0	2.440e+04	8.84	-2294.94	-2.568e+04 -
1.085e+05	9333.66									
18	59	8663.23	1.225e+05	1.75e-03	0.0	0.0	1.231e+04	-45.77	2302.69	3.768e+04 -
1.107e+06	8663.23									
		-1.573e+04	-1.107e+06	-0.41	0.0	266.0	1.630e+04	-45.77	2302.69	3.768e+04 -4.921e+05 -
3535.56						532.0	2.029e+04	-45.77	2302.69	3.768e+04 1.225e+05 -
1.573e+04										
18	61	1.352e+05	1.219e+05	-1.90e-03	0.0	0.0	1.241e+04	636.05	2310.25	3.902e+04 -1.110e+06 -
2.032e+05										
		-2.032e+05	-1.110e+06	-0.41	0.0	266.0	1.640e+04	636.05	2310.25	3.902e+04 -4.942e+05 -
3.396e+04						532.0	2.039e+04	636.05	2310.25	3.902e+04 1.219e+05 1.3
52e+05										
18	64	2.164e+05	1.120e+06	8.91e-03	0.0	0.0	1.632e+04	-672.99	-2302.51	-
2.702e+04	1.120e+06	2.164e+05								
		-1.416e+05	-1.080e+05	0.21	0.0	266.0	2.031e+04	-672.99	-2302.51	-
2.702e+04	5.061e+05	739e+04				532.0	2.430e+04	-672.99	-2302.51	-2.702e+04 -1.080e+05 -
1.416e+05										
18	73	2.739e+06	-1.944e+04	0.04	0.0	0.0	1.236e+04	-8746.16	332.31	1.285e+05 -
1.962e+05	2.739e+06									
		-1.913e+06	-1.962e+05	-0.13	0.0	266.0	1.635e+04	-8746.16	332.31	1.285e+05 -
1.078e+05	4.130e+05					532.0	2.034e+04	-8746.16	332.31	1.285e+05 -1.944e+04 -
1.913e+06										
18	74	2.760e+06	-1.695e+04	0.05	0.0	0.0	2.835e+04	-8806.06	389.55	1.334e+05 -
2.242e+05	2.760e+06									
		-1.925e+06	-2.242e+05	-0.21	0.0	266.0	3.234e+04	-8806.06	389.55	1.334e+05 -
1.206e+05	4.177e+05					532.0	3.633e+04	-8806.06	389.55	1.334e+05 -1.695e+04 -
1.925e+06										
18	76	3.667e+06	-2.626e+04	0.06	0.0	0.0	2.449e+04	-1.170e+04	487.58	1.733e+05 -
2.856e+05	3.667e+06									
		-2.559e+06	-2.856e+05	-0.20	0.0	266.0	2.848e+04	-1.170e+04	487.58	1.733e+05 -
1.560e+05	5.539e+05					532.0	3.247e+04	-1.170e+04	487.58	1.733e+05 -2.626e+04 -
2.559e+06										
18	77	7.308e+05	-604.25	0.01	0.0	0.0	1.031e+04	-2332.68	78.86	3.761e+04 -
4.256e+04	7.308e+05									
		-5.101e+05	-4.256e+04	-0.10	0.0	266.0	1.430e+04	-2332.68	78.86	3.761e+04 -
2.158e+04	1.104e+05					532.0	1.829e+04	-2332.68	78.86	3.761e+04 -604.25 -
5.101e+05										
18	78	7.412e+05	643.83	0.01	0.0	0.0	1.831e+04	-2362.62	107.48	4.003e+04 -
5.654e+04	7.412e+05									
		-5.158e+05	-5.654e+04	-0.13	0.0	266.0	2.230e+04	-2362.62	107.48	4.003e+04 -
2.795e+04	1.127e+05					532.0	2.629e+04	-2362.62	107.48	4.003e+04 643.83 -
5.158e+05										
18	80	2.746e+06	-1.869e+04	0.04	0.0	0.0	1.716e+04	-8764.13	349.48	1.300e+05 -
2.046e+05	2.746e+06									
		-1.917e+06	-2.046e+05	-0.16	0.0	266.0	2.115e+04	-8764.13	349.48	1.300e+05 -
1.117e+05	4.144e+05					532.0	2.514e+04	-8764.13	349.48	1.300e+05 -1.869e+04 -
1.917e+06										
18	81	7.308e+05	-604.25	0.01	0.0	0.0	1.031e+04	-2332.68	78.86	3.761e+04 -
4.256e+04	7.308e+05									
		-5.101e+05	-4.256e+04	-0.10	0.0	266.0	1.430e+04	-2332.68	78.86	3.761e+04 -
2.158e+04	1.104e+05					532.0	1.829e+04	-2332.68	78.86	3.761e+04 -604.25 -
5.101e+05										
18	82	7.370e+05	144.60	0.01	0.0	0.0	1.511e+04	-2350.64	96.04	3.906e+04 -
5.095e+04	7.370e+05									
		-5.135e+05	-5.095e+04	-0.12	0.0	266.0	1.910e+04	-2350.64	96.04	3.906e+04 -
2.540e+04	1.118e+05					532.0	2.309e+04	-2350.64	96.04	3.906e+04 144.60 -
5.135e+05										

Pilas. M3 mx/mn M2 mx/mn D 2 / D 3 Q 2 / Q 3 N V 2 V 3 T



[illegible]



19	81	5.245e+06	1.493e+05	-0.19	-5742.57	0.0	2.041e+04	4.128e+04	-687.52	-7.570e+04	1.493e+05	-
8.251e+06		-8.251e+06	-9.230e+04	-2.57e-03	0.0	175.7	2.041e+04	3.841e+04	-687.52	-7.570e+04	2.849e+04	-
1.251e+06												
						351.4	2.041e+04	3.554e+04	-687.52	-7.570e+04		-
9.230e+04	5.245e+06											
19	82	6.432e+06	1.975e+05	-0.24	-7330.39	0.0	2.508e+04	5.075e+04	-914.35	-1.027e+05	1.975e+05	-
1.011e+07		-1.011e+07	-1.238e+05	-3.30e-03	0.0	175.7	2.508e+04	4.708e+04	-914.35	-1.027e+05	3.684e+04	-
1.518e+06												
						351.4	2.508e+04	4.342e+04	-914.35	-1.027e+05		-
1.238e+05	6.432e+06											
20	2	9.193e+06	3.154e+04	-0.54	-1.669e+04	0.0	1.270e+05	5.850e+04	-273.03	-2.973e+04	3.154e+04	-
9.438e+06		-9.438e+06	-6.990e+04	-1.90e-03	0.0	185.8	1.270e+05	5.015e+04	-273.03	-2.973e+04		-
1.918e+04	6.527e+05											
						371.5	1.270e+05	4.181e+04	-273.03	-2.973e+04		-
6.990e+04	9.193e+06											
20	3	4.169e+06	2.041e+04	-0.23	-5976.78	0.0	5.368e+04	2.639e+04	-157.68	-1.755e+04	2.041e+04	-
4.524e+06		-4.524e+06	-3.816e+04	-1.04e-03	0.0	185.8	5.368e+04	2.340e+04	-157.68	-1.755e+04		-
8873.739	9.98e+04											
						371.5	5.368e+04	2.041e+04	-157.68	-1.755e+04		-
3.816e+04	4.169e+06											
20	6	8.381e+06	3.275e+04	-0.48	-1.416e+04	0.0	1.130e+05	5.331e+04	-272.28	-2.915e+04	3.275e+04	-
8.791e+06		-8.791e+06	-6.841e+04	-1.83e-03	0.0	185.8	1.130e+05	4.622e+04	-272.28	-2.915e+04		-
1.783e+04	4.524e+05											
						371.5	1.130e+05	3.914e+04	-272.28	-2.915e+04		-
6.841e+04	8.381e+06											
20	33	3.285e+06	1.878e+05	-0.22	-7757.92	0.0	4.392e+04	2.137e+04	-1004.20	-1.100e+05	1.878e+05	-
3.207e+06		-3.207e+06	-1.877e+05	-0.01	0.0	185.8	4.392e+04	1.749e+04	-1004.20		-	
1.100e+05	84.78	3.992e+05										
						371.5	4.392e+04	1.362e+04	-1004.20	-1.100e+05		-
1.877e+05	3.285e+06											
20	35	3.405e+06	1.857e+05	-0.21	-7757.92	0.0	4.530e+04	2.203e+04	-1018.33	-1.120e+05	1.857e+05	-
3.345e+06		-3.345e+06	-1.908e+05	-0.01	0.0	185.8	4.530e+04	1.816e+04	-1018.33	-1.120e+05		-
2594.073	9.90e+05											
						371.5	4.530e+04	1.428e+04	-1018.33	-1.120e+05		-
1.908e+05	3.405e+06											
20	36	4.844e+06	1.287e+05	-0.29	-7757.92	0.0	7.263e+04	2.969e+04	766.49	7.675e+04	-1.585e+05	-
4.753e+06		-4.753e+06	-1.585e+05	0.01	0.0	185.8	7.263e+04	2.582e+04	766.49	7.675e+04		-
1.486e+04	4.055											



	-6.155e+06	-4.755e+04	-1.28e-03	0.0	185.8	7.957e+04	3.241e+04	-189.15	-2.055e+04	-	
1.242e+043.299e+05											
					371.5	7.957e+04	2.741e+04	-189.15	-2.055e+04	-	
4.755e+045.886e+06											
20 77 3.479e+06 1.513e+04 -0.21 -6075.25				0.0	4.856e+04	2.178e+04	-115.57	-1.613e+04	1.513e+04	-	
3.486e+06											
	-3.486e+06	-2.780e+04	-8.65e-04	0.0	185.8	4.856e+04	1.875e+04	-115.57	-1.613e+04	-	
6336.662.788e+05											
					371.5	4.856e+04	1.571e+04	-115.57	-1.613e+04	-	
2.780e+043.479e+06											
20 78 4.729e+06 1.666e+04 -0.29 -8879.69				0.0	6.695e+04	2.984e+04	-138.39	-1.784e+04	1.666e+04	-	
4.709e+06											
	-4.709e+06	-3.475e+04	-1.03e-03	0.0	185.8	6.695e+04	2.540e+04	-138.39	-1.784e+04	-	
9043.924.223e+05											
					371.5	6.695e+04	2.096e+04	-138.39	-1.784e+04	-	
3.475e+044.729e+06											
20 80 4.681e+06 1.979e+04 -0.27 -7757.92				0.0	6.321e+04	2.961e+04	-157.88	-1.854e+04	1.979e+04	-	
4.877e+06											
	-4.877e+06	-3.886e+04	-1.09e-03	0.0	185.8	6.321e+04	2.573e+04	-157.88	-1.854e+04	-	
9534.612.619e+05											
					371.5	6.321e+04	2.185e+04	-157.88	-1.854e+04	-	
3.886e+044.681e+06											
20 81 3.479e+06 1.513e+04 -0.21 -6075.25				0.0	4.856e+04	2.178e+04	-115.57	-1.613e+04	1.513e+04	-	
3.486e+06											
	-3.486e+06	-2.780e+04	-8.65e-04	0.0	185.8	4.856e+04	1.875e+04	-115.57	-1.613e+04	-	
6336.662.788e+05											
					371.5	4.856e+04	1.571e+04	-115.57	-1.613e+04	-	
2.780e+043.479e+06											
20 82 4.229e+06 1.605e+04 -0.26 -7757.92				0.0	5.959e+04	2.662e+04	-129.26	-1.715e+04	1.605e+04	-	
4.220e+06											
	-4.220e+06	-3.197e+04	-9.67e-04	0.0	185.8	5.959e+04	2.274e+04	-129.26	-1.715e+04	-	
7961.023.649e+05											
					371.5	5.959e+04	1.886e+04	-129.26	-1.715e+04	-	
3.197e+044.229e+06											
21 2 2.006e+07 1.164e+06 0.78 -1.576e+04				0.0	-3563.82	-1.274e+05	5435.24	8.609e+05	-		
7.461e+052.006e+07											
	-2.748e+07	-7.461e+05	0.03	0.0	175.7	-3563.82	-1.353e+05	5435.24	8.609e+05	2.088e+05	-
3.016e+06											
					351.4	-3563.82	-1.432e+05	5435.24	8.609e+05	1.164e+06	-
2.748e+07											
21 6 2.097e+07 1.341e+06 0.81 -1.338e+04				0.0	1951.69	-1.321e+05	6276.69	1.033e+06	-		
8.644e+052.097e+07											
	-2.779e+07	-8.644e+05	0.03	0.0	175.7	1951.69	-1.388e+05	6276.69	1.033e+06	2.383e+05	-
2.825e+06											
					351.4	1951.69	-1.455e+05	6276.69	1.033e+06</		



[illegible]



22	6	7.572e+06	5.747e+05	0.24	-6610.72	0.0	1.836e+05	-2.655e+04	-		
5968.293.051e+045.747e+057.572e+06											
		2.025e+06	-5.340e+05	0.02	0.0	92.9	1.836e+05	-2.986e+04	-		
5968.293.051e+042.035e+044.952e+06											
						185.8	1.836e+05	-3.317e+04	-5968.29	3.051e+04	-
5.340e+052.025e+06											
22	8	6.384e+06	5.790e+05	0.21	-5508.81	0.0	1.645e+05	-2.040e+04	-		
5913.281.248e+045.790e+056.384e+06											
		2.082e+06	-5.194e+05	0.02	0.0	92.9	1.645e+05	-2.316e+04	-		
5913.281.248e+042.982e+044.361e+06											
						185.8	1.645e+05	-2.591e+04	-5913.28	1.248e+04	-
5.194e+052.082e+06											
22	9	3.804e+06	-3.882e+04	0.11	-3688.88	0.0	5.533e+04	-1.954e+04	-127.61	8.709e+04	-
3.882e+043.804e+06											
		-2.068e+05	-6.471e+04	4.87e-03	0.0	92.9	5.533e+04	-2.138e+04	-127.61	8.709e+04	-
5.177e+041.884e+06											
						185.8	5.533e+04	-2.323e+04	-127.61	8.709e+04	-6.471e+04
2.068e+05											
22	12	3.766e+06	2.874e+04	0.13	-3688.88	0.0	6.571e+04	-1.940e+04	-		
369.782.075e+042.874e+04											
		3.766e+06	-1.416e+05	-3.776e+04	2.79e-04	0.0	92.9	6.571e+04	-2.125e+04	-369.78	2.075e+04
4506.931.898e+06											
						185.8	6.571e+04	-2.309e+04	-369.78	2.075e+04	-3.776e+04
1.416e+05											
22	26	4.395e+06	1.333e+05	0.14	-3688.88	0.0	6.138e+04	-2.368e+04	-821.27	-	
4.730e+041.333e+054.395e+06											
		-3.584e+05	-1.330e+04	-4.66e-03	0.0	92.9	6.138e+04	-2.552e+04	-821.27	-	
4.730e+045.999e+042.104e+06											
						185.8	6.138e+04	-2.736e+04	-821.27	-4.730e+04	-1.330e+04
3.584e+05											
22	27	3.176e+06	-8.917e+04	0.10	-3688.88	0.0	5.966e+04	-1.527e+04	323.87	1.551e+05	-
1.433e+053.176e+06											
		9978.15	-1.433e+05	9.76e-03	0.0	92.9	5.966e+04	-1.711e+04	323.87	1.551e+05	-
1.163e+051.678e+06											
						185.8	5.966e+04	-1.895e+04	323.87	1.551e+05	-
8.917e+049978.15											
22	34	4.368e+06	1.256e+05	0.13	-3688.88	0.0	6.042e+04	-2.358e+04	-812.36	-	
3.771e+041.256e+054.368e+06											
		-3.674e+05	-2.055e+04	-4.28e-03	0.0	92.9	6.042e+04	-2.542e+04	-812.36	-	
3.771e+045.250e+042.086e+06											
						185.8	6.042e+04	-2.727e+04	-812.36	-3.771e+04	-2.055e+04
3.674e+05											
22	41	3.774e+06	-2.977e+04	0.11	-3688.88	0.0	5.734e+04	-1.936e+04	-159.11	7.720e+04	-
2.977e+043.774e+06											
		-1.882e+05	-6.054e+04	4.18e-03	0.0	92.9	5.734e+04	-2.121e+04	-159.11	7.720e+04	-
4.516e+041.879e+06											
						185.8	5.734e+04	-2.305e+04	-159.11	7.720e+04	-6.054e+04
1.882e+05											
22	44	3.796e+06	1.970e+04	0.12	-3688.88	0.0	6.370e+04	-1.958e+04	-		
338.283.063e+041.970e+04											
		3.796e+06	-1.601e+05	-4.193e+04	9.22e-04	0.0	92.9	6.370e+04	-2.143e+04	-338.28	3.063e+04
1.112e+041.904e+06											
						185.8	6.370e+04	-2.327e+04	-338.28	3.063e+04	-4.193e+04
1.601e+05											
22	58	4.211e+06	9.270e+04	0.13	-3688.88	0.0</					



9.220e+05-3.064e+05	0.01	0.0	92.9	1.248e+05-2.664e+04	-3234.09	4.722e+04	-
5985.793.522e+06							
			185.8	1.248e+05-2.935e+04	-3234.09	4.722e+04	-
3.064e+059.220e+05							
22 76 5.326e+06 3.820e+05	0.17	-4681.24	0.0	1.268e+05-1.913e+04	-		
3985.462.356e+043.820e+055.326e+06							
1.337e+06-3.583e+05	0.01	0.0	92.9	1.268e+05-2.147e+04	-		
3985.462.356e+041.182e+043.440e+06							
			185.8	1.268e+05-2.381e+04	-3985.46	2.356e+04	-
3.583e+051.337e+06							
22 77 3.210e+06 6.366e+04	0.10	-2944.61	0.0	5.999e+04-1.493e+04	-		
822.373.258e+046.366e+04 3.210e+06							
1.635e+05-8.910e+04	3.24e-03	0.0	92.9	5.999e+04-1.640e+04	-822.37	3.258e+04	-
1.272e+041.755e+06							
			185.8	5.999e+04-1.787e+04	-822.37	3.258e+04	-
8.910e+041.635e+05							
22 78 4.372e+06 7.511e+04	0.14	-4185.06	0.0	7.814e+04-2.082e+04	-		
1050.905.267e+047.511e+044.372e+06							
1.169e+05-1.201e+05	4.59e-03	0.0	92.9	7.814e+04-2.291e+04	-1050.90	5.267e+04	-
2.249e+042.342e+06							
			185.8	7.814e+04-2.500e+04	-1050.90	5.267e+04	-
1.201e+051.169e+05							
22 80 4.243e+06 2.783e+05	0.14	-3688.88	0.0	9.938e+04-1.568e+04	-		
2914.161.910e+042.783e+054.243e+06							
9.873e+05-2.630e+05	8.19e-03	0.0	92.9	9.938e+04-1.753e+04	-		
2914.161.910e+04 7687.28 2.701e+06							
			185.8	9.938e+04-1.937e+04	-2914.16	1.910e+04	-
2.630e+059.873e+05							
22 81 3.210e+06 6.366e+04	0.10	-2944.61	0.0	5.999e+04-1.493e+04	-		
822.373.258e+046.366e+04 3.210e+06							
1.635e+05-8.910e+04	3.24e-03	0.0	92.9	5.999e+04-1.640e+04	-822.37	3.258e+04	-
1.272e+041.755e+06							
			185.8	5.999e+04-1.787e+04	-822.37	3.258e+04	-
8.910e+041.635e+05							
22 82 3.907e+06 7.053e+04	0.12	-3688.88	0.0	7.088e+04-1.846e+04	-		
959.494.463e+047.053e+04 3.907e+06							
1.355e+05-1.077e+05	4.05e-03	0.0	92.9	7.088e+04-2.031e+04	-959.49	4.463e+04	-
1.858e+042.107e+06							
			185.8	7.088e+04-2.215e+04	-959.49	4.463e+04	-
1.077e+051.355e+05							
23 2 2.646e+06 1.864e+05	0.28	-1.731e+04	0.0	1.887e+05 6308.90	-693.87	-	
3.329e+051.864e+052.204e+06							
1.300e+06-8.082e+04	-0.01	0.0	192.6	1.887e+05 -2348.30	-693.87	-	
3.329e+055.279e+042.585e+06							
			385.1	1.887e+05-1.101e+04	-693.87-3.329e+05	-	
8.082e+041.300e+06							
23 3 3.490e+06 2.188e+05	0.05	-6197.78	0.0	1.011e+05 1.496e+04	-952.74-3.154e+05	2.188e+05	-
1.079e+06							
-1.079e+06-1.481e+05	-0.01	0.0	192.6	1.011e+05 1.186e+04	-952.74	-	
3.154e+053.533e+041.504e+06							
			385.1	1.011e+05 8765.95	-952.74-3.154e+05	-	
1.481e+053.490e+06							
23 7 5.170e+06 3.011e+05	0.02	-6197.78	0.0	1.159e+05 2.221e+04	-1328.88-4.232e+05	3.011e+05	-
2.190e+06							
-2.190e+06-2.107e+05	-0.01	0.0	192.6	1.159e+05 1.911e+04	-1328.88	-	
4.232e+054.524e+041.788e+06							
			385.1	1.159e+05 1.601e+04	-1328.88-4.232e+05	-	
2.107e+055.170e+06							
23 25 2.237e+06 2.072e+05	0.15	-8046.58	0.0	6.129e+04 -5816.71	940.71 6.762e+04	-	
1.557e+052.237e+06							
-1.556e+06-1.557e+05	8.41e-03	0.0	192.6	6.129e+04	-		
9840.00 940.71 6.762e+04 2.573e+04 7.279e+05							
			385.1	6.129e+04-1.386e+04	940.71 6.762e+04	2.072e+05	-
1.556e+06							
23 28 3.212e+06 9.728e+04	0.21	-8046.58	0.0	8.207e+04 -9688.74	-540.05	-	
6.972e+049.728e+043.212e+06							
-2.065e+06-1.113e+05	-0.01	0.0	192.6	8.207e+04-1.371e+04	-540.05-6.972e+04	-	
7021.409.610e+05							
			385.1	8.207e+04-1.774e+04	-540.05-6.972e+04-1.113e+05	-	
2.065e+06							
23 33 2.215e+06 2.060e+05	0.15	-8046.58	0.0	6.235e+04 -5594.49	968.85 7.116e+04	-	
1.677e+052.215e+06							
-1.492e+06-1.677e+05	8.80e-03	0.0	192.6	6.235e+04	-		
9617.78 968.85 7.116e+04 1.915e+04 7.489e+05							
			385.1	6.235e+04-1.364e+04	968.85 7.116e+04	2.060e+05	-
1.492e+06							
23 34 3.371e+06 1.070e+05	0.21	-8046.58	0.0	7.856e+04-1.080e+04	-555.38	-	
7.485e+041.070e+053.371e+06							
-2.343e+06-1.071e+05	-0.01	0.0	192.6	7.856e+04-1.482e+04	-555.38-7.485e+04	-	
37.779.015e+05							



2.343e+06							385.1	7.856e+04	-1.885e+04	-555.38	-7.485e+04	-1.071e+05	-
23	57	2.370e+06	1.609e+05	0.16	-8046.58	0.0	6.442e+04	-6329.43	724.26	4.775e+04		-	
1.184e+05	2.370e+06												
		-1.619e+06	-1.184e+05	5.68e-03	0.0	192.6	6.442e+04	-					
1.035e+04	724.26	4.775e+04	2.122e+04	7.631e+05									
							385.1	6.442e+04	-1.438e+04	724.26	4.775e+04	1.609e+05	-
1.619e+06													
23	60	3.079e+06	5.998e+04	0.20	-8046.58	0.0	7.894e+04	-9176.02	-323.60		-		
4.985e+04	5.998e+04	3.079e+06											
		-2.002e+06	-6.499e+04	-7.87e-03	0.0	192.6	7.894e+04	-1.320e+04	-323.60	-4.985e+04		-	
2506.739	257e+05												
							385.1	7.894e+04	-1.722e+04	-323.60	-4.985e+04	-6.499e+04	-
2.002e+06													
23	65	2.355e+06	1.601e+05	0.16	-8046.58	0.0	6.517e+04	-6170.20	745.06	5.032e+04		-	
1.271e+05	2.355e+06												
		-1.573e+06	-1.271e+05	5.95e-03	0.0	192.6	6.517e+04	-					
1.019e+04	745.06	5.032e+04	1.651e+04	7.780e+05									
							385.1	6.517e+04	-1.422e+04	745.06	5.032e+04	1.601e+05	-
1.573e+06													
23	66	3.176e+06	6.735e+04	0.21	-8046.58	0.0	7.672e+04	-9867.17	-336.70		-		
5.338e+04	6.735e+04	3.176e+06											
		-2.176e+06	-6.246e+04	-8.12e-03	0.0	192.6	7.672e+04	-1.389e+04	-336.70		-		
5.338e+04	2440.788	873e+05											
							385.1	7.672e+04	-1.791e+04	-336.70	-5.338e+04	-6.246e+04	-
2.176e+06													
23	73	1.829e+06	1.377e+05	0.09	-6300.05	0.0	8.790e+04	7777.81	-580.33		-		
2.102e+05	1.377e+05	1.829e+06											
		4.643e+04	-8.578e+04	-7.24e-03	0.0	192.6	8.790e+04	4627.78	-580.33		-		
2.102e+05	2.597e+04	1.241e+06											
							385.1	8.790e+04	1477.76	-580.33	-2.102e+05		-
8.578e+04	1.829e+06												
23	74	1.877e+06	1.230e+05	0.20	-1.212e+04	0.0	1.312e+05	3682.25	-452.76		-		
2.227e+05	1.230e+05	1.877e+06											
		7.459e+05	-5.141e+04	-8.56e-03	0.0	192.6	1.312e+05	-2378.65	-452.76		-		
2.227e+05	3.578e+04	1.787e+06											
							385.1	1.312e+05	-8439.55	-452.76	-2.227e+05		-
5.141e+04	7.459e+05												
23	75	2.934e+06	1.919e+05	0.06	-6300.05	0.0	9.763e+04	1.255e+04	-827.79	-2.811e+05	1.919e+05		-
6.848e+05													
		-6.848e+05	-1.269e+05	-9.41e-03	0.0	192.6	9.763e+04	9395.07	-827.79		-		
2.811e+05	3.249e+04	1.428e+06											



24	2	2.546e+06	1.323e+05	0.02	-1.763e+04	0.0	1.886e+05	1.517e+04	-731.79	-8.848e+04	1.323e+05	-
1.042e+04		-1.042e+04	-1.546e+05	-5.06e-03	0.0	196.0	1.886e+05	6350.75	-731.79	-8.848e+04		-
1.115e+04	0.098e+06											
						392.0	1.886e+05	-2464.00	-731.79	-8.848e+04		-
1.546e+05	0.52	0.479e+06										
24	3	2.601e+06	1.273e+05	-0.06	-6309.19	0.0	9.108e+04	1.396e+04	-698.93	-7.906e+04	1.273e+05	-
1.636e+06												
		-1.636e+06	-1.467e+05	-3.94e-03	0.0	196.0	9.108e+04	1.081e+04	-698.93	-7.906e+04		-
9712.207	0.918e+05											
						392.0	9.108e+04	7654.37	-698.93	-7.906e+04		-
1.467e+05	0.52	0.601e+06										
24	7	3.504e+06	1.707e+05	-0.10	-6309.19	0.0	1.005e+05	1.865e+04	-937.24	-1.057e+05	1.707e+05	-
2.570e+06												
		-2.570e+06	-1.967e+05	-5.24e-03	0.0	196.0	1.005e+05	1.550e+04	-937.24	-1.057e+05		-
1.303e+04	0.47	0.761e+05										
						392.0	1.005e+05	1.234e+04	-937.24	-1.057e+05		-
1.967e+05	0.53	0.504e+06										
24	8	3.433e+06	1.744e+05	-0.06	-1.253e+04	0.0	1.513e+05	1.946e+04	-961.31	-1.121e+05	1.744e+05	-
1.738e+06												
		-1.738e+06	-2.025e+05	-6.00e-03	0.0	196.0	1.513e+05	1.319e+04	-961.31	-1.121e+05		-
1.404e+04	0.41	0.462e+06										
						392.0	1.513e+05	6926.03	-961.31	-1.121e+05		-
2.025e+05	0.53	0.433e+06										
24	14	1.881e+06	2.241e+04	0.08	-8192.04	0.0	8.104e+04	-2170.56	-142.41	-		
1.838e+04	0.42	0.241e+06	0.41	0.881e+06								
		-5.779e+05	-3.373e+04	-2.04e-03	0.0	196.0	8.104e+04	-6266.58	-142.41	-1.838e+04		-
5661.511	0.053e+06											
						392.0	8.104e+04	-1.036e+04	-142.41	-1.838e+04	-3.373e+04	-
5.779e+05												
24	25	1.206e+06	6.078e+04	0.06	-							
8192.04	0.0	6.244e+04	456.45	182.56	1.936e+04	1.620e+04	0.41	0.202e+06				
		-2.416e+05	1.620e+04	4.62e-03	0.0	196.0	6.244e+04	-				
3639.57	182.56	1.936e+04	3.849e+04	8.815e+05								
						392.0	6.244e+04	-7735.58	182.56	1.936e+04	6.078e+04	-
2.416e+05												
24	28	1.555e+06	-1.538e+04	0.08	-8192.04	0.0	9.593e+04	300.73	-189.07	-2.441e+04		-
1.538e+04	0.41	0.553e+06										
		8.147e+04	-6.252e+04	-5.26e-03	0.0	196.0	9.593e+04	-3795.29	-189.07	-2.441e+04		-
3.895e+04	0.41	0.218e+06										
						392.0	9.593e+04	-7891.31	-189.07	-2.441e+04		-
6.252e+04												



[illegible]



						392.0	8.753e+04	2027.60	61.06	1.250e+04	5571.80	1.8						
48e+06	25	25	1.014e+06	1.146e+05	-0.04	-8192.04	0.0	6.037e+04	6046.58	-440.78	-							
3.789e+041.146e+051.432e+05						196.0	6.037e+04	1950.57	-440.78	-								
3.789e+042.718e+049.244e+05						392.0	6.037e+04	-2145.45	-440.78	-3.789e+04	-							
6.025e+049.028e+05						25	28	1.831e+06	4.897e+04	-0.08	-8192.04	0.0	9.876e+04	9476.65	362.93	3.333e+04	-9.538e+04	-
2.834e+05						196.0	9.876e+04	5380.63	362.93	3.333e+04	-							
2.320e+041.175e+06						392.0	9.876e+04	1284.61	362.93	3.333e+04	4.897e+04	1.8						
31e+06						25	33	1.054e+06	8.071e+04	-0.05	-8192.04	0.0	5.967e+04	6552.92	-246.86	-		
2.368e+048.071e+041.834e+04						196.0	5.967e+04	2456.91	-246.86	-								
2.368e+043.096e+049.065e+05						392.0	5.967e+04	-1639.11	-246.86	-2.368e+04	-							
1.880e+049.919e+05						25	36	1.742e+06	7516.51	-0.08	-8192.04	0.0	9.947e+04	8970.31	169.01	1.911e+04	-6.148e+04	-
1.585e+05						196.0	9.947e+04	4874.29	169.01	1.911e+04	-							
2.698e+041.193e+06						392.0	9.947e+04	778.28	169.01	1.911e+04	7516.51	1.7						
42e+06						25	44	1.666e+06	2730.13	-0.08	-8192.04	0.0	8.493e+04	9267.18	33.42	7635.10	-1.454e+04	-
3.622e+05						196.0	8.493e+04	5171.16	33.42	7635.10	-							
5905.821.054e+06						392.0	8.493e+04	1075.14	33.42	7635.10	2730.13	1.6						
66e+06						25	57	1.110e+06	8.361e+04	-0.05	-8192.04	0.0	6.599e+04	6619.56	-322.55	-		
2.729e+048.361e+046.394e+04						196.0	6.599e+04	2523.55	-322.55	-								
2.729e+041.974e+049.585e+05						392.0	6.599e+04	-1572.47	-322.55	-2.729e+04	-							
4.413e+041.050e+06						25	60	1.683e+06	3.285e+04	-0.08	-8192.04	0.0	9.315e+04	8903.67	244.70	2.273e+04	-6.437e+04	-
2.041e+05						196.0	9.315e+04	4807.65	244.70	2.273e+04	-							
1.576e+041.141e+06						392.0	9.315e+04	711.64	244.70	2.273e+04	3.285e+04	1.6						
83e+06						25	65	1.147e+06	5.950e+04	-0.05	-8192.04	0.0	6.548e+04	6980.08	-184.86	-1.721e+04	5.950e+04	-
2.222e+04						196.0	6.548e+04	2884.06	-184.86	-								
1.721e+042.243e+049.471e+05						392.0	6.548e+04	-1211.96	-184.86	-1.721e+04	-							
1.465e+041.114e+06						25	68	1.620e+06	3365.26	-0.07	-8192.04	0.0	9.366e+04	8543.16	107.01	1.265e+04	-4.026e+04	-
1.179e+05						196.0	9.366e+04	4447.14	107.01	1.265e+04	-							
1.845e+041.152e+06						392.0	9.366e+04	351.12	107.01	1.265e+04	3365.26	1.6						
20e+06						25	73	2.272e+06	5.271e+04	-0.11	-6413.38	0.0	7.627e+04	1.267e+04	-289.24	-1.734e+04	5.271e+04	-
1.439e+06						196.0	7.627e+04	9467.84	-289.24	-1.734e+04	-							
3979.917.305e+05						392.0	7.627e+04	6261.15	-289.24	-1.734e+04	-							
6.067e+042.272e+06						25	74	3.052e+06	5.456e+04	-0.15	-1.234e+04	0.0	1.255e+05	1.777e+04	-294.95	-1.495e+04	5.456e+04	-
1.494e+06						196.0	1.255e+05	1.160e+04	-294.95	-1.495e+04	-							
3253.881.384e+06						392.0	1.255e+05	5425.46	-294.95	-1.495e+04	-							
6.106e+043.052e+06						25	76	3.198e+06	6.855e+04	-0.16	-1.056e+04	0.0	1.145e+05	1.839e+04	-377.25	-2.044e+04	6.855e+04	-
1.939e+06						196.0	1.145e+05	1.310e+04	-377.25	-2.044e+04	-							
5388.491.147e+06						392.0	1.145e+05	7823.12	-377.25	-2.044e+04	-							
7.933e+043.198e+06						25	77	1.437e+06	2.070e+04	-0.07	-6413.38	0.0	6.786e+04	7951.23	-104.42	-6821.27	2.070e+04	-
4.232e+05						196.0	6.786e+04	4744.54	-104.42	-								
6821.27 237.05 8.210e+05						392.0	6.786e+04	1537.85	-104.42	-6821.27	-							
2.023e+041.437e+06																		



	25	78	1.827e+06	2.163e+04	-0.09	-9377.81	0.0	9.247e+04	1.050e+04	-107.28	-5626.28	2.163e+04	-
4.505e+05			-4.505e+05	-2.043e+04	-3.64e-04	0.0	196.0	9.247e+04	5808.91	-107.28	-		
5626.28	600.06	1.148e+06											
							392.0	9.247e+04	1120.01	-107.28	-5626.28		-
2.043e+04	1.827e+06												
25	80	2.506e+06	5.326e+04	-0.12	-8192.04	0.0	9.104e+04	1.420e+04		-290.95	-1.662e+04	5.326e+04	-
1.456e+06													
		-1.456e+06	-6.079e+04	-6.41e-04	0.0	196.0	9.104e+04	1.011e+04		-290.95	-1.662e+04		-
3762.109	265e+05												
							392.0	9.104e+04	6010.44	-290.95	-1.662e+04		-
6.079e+04	2.506e+06												
25	81	1.437e+06	2.070e+04	-0.07	-6413.38	0.0	6.786e+04	7951.23		-104.42	-6821.27	2.070e+04	-
4.232e+05													
		-4.232e+05	-2.023e+04	-2.06e-04	0.0	196.0	6.786e+04	4744.54		-104.42	-		
6821.27	237.05	8.210e+05											
							392.0	6.786e+04	1537.85	-104.42	-6821.27		-
2.023e+04	1.437e+06												
25	82	1.671e+06	2.126e+04	-0.08	-8192.04	0.0	8.263e+04	9479.18		-106.13	-6104.28	2.126e+04	-
4.396e+05													
		-4.396e+05	-2.035e+04	-2.94e-04	0.0	196.0	8.263e+04	5383.16		-106.13	-		
6104.28	454.86	1.017e+06											
							392.0	8.263e+04	1287.14	-106.13	-6104.28		-
2.035e+04	1.671e+06												
26	2	6.558e+06	8.684e+04	-0.42	-1.731e+04	0.0	1.614e+05	3.908e+04		-420.61	-1.366e+04	8.684e+04	-
5.159e+06													
		-5.159e+06	-7.515e+04	-1.35e-03	0.0	192.6	1.614e+05	3.042e+04		-420.61	-		
1.366e+04	5844.171	533e+06											
							385.1	1.614e+05	2.177e+04	-420.61	-1.366e+04		-
7.515e+04	6.558e+06												
26	3	3.335e+06	5.750e+04	-0.20	-6197.78	0.0	6.961e+04	1.960e+04		-296.09	-1.825e+04	5.750e+04	-
3.019e+06													
		-3.019e+06	-5.653e+04	-7.83e-04	0.0	192.6	6.961e+04	1.650e+04		-296.09	-		
1.825e+04	4481.104	559e+05											
							385.1	6.961e+04	1.340e+04	-296.09	-1.825e+04		-
5.653e+04	3.335e+06												
26	6	6.242e+06	9.182e+04	-0.39	-1.469e+04	0.0	1.445e+05	3.712e+04		-457.94	-1.931e+04	9.182e+04	-
5.225e+06													
		-5.225e+06	-8.455e+04	-1.35e-03	0.0	192.6	1.445e+05	2.977e+04		-457.94	-		
1.931e+04	3635.371	216e+06											
							385.1						



	-1.458e+06	-1.084e+05	-5.69e-03	0.0	192.6	5.972e+04	9652.66	-657.57	-			
5.859e+04	1.832e+04	7.861e+05										
					385.1	5.972e+04	5629.37	-657.57	-5.859e+04	-		
1.084e+05	2.256e+06											
26	68	3.109e+06	6.340e+04	-0.20	-8046.58	0.0	8.700e+04	1.747e+04	377.63	4.310e+04	-8.221e+04	-
2.074e+06												
		-2.074e+06	-8.221e+04	4.60e-03	0.0	192.6	8.700e+04	1.345e+04	377.63	4.310e+04		-
9405.239	0.046e+05											
					385.1	8.700e+04	9426.27	377.63	4.310e+04	6.340e+04	3.1	
09e+06												
26	73	2.991e+06	4.830e+04	-0.18	-6300.05	0.0	6.709e+04	1.745e+04	-242.44	-1.556e+04	4.830e+04	-
2.518e+06												
		-2.518e+06	-4.507e+04	-6.87e-04	0.0	192.6	6.709e+04	1.430e+04	-242.44			
1.556e+04	1617.595	3.96e+05										
					385.1	6.709e+04	1.115e+04	-242.44	-1.556e+04		-	
4.507e+04	2.991e+06											
26	74	4.575e+06	6.031e+04	-0.29	-1.212e+04	0.0	1.130e+05	2.723e+04	-291.38	-9910.46	6.031e+04	-
3.576e+06												
		-3.576e+06	-5.191e+04	-9.41e-04	0.0	192.6	1.130e+05	2.116e+04	-291.38			
9910.46	4197.41	1.083e+06										
					385.1	1.130e+05	1.510e+04	-291.38	-9910.46		-	
5.191e+04	4.575e+06											
26	76	4.361e+06	6.354e+04	-0.27	-1.038e+04	0.0	1.017e+05	2.590e+04	-315.75	-1.365e+04	6.354e+04	-
3.615e+06												
		-3.615e+06	-5.807e+04	-9.38e-04	0.0	192.6	1.017e+05	2.071e+04	-315.75			
1.365e+04	2734.068	7.23e+05										
					385.1	1.017e+05	1.552e+04	-315.75	-1.365e+04		-	
5.807e+04	4.361e+06											
26	77	2.416e+06	3.328e+04	-0.16	-6300.05	0.0	6.158e+04	1.393e+04	-156.53	-1.107e+04	3.328e+04	-
1.734e+06												
		-1.734e+06	-2.701e+04	-5.27e-04	0.0	192.6	6.158e+04	1.078e+04	-156.53			
1.107e+04	3134.276	4.43e+05										
					385.1	6.158e+04	7625.43	-156.53	-1.107e+04		-	
2.701e+04	2.416e+06											
26	78	3.208e+06	3.928e+04	-0.21	-9210.93	0.0	8.455e+04	1.881e+04	-181.00	-8246.57	3.928e+04	-
2.263e+06												
		-2.263e+06	-3.043e+04	-6.54e-04	0.0	192.6	8.455e+04	1.421e+04	-181.00			
8246.57	4424.18	9.159e+05										
					385.1	8.455e+04	9600.72	-181.00	-8246.57		-	
3.043e+04	3.208e+06											
26	80	3.466e+06	5.190e+04	-0.22	-8046.58	0.0	8.086e+04	2.038e+04	-257.12	-1.387e+04	5.190e+04	-
2.835e+06												
		-2.835e+06	-4.712e+04	-7.64e-04	0.0	192.6	8.0					



										351.4	2.901e+04	4.730e+04	157.62	2.995e+04	503.48	6.9
78e+06																
27	40	5.205e+06	2.754e+05	-0.20	-6899.46	0.0	1.867e+04	4.164e+04	1844.86	2.052e+05	-3.731e+05	-				
8.214e+06		-8.214e+06	-3.731e+05	0.02	0.0	175.7	1.867e+04	3.819e+04	1844.86	2.052e+05	-4.882e+04	-				
1.202e+06																
							351.4	1.867e+04	3.474e+04	1844.86	2.052e+05	2.754e+05	5.2			
05e+06																
27	70	5.364e+06	2.337e+05	-0.21	-6899.46	0.0	1.977e+04	4.277e+04	1585.05	1.779e+05	-3.233e+05	-				
8.450e+06		-8.450e+06	-3.233e+05	0.02	0.0	175.7	1.977e+04	3.932e+04	1585.05	1.779e+05	-4.481e+04	-				
1.240e+06																
							351.4	1.977e+04	3.587e+04	1585.05	1.779e+05	2.337e+05	5.3			
64e+06																
27	71	6.696e+06	3.975e+04	-0.25	-6899.46	0.0	2.741e+04	5.221e+04	398.33	5.477e+04	-1.001e+05	-				
1.044e+07		-1.044e+07	-1.001e+05	-8.05e-03	0.0	175.7	2.741e+04	4.876e+04	398.33	5.477e+04	-3.019e+04	-				
1.567e+06																
							351.4	2.741e+04	4.531e+04	398.33	5.477e+04	3.975e+04	6.6			
96e+06																
27	72	5.435e+06	2.352e+05	-0.21	-6899.46	0.0	2.006e+04	4.327e+04	1596.63	1.794e+05	-3.259e+05	-				
8.557e+06		-8.557e+06	-3.259e+05	0.02	0.0	175.7	2.006e+04	3.982e+04	1596.63	1.794e+05	-4.535e+04	-				
1.258e+06																
							351.4	2.006e+04	3.637e+04	1596.63	1.794e+05	2.352e+05	5.4			
35e+06																
27	73	5.740e+06	9.713e+04	-0.19	-5742.57	0.0	2.180e+04	4.518e+04	725.57	7.827e+04	-1.578e+05	-				
9.128e+06		-9.128e+06	-1.578e+05	2.74e-03	0.0	175.7	2.180e+04	4.231e+04	725.57	7.827e+04	-3.034e+04	-				
1.442e+06																
							351.4	2.180e+04	3.944e+04	725.57	7.827e+04	9.713e+04	5.7			
40e+06																
27	74	8.958e+06	2.511e+05	-0.32	-9598.86	0.0	3.408e+04	7.060e+04	1785.60	2.168e+05	-3.763e+05	-				
1.416e+07		-1.416e+07	-3.763e+05	7.64e-03	0.0	175.7	3.408e+04	6.580e+04	1785.60	2.168e+05	-6.259e+04	-				
2.181e+06																
							351.4	3.408e+04	6.100e+04	1785.60	2.168e+05	2.511e+05	8.9			
58e+06																
27	77	5.245e+06	9.230e+04	-0.19	-5742.57	0.0	2.041e+04	4.128e+04	687.52	7.570e+04	-1.493e+05	-				
8.251e+06		-8.251e+06	-1.493e+05	2.57e-03	0.0	175.7	2.041e+04	3.841e+04	687.52	7.570e+04	-2.849e+04	-				
1.251e+06																
							351.4	2.041e+04	3.554e+04	687.52	7.570e+04	9.230e+04	5.2			
45e+06																
27	78	6.854e+06	1.693e+05	-0.26	-7670.72	0.0	2.655e+04	5.399e+04	1217.54	1.450e+05	-2.585e+05	-				
1.077e+07		-1.077e+07	-2.585e+05	4.92e-03	0.0	175.7	2.655e+04	5.015e+04	1217.54	1.450e+05	-4.462e+04	-				
1.621e+06																
							351.4	2.655e+04	4.632e+04	1217.54	1.450e+05	1.693e+05	6.8			
54e+06																
27	81	5.245e+06	9.230e+04	-0.19	-5742.57	0.0	2.041e+04	4.128e+04	687.52	7.570e+04	-1.493e+05	-				
8.251e+06		-8.251e+06	-1.493e+05	2.57e-03	0.0	175.7	2.041e+04	3.841e+04	687.52	7.570e+04	-2.849e+04	-				
1.251e+06																
							351.4	2.041e+04	3.554e+04	687.52	7.570e+04	9.230e+04	5.2			
45e+06																
27	82	6.210e+06	1.385e+05	-0.23	-6899.46	0.0	2.410e+04	4.890e+04	1005.53	1.173e+05	-2.148e+05	-				
9.762e+06		-9.762e+06	-2.148e+05	3.90e-03	0.0	175.7	2.410e+04	4.546e+04	1005.53	1.173e+05	-3.817e+04	-				
1.473e+06																
							351.4	2.410e+04	4.201e+04	1005.53	1.173e+05	1.385e+05	6.2			
10e+06																
28	2	8.566e+06	1.429e+05	-0.50	-1.440e+04	0.0	1.162e+05	5.392e+04	697.59	1.071e+05	-1.162e+05	-				
8.789e+06		-8.789e+06	-1.162e+05	4.48e-												
03	0.0	185.8	1.162e+05	4.672e+04	697.59	1.071e+05	1.335e+04	5.571e+05	371.5	1.162e+05	3.951e+04	697.59	1.071e+05	1.429e+05	8.5	
66e+06																
28	3	4.169e+06	3.816e+04	-0.23	-5976.78	0.0	5.368e+04	2.639e+04	157.68	1.755e+04	-2.041e+04	-				
4.524e+06		-4.524e+06	-2.041e+04	1.04e-												
03	0.0	185.8	5.368e+04	2.340e+04	157.68	1.755e+04	8873.73	9.998e+04	371.5	5.368e+04	2.041e+04	157.68	1.755e+04	3.816e+04	4.1	
69e+06																
28	38	3.160e+06	2.023e+05	-0.21	-7300.72	0.0	4.176e+04	2.046e+04	1089.11	1.255e+05	-2.048e+05	-				
3.078e+06		-3.078e+06	-2.048e+05	0.01	0.0	185.8	4.176e+04	1.681e+04	1089.11	1.255e+05		-				
1250.643.801e+05																
							371.5	4.176e+04	1.316e+04	1089.11	1.255e+05	2.023e+05	3.1			
60e+06																



	28	39	4.718e+06	1.415e+05	-0.28	-7300.72	0.0	7.047e+04	2.878e+04	-681.58	-6.128e+04	1.415e+05	-
	4.624e+06		-4.624e+06	-1.141e+05	-0.01	0.0	185.8	7.047e+04	2.513e+04	-681.58	-		
	6.128e+04	1.370e+04	3.864e+05					371.5	7.047e+04	2.148e+04	-681.58	-6.128e+04	-
	1.141e+05	4.718e+06											
	28	40	3.279e+06	2.054e+05	-0.20	-7300.72	0.0	4.314e+04	2.112e+04	1103.24	1.275e+05	-2.026e+05	-
	3.216e+06		-3.216e+06	-									
	2.026e+05	0.01	0.0	185.8	4.314e+04	1.747e+04	1103.24	1.275e+05	1428.21	3.709e+05			
	79e+06							371.5	4.314e+04	1.382e+04	1103.24	1.275e+05	2.054e+05
	28	70	3.392e+06	1.568e+05	-0.22	-7300.72	0.0	4.598e+04	2.170e+04	835.01	9.874e+04	-1.548e+05	-
	3.310e+06		-3.310e+06	-									
	1.548e+05	0.01	0.0	185.8	4.598e+04	1.805e+04	835.01	9.874e+04	987.30	3.804e+05			
	92e+06							371.5	4.598e+04	1.440e+04	835.01	9.874e+04	1.568e+05
	28	71	4.486e+06	9.159e+04	-0.27	-7300.72	0.0	6.625e+04	2.754e+04	-427.48	-3.451e+04	9.159e+04	-
	4.392e+06		-4.392e+06	-6.867e+04	-7.69e-03	0.0	185.8	6.625e+04	2.389e+04	-427.48	-		
	3.451e+04	1.146e+04	3.860e+05					371.5	6.625e+04	2.024e+04	-427.48	-3.451e+04	-
	6.867e+04	4.486e+06											
	28	72	3.462e+06	1.587e+05	-0.22	-7300.72	0.0	4.679e+04	2.208e+04	843.47	9.989e+04	-1.535e+05	-
	3.390e+06		-3.390e+06	-									
	1.535e+05	0.01	0.0	185.8	4.679e+04	1.843e+04	843.47	9.989e+04	2591.54	3.747e+05			
	62e+06							371.5	4.679e+04	1.478e+04	843.47	9.989e+04	1.587e+05
	28	73	3.931e+06	3.470e+04	-0.22	-6075.25	0.0	5.217e+04	2.477e+04	144.20	1.752e+04	-1.887e+04	-
	4.143e+06		-4.143e+06	-1.887e+04	9.89e-								
	04	0.0	185.8	5.217e+04	2.173e+04	144.20	1.752e+04	7910.25	1.758e+05				
	31e+06							371.5	5.217e+04	1.870e+04	144.20	1.752e+04	3.470e+04
	28	74	6.012e+06	9.727e+04	-0.35	-1.016e+04	0.0	8.175e+04	3.784e+04	472.86	7.251e+04	-7.840e+04	-
	6.157e+06		-6.157e+06	-7.840e+04	3.05e-								
	03	0.0	185.8	8.175e+04	3.276e+04	472.86	7.251e+04	9438.59	3.991e+05				
	12e+06							371.5	8.175e+04	2.768e+04	472.86	7.251e+04	9.727e+04
	28	77	3.479e+06	2.780e+04	-0.21	-6075.25	0.0	4.856e+04	2.178e+04	115.57	1.613e+04	-1.513e+04	-
	3.486e+06		-3.486e+06	-1.513e+04	8.65e-								
	04	0.0	185.8	4.856e+04	1.875e+04	115.57	1.613e+04	6336.66	2.788e+05				
	79e+06							371.5	4.856e+04	1.571e+04	115.57	1.613e+04	2.780e+04
	28	78	4.520e+06	5.909e+04	-0.28	-8117.70	0.0	6.334e+04	2.832e+04	279.91	4.362e+04		



	-2.673e+07	-1.395e+06	-0.04	0.0	175.7	8151.64	-1.337e+05	-6583.56	-1.083e+06	-2.381e+05	-
2.715e+06					351.4	8151.64	-1.397e+05	-6583.56	-1.083e+06	-1.395e+06	-
2.673e+07											
29	8	1.838e+07	8.792e+05	0.71	-9698.86	0.0	9363.30	-1.153e+05	-6299.24	-	-
1.052e+06	8.792e+05	1.838e+07									
	-2.386e+07	-1.334e+06	-0.03	0.0	175.7	9363.30	-1.202e+05	-6299.24	-1.052e+06	-2.275e+05	-
2.315e+06					351.4	9363.30	-1.250e+05	-6299.24	-1.052e+06	-1.334e+06	-
2.386e+07											
29	29	6.606e+06	7890.58	0.26	-6899.46	0.0	-1.882e+04	-4.373e+04	-265.60	-	-
2.501e+04	7890.58	6.606e+06									
	-9.972e+06	-8.500e+04	6.14e-03	0.0	175.7	-1.882e+04	-4.718e+04	-265.60	-2.501e+04	-3.855e+04	-
1.380e+06					351.4	-1.882e+04	-5.063e+04	-265.60	-2.501e+04	-8.500e+04	-
9.972e+06											
29	30	5.152e+06	2.717e+05	0.19	-6899.46	0.0	9643.21	-3.401e+04	-1724.77	-	-
2.062e+05	2.717e+05	5.152e+06									
	-8.009e+06	-3.348e+05	-0.02	0.0	175.7	9643.21	-3.746e+04	-1724.77	-2.062e+05	-3.157e+04	-
1.125e+06					351.4	9643.21	-4.091e+04	-1724.77	-2.062e+05	-3.348e+05	-
8.009e+06											
29	37	6.549e+06	2.542e+04	0.25	-6899.46	0.0	-1.903e+04	-4.338e+04	-375.53	-	-
3.565e+04	2.542e+04	6.549e+06									
	-9.906e+06	-1.061e+05	5.74e-03	0.0	175.7	-1.903e+04	-4.683e+04	-375.53	-3.565e+04	-4.033e+04	-
1.375e+06					351.4	-1.903e+04	-5.028e+04	-375.53	-3.565e+04	-1.061e+05	-
9.906e+06											
29	40	5.087e+06	2.513e+05	0.20	-6899.46	0.0	1.312e+04	-3.351e+04	-1592.19	-	-
1.930e+05	2.513e+05	5.087e+06									
	-7.897e+06	-3.086e+05	-0.01	0.0	175.7	1.312e+04	-3.696e+04	-1592.19	-1.930e+05	-2.869e+04	-
1.102e+06					351.4	1.312e+04	-4.041e+04	-1592.19	-1.930e+05	-3.086e+05	-
7.897e+06											
29	61	6.370e+06	4.539e+04	0.25	-6899.46	0.0	-1.405e+04	-4.214e+04	-472.55	-	-
5.071e+04	4.539e+04	6.370e+06									
	-9.651e+06	-1.204e+05	3.92e-03	0.0	175.7	-1.405e+04	-4.559e+04	-472.55	-5.071e+04	-3.752e+04	-
1.337e+06					351.4	-1.405e+04	-4.904e+04	-472.55	-5.071e+04	-1.204e+05	-
9.651e+06											
29	62	5.337e+06	2.331e+05	0.20	-6899.46	0.0	6223.12	-3.523e+04	-1508.74	-	-
1.795e+05	2.331e+05	5.337e+06									
	-8.256e+06	-2.974e+05	-0.01	0.0	175.7	6223.12	-3.868e+04	-1508.74	-1.795e+05	-3.215e+04	-
1.156e+06					351.4	6223.12	-4.213e+04	-1508.74	-1.795e+05	-2.974e+05	-
8.256e+06											
29	69	6.330e+06	5.790e+04	0.25	-6899.46	0.0	-1.421e+04	-4.190e+04	-551.05	-	-
5.830e+04	5.790e+										



1.466e+07							351.4	3022.84	-7.642e+04	-3277.66	-5.331e+05	-6.959e+05	-
29	81	6.258e+06	1.791e+05	0.24	-5742.57	0.0	-1474.49	-4.057e+04	-1294.03	-			
1.847e+05	1.791e+05	6.258e+06											
		-9.006e+06	-2.756e+05	-6.62e-03	0.0	175.7	-1474.49	-4.344e+04	-1294.03	-1.847e+05	-4.822e+04	-	
1.121e+06													
							351.4	-1474.49	-4.631e+04	-1294.03	-1.847e+05	-2.756e+05	-
9.006e+06													
29	82	7.194e+06	2.230e+05	0.28	-6899.46	0.0	-1360.90	-4.673e+04	-1595.54	-			
2.260e+05	2.230e+05	7.194e+06											
		-1.044e+07	-3.377e+05	-8.04e-03	0.0	175.7	-1360.90	-5.018e+04	-1595.54	-2.260e+05	-5.733e+04	-	
1.319e+06													
							351.4	-1360.90	-5.363e+04	-1595.54	-2.260e+05	-3.377e+05	-
1.044e+07													
30	2	7.834e+06	4.423e+05	0.25	-6781.30	0.0	1.768e+05	-3.118e+04	4310.11	-1.350e+05	-	-	
3.583e+05	7.834e+06												
		1.413e+06	-3.583e+05	-0.02	0.0	92.9	1.768e+05	-3.457e+04	4310.11	-			
1.350e+05	4.201e+04	7.81e+06											
							185.8	1.768e+05	-3.796e+04	4310.11	-		
1.350e+05	4.23e+05	1.413e+06											
30	3	3.710e+06	3.470e+05	0.12	-2903.87	0.0	1.067e+05	-9954.06	4082.88	1.205e+04	-	-	
4.114e+05	3.710e+06												
		1.591e+06	-4.114e+05	-0.01	0.0	92.9	1.067e+05	-1.141e+04	4082.88	1.205e+04	-	-	
3.217e+04	2.718e+06												
							185.8	1.067e+05	-				
1.286e+04	4082.88	1.205e+04	3.470e+05	1.591e+06									
30	6	7.185e+06	5.254e+05	0.23	-5948.64	0.0	1.812e+05	-2.474e+04	5608.94	-7.866e+04	-	-	
5.165e+05	7.185e+06												
		2.038e+06	-5.165e+05	-0.02	0.0	92.9	1.812e+05	-2.771e+04	5608.94	-	-		
7.866e+04	4447.704	7.50e+06											
							185.8	1.812e+05	-3.069e+04	5608.94	-	-	
7.866e+04	5.254e+05	2.038e+06											
30	7	3.942e+06	4.543e+05	0.13	-2903.87	0.0	1.264e+05	-8035.29	5433.38	2.969e+04	-	-	
5.550e+05	3.942e+06												
		2.180e+06	-5.550e+05	-0.01	0.0	92.9	1.264e+05	-9487.23	5433.38	2.969e+04	-	-	
5.032e+04	3.128e+06												
							185.8	1.264e+05	-				
1.094e+04	5433.38	2.969e+04	4.543e+05	2.180e+06									
30	18	3.694e+06	6.226e+04	0.11	-3499.71	0.0	5.464e+04	-1.902e+04	24.94	-	-	-	
1.008e+05	5.544e+04	3.694e+06											
		-2.033e+05	5.544e+04										



30	61	4.101e+06	2.196e+04	0.13	-3499.71	0.0	6.058e+04	-2.190e+04	545.02	4480.34	-
7.608e+044.101e+06	-2.989e+05	-7.608e+04	2.52e-03	0.0	92.9	6.058e+04	-2.365e+04	545.02	4480.34	-	
2.706e+041.982e+06					185.8	6.058e+04	-2.540e+04	545.02	4480.34	2.196e+04	-
2.989e+05											
30	64	3.249e+06	1.194e+05	0.10	-3499.71	0.0	5.908e+04	-1.601e+04	-252.97	-	
1.398e+051.194e+053.249e+06	-4.240e+04	7.561e+04	-7.76e-03	0.0	92.9	5.908e+04	-1.776e+04	-252.97	-		
1.398e+059.750e+041.684e+06					185.8	5.908e+04	-1.951e+04	-252.97	-1.398e+05	7.561e+04	-
4.240e+04											
30	69	4.082e+06	2.715e+04	0.13	-3499.71	0.0	5.988e+04	-2.183e+04	540.74	-2350.54	-
7.076e+044.082e+06	-3.054e+05	-7.076e+04	2.25e-03	0.0	92.9	5.988e+04	-2.358e+04	540.74	-2350.54	-	
2.180e+041.969e+06					185.8	5.988e+04	-2.533e+04	540.74	-2350.54	2.715e+04	-
3.054e+05											
30	73	3.546e+06	2.444e+05	0.11	-2944.61	0.0	8.849e+04	-1.215e+04	2777.04	-7053.10	-
2.715e+053.546e+06	1.015e+06	-2.715e+05	-7.38e-03	0.0	92.9	8.849e+04	-1.362e+04	2777.04	-7053.10	-	
1.355e+042.349e+06					185.8	8.849e+04	-1.509e+04	2777.04	-		
7053.102.444e+051.015e+06											
30	74	5.503e+06	2.982e+05	0.18	-4794.95	0.0	1.225e+05	-2.220e+04	2891.85	-9.307e+04	-
2.390e+055.503e+06	9.338e+05	-2.390e+05	-0.01	0.0	92.9	1.225e+05	-2.460e+04	2891.85	-		
9.307e+042.960e+043.330e+06					185.8	1.225e+05	-2.699e+04	2891.85	-		
9.307e+042.982e+059.338e+05											
30	75	3.698e+06	3.150e+05	0.12	-2944.61	0.0	1.014e+05	-1.089e+04	3665.52	4552.02	-
3.659e+053.698e+06	1.402e+06	-3.659e+05	-9.26e-03	0.0	92.9	1.014e+05	-1.236e+04	3665.52	4552.02	-	
2.549e+042.619e+06					185.8	1.014e+05	-				
1.383e+043665.52	4552.02	3.150e+05	1.402e+06								
30	76	5.068e+06	3.526e+05	0.16	-4239.85	0.0	1.252e+05	-1.792e+04	3745.90	-5.566e+04	-
3.432e+055.068e+06	1.345e+06	-3.432e+05	-0.01	0.0	92.9	1.252e+05	-2.004e+04	3745.90	-		
5.566e+044715.603.305e+06					185.8	1.252e+05	-2.216e+04	3745.90	-		
5.566e+043.526e+051.345e+06											
30	77	3.210e+06	8.910e+04	0.10	-2944.61	0.0	5.999e+04	-1.493e+04	822.37	-3.258e+04	-
6.366e+043.210e+06	1.635e+05	-6.366e+04	-3.24e-03	0.0	92.9	5.999e+04	-1.640e+04	822.37	-		
3.258e+041.272e+041.755e+06					185.8	5.999e+04	-1.787e+04	822.37	-		
3.258e+048.910e+041.635e+05											
30	78	4.188e+06	1.160e+05	0.13	-3869.78	0.0	7.699e+04	-1.995e+04	879.78	-7.559e+04	-
4.741e+044.188e+06	1.228e+05	-4.741e+04	-4.71e-03	0.0	92.9	7.699e+04	-2.189e+04	879.78	-		
7.559e+043.430e+042.245e+06					185.8	7.699e+04	-2.382e+04	879.78	-		
7.559e+041.160e+051.228e+0											



1.582e+06 -1.407e+05										0.01 0.0 192.6 1.823e+05 -675.83 463.61 2.797e+05 -									
5.139e+042.432e+06										385.1 1.823e+05 -									
8145.93 463.61 2.797e+05 3.789e+04 1.582e+06																			
31 3 3.490e+06 1.481e+05 0.05 -6197.78										0.0 1.011e+05 1.496e+04 952.74 3.154e+05 -2.188e+05 -									
1.079e+06 -1.079e+06 -2.188e+05 0.01 0.0										192.6 1.011e+05 1.186e+04 952.74 3.154e+05 -									
3.533e+041.504e+06										385.1 1.011e+05 8765.95 952.74 3.154e+05 1.481e+05 3.4									
90e+06 31 7 5.170e+06 2.107e+05 0.02 -6197.78										0.0 1.159e+05 2.221e+04 1328.88 4.232e+05 -3.011e+05 -									
2.190e+06 -2.190e+06 -3.011e+05 0.01 0.0										192.6 1.159e+05 1.911e+04 1328.88 4.232e+05 -									
4.524e+041.788e+06										385.1 1.159e+05 1.601e+04 1328.88 4.232e+05 2.107e+05 5.1									
70e+06 31 30 2.165e+06 1.649e+05 0.15 -7571.74										0.0 6.003e+04 -5719.64 -986.76 -									
7.824e+041.649e+052.165e+06 -1.499e+06 -2.158e+05 -8.85e-03 0.0										192.6 6.003e+04 -9505.51 -986.76 -7.824e+04 -									
2.545e+046.972e+05										385.1 6.003e+04 -1.329e+04 -986.76 -7.824e+04 -2.158e+05 -									
1.499e+06 31 31 3.140e+06 1.027e+05 0.21 -7571.74										0.0 8.081e+04 -9591.67 494.00 5.909e+04 -									
8.813e+043.140e+06 -2.009e+06 -8.813e+04 0.01 0.0										192.6 8.081e+04 - 494.00 5.909e+04 1.027e+05 -									
1.338e+04494.005.909e+04 7301.55 9.302e+05										385.1 8.081e+04 -1.716e+04 494.00 5.909e+04 1.027e+05 -									
2.009e+06 31 37 3.299e+06 9.853e+04 0.21 -7571.74										0.0 7.730e+04 -1.070e+04 509.33 6.422e+04 -									
9.790e+043.299e+06 -2.286e+06 -9.790e+04 0.01 0.0										192.6 7.730e+04 - 509.33 6.422e+04 9.853e+04 -									
1.449e+04509.336.422e+04 317.92 8.707e+05										385.1 7.730e+04 -1.827e+04 509.33 6.422e+04 9.853e+04 -									
2.286e+06 31 38 2.143e+06 1.768e+05 0.15 -7571.74										0.0 6.109e+04 -5497.42 -1014.90 -									
8.179e+041.768e+052.143e+06 -1.436e+06 -2.146e+05 -9.24e-03 0.0										192.6 6.109e+04 -9283.29 -1014.90 -8.179e+04 -									
1.887e+047.181e+05										385.1 6.109e+04 -1.307e+04 -1014.90 -8.179e+04 -2.146e+05 -									
1.436e+06 31 62 2.298e+06 1.276e+05 0.16 -7571.74										0.0 6.316e+04 -6232.35 -770.32 -									
5.837e+041.276e+052.298e+06 -1.562e+06 -1.694e+05 -6.12e-03 0.0										192.6 6.316e+04 -1.002e+04 -770.32 -5.837e+04 -									
2.094e+047.324e+05										385.1 6.316e+04 -1.380e+04 -770.32 -5.837e+04 -1.694e+05 -									
1.562e+06 31 63 3.007e+06 5.640e+04 0.20 -7571.74										0.0 7.768e+04 -9078.95 277.55 3.922e+04 -									
5.083e+043.007e+06 -1.946e+06 -5.083e+04 7.43e-03 0.0										192.6 7.768e+04 - 277.55 3.922e+04 5.640e+04 -									
1.286e+04277.553.922e+04 2786.88 8.950e+05										385.1 7.768e+04 -1.665e+04 277.55 3.922e+04 5.640e+04 -									
1.946e+06 31 69 3.104e+06 5.388e+04 0.20 -7571.74										0.0 7.546e+04 -9770.09 290.65 4.275e+04 -									
5.820e+043.104e+06 -2.120e+06 -5.820e+04 7.67e-03 0.0										192.6 7.546e+04 -1.356e+04 290.65 4.275e+04 -									
2160.638.566e+05										385.1 7.546e+04 -1.734e+04 290.65 4.275e+04 5.388e+04 -									
2.120e+06 31 70 2.282e+06 1.363e+05 0.16 -7571.74										0.0 6.391e+04 -6073.12 -791.11 -									
6.095e+041.363e+052.282e+06 -1.517e+06 -1.687e+05 -6.40e-03 0.0										192.6 6.391e+04 -9858.99 -791.11 -6.095e+04 -									
1.623e+047.473e+05										385.1 6.391e+04 -1.364e+04 -791.11 -6.095e+04 -1.687e+05 -									
1.517e+06 31 73 1.829e+06 8.578e+04 0.09 -6300.05										0.0 8.790e+04 7777.81 580.33 2.102e+05 -									
1.377e+054.643e+04 4.643e+04 -1.377e+05 7.24e-03 0.0										192.6 8.790e+04 4627.78 580.33 2.102e+05 -									
2.597e+041.241e+06										385.1 8.790e+04 1477.76 580.33 2.102e+05 8.578e+04 1.8									
29e+06 31 74 1.714e+06 2.278e+04 0.18 -1.054e+04										0.0 1.270e+05 4005.84 299.25 1.872e+05 -									
9.247e+041.421e+06 9.344e+05 -9.247e+04 7.07e-03 0.0										192.6 1.270e+05 -1263.67 299.25 1.872e+05 -									
3.484e+041.685e+06										385.1 1.270e+05 - 299.25 1.872e+05 8.578e+04 1.8									
653																			



[illegible]



32	40	9.619e+05	5.839e+04	0.05	-7708.33	0.0	6.269e+04	2142.03	-405.79	-			
4.003e+04	5.839e+04	4.457e+05											
	1.775e+05	-1.008e+05	-5.92e-03	0.0	196.0	6.269e+04	-1712.14	-405.79	-4.003e+04	-			
2.122e+04	4.893e+05												
						392.0	6.269e+04	-5566.30	-405.79	-4.003e+04	-		
1.008e+05	1.775e+05												
32	53	1.658e+06	1.993e+04	0.07	-7708.33	0.0	7.900e+04	-1317.77	82.34	9439.39	-		
1.253e+04	1.658e+06												
	-3.702e+05	-1.253e+04	1.18e-03	0.0	196.0	7.900e+04	-						
5171.94	82.34	9439.39	3698.53	1.022e+06									
						392.0	7.900e+04	-9026.10	82.34	9439.39	1.993e+04	-	
3.702e+05													
32	62	1.209e+06	-7964.38	0.06	-7708.33	0.0	6.554e+04	375.28	-142.72	-1.687e+04	-		
7964.38	1.207e+06												
	-1.666e+05	-4.602e+04	-3.57e-03	0.0	196.0	6.554e+04	-3478.89	-142.72	-1.687e+04	-			
2.699e+04	4.977e+05												
						392.0	6.554e+04	-7333.05	-142.72	-1.687e+04	-4.602e+04	-	
1.666e+05													
32	63	1.481e+06	4.024e+04	0.07	-								
7708.33	0.0	8.920e+04	122.53	115.79	1.440e+04	1.274e+04	1.481e+06						
	2.821e+04	1.274e+04	3.47e-03	0.0	196.0	8.920e+04	-						
3731.63	115.79	1.440e+04	2.649e+04	1.132e+06									
						392.0	8.920e+04	-					
7585.80	115.79	1.440e+04	4.024e+04	2.821e+04									
32	69	1.685e+06	6.595e+04	0.08	-7708.33	0.0	8.793e+04	-1020.94	261.63	2.607e+04	-		
3.670e+04	1.685e+06												
	-2.278e+05	-3.670e+04	4.14e-03	0.0	196.0	8.793e+04	-						
4875.10	261.63	2.607e+04	1.463e+04	1.106e+06									
						392.0	8.793e+04	-8729.27	261.63	2.607e+04	6.595e+04	-	
2.278e+05													
32	72	1.062e+06	4.148e+04	0.05	-7708.33	0.0	6.681e+04	1518.75	-288.57	-			
2.853e+04	1.48e+04	1.003e+06											
	8.933e+04	-7.173e+04	-4.24e-03	0.0	196.0	6.681e+04	-2335.42	-288.57	-2.853e+04	-			
1.512e+04	9.240e+05												
						392.0	6.681e+04	-6189.58	-288.57	-2.853e+04	-		
7.173e+04	4.933e+04												
32	73	1.722e+06	9.797e+04	-0.03	-6413.38	0.0	8.321e+04	9396.24	466.74	5.317e+04	-8.499e+04	-	
7.042e+05													
	-7.042e+05	-8.499e+04	2.68e-		466.74	5.317e+04	6487.93	8.231e+05					
03	0.0	196.0	8.321e+04	6189.55			392.0	8.321e+04	2982.86	466.74	5.317e+04	9.797e+04	1.7
22e+06													
32	74	1.707e+06	9.090e+04	-0.01	-1.07								



[illegible]



[illegible]



[illegible]



5.209e+05	-7.871e+06	-2.278e+05	0.13	0.0	196.4	-2.142e+05	3.635e+04	-1882.36	1.808e+05	1.420e+05	-		
						392.9	-2.132e+05	3.422e+04	-1882.36	1.808e+05	-		
2.278e+056.410e+06	35	3	3.017e+06	1.087e+05	-0.19	-3162.39	0.0	-1.027e+05	1.891e+04	-414.31	4.549e+04	1.087e+05	-
3.791e+06													
2.317e+05	-3.791e+06	-5.405e+04	0.03	0.0	196.4	-1.019e+05	1.733e+04	-414.31	4.549e+04	2.733e+04	-		
5.405e+043.017e+06	35	38	2.498e+06	4.906e+05	-0.21	-3162.39	0.0	-8.694e+04	1.600e+04	-1259.17	2.060e+05	4.906e+05	-
3.166e+06													
1.786e+05	-3.166e+06	3.529e+04	0.14	0.0	196.4	-8.614e+04	1.442e+04	-1259.17	2.060e+05	2.629e+05	-		
1259.172.060e+053.529e+042.498e+06	35	39	3.390e+06	-1.319e+05	-0.26	-3162.39	0.0	-1.145e+05	2.096e+04	-120.75	-7.512e+04	-1.319e+05	-
4.224e+06													
2.620e+05	-4.224e+06	-2.187e+05	-0.04	0.0	196.4	-1.137e+05	1.938e+04	-120.75	-7.512e+04	-1.753e+05	-		
2.187e+053.390e+06	35	40	2.556e+06	4.989e+05	-0.20	-3162.39	0.0	-8.857e+04	1.633e+04	-1303.03	2.092e+05	4.989e+05	-
3.237e+06													
1.850e+05	-3.237e+06	2.603e+04	0.14	0.0	196.4	-8.778e+04	1.475e+04	-1303.03	2.092e+05	2.624e+05	-		
1303.032.092e+052.603e+042.556e+06	35	70	2.630e+06	4.002e+05	-0.22	-3162.39	0.0	-9.101e+04	1.674e+04	-1082.50	1.652e+05	4.002e+05	-
3.323e+06													
1.911e+05	-3.323e+06	-4417.96	0.11	0.0	196.4	-9.022e+04	1.515e+04	-1082.50	1.652e+05	1.979e+05	-		
4417.962.630e+06	35	71	3.257e+06	-4.157e+04	-0.26	-3162.39	0.0	-1.104e+05	2.023e+04	-297.43	-3.433e+04	-4.157e+04	-
4.067e+06													
2.496e+05	-4.067e+06	-1.790e+05	-0.02	0.0	196.4	-1.096e+05	1.864e+04	-297.43	-3.433e+04	-1.103e+05	-		
1.790e+053.257e+06	35	72	2.664e+06	4.052e+05	-0.21	-3162.39	0.0	-9.197e+04	1.693e+04	-1108.83	1.672e+05	4.052e+05	-
3.364e+06													
1.947e+05	-3.364e+06	-9968.43	0.11	0.0	196.4	-9.118e+04	1.535e+04	-1108.83	1.672e+05	1.976e+05	-		
9968.432.664e+06	35	73	2.865e+06	1.123e+05	-0.20	-3162.39	0.0	-9.790e+04	1.806e+04	-435.42	4.558e+04	1.123e+05	-
3.609e+06													
2.165e+05	-3.609e+06	-5.872e+04	0.03	0.0	196.4	-9.710e+04	1.648e+04	-435.42	4.558e+04	2.681e+04	-		
5.872e+042.865e+06	35	74	4.495e+06	3.492e+05	-0.32	-3162.39	0.0	-1.512e+05	2.710e+04	-1287.52	1.238e+05	3.492e+05	-
5.532e+06													
3.628e+05	-5.532e+06	-1.566e+05	0.09	0.0	196.4	-1.504e+05	2.552e+04	-1287.52	1.238e+05	9.629e+04	-		
1.566e+054.495e+06	35	77	2.564e+06	1.094e+05	-0.20	-3162.39	0.0	-8.823e+04	1.638e+04	-434.62	4.294e+04	1.094e+05	-
3.249e+06													
1.871e+05	-3.249e+06	-6.139e+04	0.03	0.0	196.4	-8.744e+04	1.480e+04	-434.62	4.294e+04	2.398e+04	-		
6.139e+042.564e+06	35	78	3.379e+06	2.278e+05	-0.26	-3162.39	0.0	-1.149e+05	2.090e+04	-860.67	8.207e+04	2.278e+05	-
4.211e+06													
2.603e+05	-4.211e+06	-1.103e+05	0.06	0.0	196.4	-1.141e+05	1.932e+04	-860.67	8.207e+04	5.872e+04	-		
1.103e+053.379e+06	35	81	2.564e+06	1.094e+05	-0.20	-3162.39	0.0	-8.823e+04	1.638e+04	-434.62	4.294e+04	1.094e+05	-
3.249e+06													
1.871e+05	-3.249e+06	-6.139e+04	0.03	0.0	196.4	-8.744e+04	1.480e+04	-434.62	4.294e+04	2.398e+04	-		
6.139e+042.564e+06	35	82	3.053e+06	1.804e+05	-0.24	-3162.39	0.0	-1.042e+05	1.909e+04	-690.25	6.642e+04	1.804e+05	-
3.826e+06													
2.310e+05	-3.826e+06	-9.076e+04	0.05	0.0	196.4	-1.034e+05	1.751e+04	-690.25	6.642e+04	4.482e+04	-		



					392.9-1.026e+05	1.593e+04	-690.25	6.642e+04	-			
9.076e+043.053e+06	36	2	6.959e+06	2.155e+05	-0.50	-4269.22	0.0-2.332e+05	4.153e+04	1439.02-1.288e+05-3.498e+05	-		
8.519e+06			-8.519e+06	-3.498e+05	-0.09	0.0	196.4-2.322e+05	3.940e+04	1439.02-1.288e+05-6.717e+04	-		
5.701e+05							392.9-2.311e+05	3.727e+04	1439.02	-		
1.288e+052.155e+056.959e+06	36	3	3.017e+06	5.405e+04	-0.19	-3162.39	0.0-1.027e+05	1.891e+04	414.31-4.549e+04-1.087e+05	-		
3.791e+06			-3.791e+06	-1.087e+05	-0.03	0.0	196.4-1.019e+05	1.733e+04	414.31-4.549e+04-2.733e+04	-		
2.317e+05							392.9-1.012e+05	1.575e+04	414.31	-		
4.549e+045.405e+043.017e+06	36	33	2.608e+06	-3.774e+04	-0.22	-3162.39	0.0-9.052e+04	1.661e+04	1170.51-1.956e+05-4.582e+05	-		
3.295e+06			-3.295e+06	-4.582e+05	-0.13	0.0	196.4-8.973e+04	1.503e+04	1170.51-1.956e+05-2.480e+05	-		
1.885e+05							392.9-8.894e+04	1.345e+04	1170.51-1.956e+05	-		
3.774e+042.608e+06	36	35	2.666e+06	-2.848e+04	-0.21	-3162.39	0.0-9.216e+04	1.694e+04	1214.36-1.988e+05-4.665e+05	-		
3.366e+06			-3.366e+06	-4.665e+05	-0.13	0.0	196.4-9.137e+04	1.535e+04	1214.36-1.988e+05-2.475e+05	-		
1.948e+05							392.9-9.058e+04	1.377e+04	1214.36-1.988e+05	-		
2.848e+042.666e+06	36	36	3.500e+06	2.163e+05	-0.27	-3162.39	0.0-1.181e+05	2.157e+04	32.08	8.552e+04	1.643e+05	-
4.354e+06			-4.354e+06	1.643e+05	0.05	0.0	196.4-1.173e+05	1.999e+04	32.08	8.552e+04	1.903e+05	-
2.719e+05							392.9	-				
1.165e+051.841e+04	36	65	2.740e+06	1965.43	-0.22	-3162.39	0.0-9.460e+04	1.735e+04	993.83-1.548e+05-3.678e+05	-		
3.453e+06			-3.453e+06	-3.678e+05	-0.10	0.0	196.4-9.381e+04	1.576e+04	993.83-1.548e+05-1.829e+05	-		
2.009e+05							392.9-9.302e+04	1.418e+04	993.83	-		
1.548e+051965.432.740e+06	36	67	2.774e+06	7515.90	-0.22	-3162.39	0.0-9.556e+04	1.754e+04	1020.16-1.568e+05-3.728e+05	-		
3.494e+06			-3.494e+06	-3.728e+05	-0.11	0.0	196.4-9.477e+04	1.595e+04	1020.16-1.568e+05-1.827e+05	-		
2.046e+05							392.9-9.398e+04	1.437e+04	1020.16	-		
1.568e+057515.902.774e+06	36	68	3.367e+06	1.766e+05	-0.26	-3162.39	0.0-1.140e+05	2.084e+04	208.76	4.473e+04	7.395e+04	-
4.197e+06			-4.197e+06	7.395e+04	0.02	0.0	196.4-1.132e+05	1.925e+04	208.76	4.473e+04	1.253e+05	-
2.594e+05							392.9	-				
1.124e+051.767e+04208.76	36	73	2.865e+06	5.872e+04	-0.20	-3162.39	0.0-9.790e+04	1.806e+04	435.42-4.558e+04-1.123e+05	-		
3.609e+06			-3.609e+06	-1.123e+05	-0.03	0.0	196.4-9.710e+04	1.648e+04	435.42-4.558e+04-2.681e+04	-		
2.165e+05							392.9-9.631e+04	1.490e+04	435.42	-		
4.558e+045.872e+042.865e+06	36	74	4.862e+06	1.484e+05	-0.35	-3162.39	0.0-1.632e+05	2.914e+04	991.96-8.916e+04-2.413e+05	-		
5.963e+06			-5.963e+06	-2.413e+05	-0.06	0.0	196.4-1.624e+05	2.755e+04	991.96-8.916e+04-4.640e+04	-		
3.956e+05							392.9-1.616e+05	2.597e+04	991.96	-		
8.916e+041.484e+054.862e+06	36	77	2.564e+06	6.139e+04	-0.20	-3162.39	0.0-8.823e+04	1.638e+04	434.62-4.294e+04-1.094e+05	-		
3.249e+06			-3.249e+06	-1.094e+05	-0.03	0.0	196.4-8.744e+04	1.480e+04	434.62-4.294e+04-2.398e+04	-		
1.871e+05							392.9-8.664e+04	1.322e+04	434.62	-		
4.294e+046.139e+042.564e+06	36	78	3.562e+06	1.063e+05	-0.27	-3162.39	0.0-1.209e+05	2.192e+04	712.89-6.473e+04-1.738e+05	-		
4.426e+06			-4.426e+06	-1.738e+05	-0.05	0.0	196.4-1.201e+05	2.034e+04	712.89-6.473e+04-3.378e+04	-		
2.767e+05							392.9-1.193e+05	1.875e+04	712.89	-		
6.473e+041.063e+053.562e+06	36	81	2.564e+06	6.139e+04	-0.20	-3162.39	0.0-8.823e+04	1.638e+04	434.62-4.294e+04-1.094e+05	-		
3.249e+06			-3.249e+06	-1.094e+05	-0.03	0.0	196.4-8.744e+04	1.480e+04	434.62-4.294e+04-2.398e+04	-		
1.871e+05							392.9-8.664e+04	1.322e+04	434.62	-		
4.294e+046.139e+042.564e+06												



36	82	3.163e+06	8.831e+04	-0.24	-3162.39	0.0	-1.078e+05	1.970e+04	601.58	-5.602e+04	-1.480e+05	-
3.956e+06		-3.956e+06	-1.480e+05	-0.04	0.0	196.4	-1.070e+05	1.812e+04	601.58	-5.602e+04	-2.986e+04	-
2.408e+05												
5.602e+048.831e+043.163e+06												
37	2	5.638e+06	3.630e+04	-0.53	-4513.79	0.0	-3.191e+05	3.245e+04	177.99	-7.569e+04	-3.362e+04	-
6.223e+06		-6.223e+06	-3.362e+04	-0.08	0.0	196.4	-3.183e+05	3.019e+04	177.99	-7.569e+04	1340.35	-
7.098e+04												
7.569e+043.630e+045.638e+06												
37	3	2.612e+06	-5377.68	-0.22	-3343.55	0.0	-1.424e+05	1.594e+04	87.70	-3.368e+04	-3.983e+04	-
2.995e+06		-2.995e+06	-3.983e+04	-0.03	0.0	196.4	-1.418e+05	1.427e+04	87.70	-3.368e+04	-2.260e+04	-
2.770e+04												
5377.682.612e+06												
37	5	3.600e+06	-4014.22	-0.31	-4513.79	0.0	-1.966e+05	2.191e+04	131.58	-4.770e+04	-5.570e+04	-
4.121e+06		-4.121e+06	-5.570e+04	-0.05	0.0	196.4	-1.958e+05	1.965e+04	131.58	-4.770e+04	-2.986e+04	-
3.866e+04												
4014.223.600e+06												
37	33	1.949e+06	1.663e+05	-0.21	-3343.55	0.0	-1.220e+05	1.236e+04	1567.11	-2.307e+05	-4.868e+05	-
2.252e+06		-2.252e+06	-4.868e+05	-0.20	0.0	196.4	-1.214e+05	1.069e+04	1567.11	-2.307e+05	-	-
1.602e+051.273e+04												
2.307e+051.663e+051.949e+06												
37	36	2.780e+06	4.540e+05	-0.28	-3343.55	0.0	-1.605e+05	1.670e+04	-1333.73	1.711e+05	4.540e+05	-
3.124e+06		-3.124e+06	-1.074e+05	0.13	0.0	196.4	-1.599e+05	1.503e+04	-1333.73	1.711e+05	1.733e+05	-
8083.95												
1.074e+052.780e+06												
37	65	2.073e+06	1.210e+05	-0.22	-3343.55	0.0	-1.277e+05	1.301e+04	1144.65	-1.731e+05	-3.499e+05	-
2.382e+06		-2.382e+06	-3.499e+05	-0.15	0.0	196.4	-1.271e+05	1.134e+04	1144.65	-1.731e+05	-	-
1.144e+059423.06												
1.731e+051.210e+052.073e+06												
37	68	2.656e+06	3.171e+05	-0.27	-3343.55	0.0	-1.548e+05	1.605e+04	-911.27	1.135e+05	3.171e+05	-
2.994e+06		-2.994e+06	-6.216e+04	0.08	0.0	196.4	-1.542e+05	1.438e+04	-911.27	1.135e+05	1.275e+05	-
4779.68												
6.216e+042.656e+06												
37	73	2.405e+06	5014.09	-0.22	-3343.55	0.0	-1.347e+05	1.483e+04	98.69	-3.104e+04	-3.376e+04	-
2.764e+06		-2.764e+06	-3.376e+04	-0.03	0.0	196.4	-1.342e+05	1.316e+04	98.69	-3.104e+04	-1.437e+04	-
1.529e+04												
3.104e+045014.092.405e+06												
37	74	3.932e+06	2.574e+04	-0.37	-3343.55	0.0	-2.232e+05	2.276e+04	126.35	-5.227e+04	-2.390e+04	-
4.352e+06		-4.352e+06	-2.390e+04	-0.06	0.0	196.4	-2.226e+05	2.109e+04	126.35	-5.227e+04	920.61	-
4.588e+04												
5.227e+042.574e+043.932e+06												
37	75	2.571e+06	-1056.85	-0.22	-3343.55	0.0	-1.414e+05	1.572e+04	95.45	-3.358e+04	-3.856e+04	-
2.948e+06		-2.948e+06	-3.856e+04	-0.03	0.0	196.4	-1.408e+05	1.405e+04	95.45	-3.358e+04	-1.981e+04	-
2.422e+04												
1056.852.571e+06												
37	77	2.039e+06	1.837e+04	-0.21	-3343.55	0.0	-1.201e+05	1.287e+04	105.80	-2.546e+04	-2.319e+04	-
2.359e+06		-2.359e+06	-2.319e+04	-0.03	0.0	196.4	-1.195e+05	1.119e+04	105.80	-2.546e+04	-	-
2411.914355.44												
2.546e+041.837e+042.039e+06												
37	78	2.803e+06	2.873e+04	-0.28	-3343.55	0.0	-1.643e+05	1.683e+04	119.63	-3.607e+04	-1.827e+04	-
3.153e+06		-3.153e+06	-1.827e+04	-0.04	0.0	196.4	-1.637e+05	1.516e+04	119.63	-3.607e+04	5233.79	-
1.094e+04												
3.607e+042.873e+042.803e+06												
37	79	2.405e+06	5014.09	-0.22	-3343.55	0.0	-1.347e+05	1.483e+04	98.69	-3.104e+04	-3.376e+04	-
2.764e+06												



1.529e+04	-2.764e+06 -3.376e+04	-0.03	0.0	196.4 -1.342e+05	1.316e+04	98.69 -3.104e+04 -1.437e+04	-
				392.9 -1.336e+05	1.148e+04	98.69	-
3.104e+04	5014.092.405e+06						
37	80 2.863e+06 1.123e+04	-0.27	-3343.55	0.0 -1.613e+05	1.721e+04	106.99 -3.741e+04 -3.080e+04	-
3.240e+06							
	-3.240e+06 -3.080e+04	-0.04	0.0	196.4 -1.607e+05	1.554e+04	106.99 -3.741e+04	-9783.37 -
2.447e+04				392.9 -1.601e+05	1.386e+04	106.99	-
3.741e+04	1.123e+04 2.863e+06						
37	81 2.039e+06 1.837e+04	-0.21	-3343.55	0.0 -1.201e+05	1.287e+04	105.80 -2.546e+04 -2.319e+04	-
2.359e+06							
	-2.359e+06 -2.319e+04	-0.03	0.0	196.4 -1.195e+05	1.119e+04	105.80 -2.546e+04	-
2411.91	4355.44			392.9 -1.189e+05	9523.05	105.80	-
2.546e+04	1.837e+04 2.039e+06						
37	82 2.497e+06 2.459e+04	-0.25	-3343.55	0.0 -1.466e+05	1.525e+04	114.10 -3.183e+04 -2.024e+04	-
2.835e+06							
	-2.835e+06 -2.024e+04	-0.03	0.0	196.4 -1.460e+05	1.357e+04	114.10 -3.183e+04	2175.51 -
4822.38				392.9 -1.454e+05	1.190e+04	114.10	-
3.183e+04	2.459e+04 2.583e+06						
38	1 2.583e+06 -2.468e+04	-0.25	-4679.26	0.0 -2.079e+05	1.596e+04	102.76 -4.857e+04 -6.505e+04	-
2.765e+06							
	-2.765e+06 -6.505e+04	-0.05	0.0	196.4 -2.074e+05	1.362e+04	102.76 -4.857e+04	-
4.487e+04	1.388e+05			392.9 -2.070e+05	1.128e+04	102.76 -4.857e+04	-
2.468e+04	2.583e+06						
38	2 4.003e+06 -2.579e+04	-0.40	-4679.26	0.0 -3.517e+05	2.278e+04	43.72 -6.038e+04 -4.297e+04	-
4.026e+06							
	-4.026e+06 -4.297e+04	-0.07	0.0	196.4 -3.512e+05	2.044e+04	43.72 -6.038e+04	-
3.438e+04	2.181e+05			392.9 -3.507e+05	1.810e+04	43.72 -6.038e+04	-
2.579e+04	4.003e+06						
38	3 2.131e+06 -3.290e+04	-0.19	-3466.12	0.0 -1.600e+05	1.297e+04	79.98 -4.341e+04 -6.432e+04	-
2.285e+06							
	-2.285e+06 -6.432e+04	-0.04	0.0	196.4 -1.597e+05	1.124e+04	79.98 -4.341e+04	-
4.861e+04	9.330e+04			392.9 -1.593e+05	9506.19	79.98 -4.341e+04	-
3.290e+04	2.131e+06						
38	5 2.917e+06 -4.201e+04	-0.26	-4679.26	0.0 -2.207e+05	1.770e+04	112.19 -5.947e+04 -8.608e+04	-
3.118e+06							
	-3.118e+06 -8.608e+04	-0.05	0.0	196.4 -2.203e+05	1.536e+04	112.19 -5.947e+04	-
6.404e+04	1.291e+05			392.9 -2.198e+05	1.302e+04	112.19 -5.947e+04	-
4.201e+04	2.917e+06						
38	28 1.810e+06 3.241e+05	-0.20	-3466.12	0.0 -1.743e+05	1.107e+04	-1453.61 1.792e+05 3.241e+05	-
1.859e+06							
	-1.859e+06 -2.355e+05	0.14	0.0	196.4 -1.740e+05	9340.77	-	
1453.61	1.792e+05 4.428e+04			392.9 -1.736e+05	7607.71	-1453.61 1.792e+05	-
2.355e+05	1.810e+06						
38	33 1.127e+06 3.570e+05	-0.14	-3466.12	0.0 -1.320e+05	7676.23	1672.55 -2.050e+05 -2.897e+05	-
1.208e+06							
	-1.208e+06 -2.897e+05	-0.18	0.0	196.4 -1.317e+05	5943.17	1672.55	-
2.050e+05	3.368e+04 1.294e+05			392.9 -1.313e+05	4210.11	1672.55	-
2.050e+05	3.570e+05 1.127e+06						
38	34 1.694e+06 2.812e+05	-0.20	-3466.12	0.0 -1.731e+05	1.043e+04	-1504.46 1.728e+05 2.812e+05	-
1.724e+06							
	-1.724e+06 -3.400e+05	0.14	0.0	196.4 -1.727e+05	8700.34	-1504.46 1.728e+05	-
2.938e+04	1.556e+05			392.9 -1.724e+05	6967.28	-1504.46 1.728e+05	-
3.400e+05	1.694e+06						
38	35 1.217e+06 3.777e+05	-0.14	-3466.12	0.0 -1.337e+05	8172.56	1589.54 -2.013e+05 -2.770e+05	-
1.312e+06							
	-1.312e+06 -2.770e+05	-0.18	0.0	196.4 -1.334e+05	6439.50	1589.54	-
2.013e+05	5.032e+04 1.227e+05			392.9 -1.330e+05	4706.44	1589.54	-
2.013e+05	3.777e+05 1.217e+06						
38	36 1.785e+06 2.939e+05	-0.20	-3466.12	0.0 -1.748e+05	1.093e+04	-1587.46 1.766e+05 2.939e+05	-
1.828e+06							
	-1.828e+06 -3.194e+05	0.14	0.0	196.4 -1.745e+05	9196.67	-1587.46 1.766e+05	-
1.274e+04	1.489e+05			392.9 -1.741e+05	7463.61	-1587.46 1.766e+05	-
3.194e+05	1.785e+06						
38	60 1.703e+06 2.257e+05	-0.19	-3466.12	0.0 -1.682e+05	1.053e+04	-1005.14 1.228e+05 2.257e+05	-
1.754e+06							
	-1.754e+06 -1.617e+05	0.09	0.0	196.4 -1.678e+05	8800.12	-	
1005.14	1.228e+05 3.199e+04						



						392.9-1.675e+05		7067.06	-1005.14		1.228e+05	-
1.617e+051.703e+06												
38	65	1.227e+06	2.592e+05	-0.15	-3466.12	0.0-1.383e+05		8175.35	1181.01	-1.493e+05-1.980e+05		-
1.304e+06												
				-1.304e+06	-1.980e+05	-0.14	0.0	196.4-1.379e+05	6442.29	1181.01	-	
1.493e+053.061e+041.318e+05												
						392.9-1.376e+05		4709.23	1181.01	-		
1.493e+052.592e+051.227e+06												
38	66	1.630e+06	1.947e+05	-0.19	-3466.12	0.0-1.675e+05		1.013e+04	-1046.21	1.186e+05	1.947e+05	-
1.670e+06												
				-1.670e+06	-2.340e+05	0.09	0.0	196.4-1.671e+05	8399.42	-1046.21	1.186e+05	-
1.966e+041.505e+05												
						392.9-1.668e+05		6666.36	-1046.21	1.186e+05		-
2.340e+051.630e+06												
38	67	1.282e+06	2.716e+05	-0.15	-3466.12	0.0-1.393e+05		8473.48	1131.29	-1.471e+05	-1.904e+05	-
1.366e+06												
				-1.366e+06	-1.904e+05	-0.14	0.0	196.4-1.390e+05	6740.42	1131.29	-	
1.471e+054.060e+041.277e+05												
						392.9-1.386e+05		5007.36	1131.29	-		
1.471e+052.716e+051.282e+06												
38	68	1.685e+06	2.023e+05	-0.19	-3466.12	0.0-1.685e+05		1.043e+04	-1095.93	1.209e+05	2.023e+05	-
1.732e+06												
				-1.732e+06	-2.216e+05	0.09	0.0	196.4-1.682e+05	8697.55	-1095.93	1.209e+05	-
9662.851.465e+05												
						392.9-1.678e+05		6964.49	-1095.93	1.209e+05		-
2.216e+051.685e+06												
38	73	1.830e+06	-1.514e+04	-0.18	-3466.12	0.0-1.500e+05		1.139e+04	72.95	-3.338e+04	-4.380e+04	-
1.963e+06												
				-1.963e+06	-4.380e+04	-0.03	0.0	196.4-1.496e+05	9654.56	72.95	-3.338e+04	-
2.947e+041.041e+05												
						392.9-1.493e+05		7921.51	72.95	-3.338e+04		-
1.514e+041.830e+06												
38	74	2.776e+06	-1.588e+04	-0.28	-3466.12	0.0-2.458e+05		1.593e+04	33.59	-4.125e+04	-2.908e+04	-
2.803e+06												
				-2.803e+06	-2.908e+04	-0.05	0.0	196.4-2.454e+05	1.420e+04	33.59	-4.125e+04	-
2.248e+041.570e+05												
						392.9-2.451e+05		1.247e+04	33.59	-4.125e+04		-
1.588e+042.776e+06												
38	75	2.050e+06	-2.654e+04	-0.19	-3466.12	0.0-1.584e+05		1.254e+04	79.15	-4.054e+04	-5.764e+04	-
2.195e+06												
				-2.195e+06	-5.764e+04	-0.04	0.0	196.4-1.581e+05	1.080e+04	79.15	-4.054e+04	-
4.209e+049.772e+04												
						392.9-1.577e+05		9071.10	79.15	-4.054e+04		-
2.654e+042.050e+06												
38	77	1.348e+06	9931.38	-0.15	-3466.12	0.0-1.314e+05		8858.51	59.31	-1.761e+04	-1.337e+04	-
1.452e+06												
				-1.452e+06	-1.337e+04	-0.02	0.0	196.4-1.311e+05	7125.45	59.31	-1.761e+04	-
1718.601.182e+05												
						392.9-1.307e+05		5392.39	59.31	-		
1.761e+049931.381.348e+06												
38	78	1.821e+06	9561.57	-0.20	-3466.12	0.0-1.793e+05		1.113e+04	39.63	-2.154e+04	-6007.31	-
1.872e+06												
				-1.872e+06	-6007.31	-0.03	0.0	196.4-1.790e+05	9399.03	39.63	-	
2.154e+041777.131.446e+05												
						392.9-1.786e+05		7665.97	39.63	-		
2.154e+049561.571.821e+06												
38	79	1.830e+06	-1.514e+04	-0.18	-3466.12	0.0-1.500e+05		1.139e+04	72.95	-3.338e+04	-4.380e+04	-
1.963e+06												
				-1.963e+06	-4.380e+04	-0.03	0.0	196.4-1.496e+05	9654.56	72.95	-3.338e+04	-
2.947e+041.041e+05												
						392.9-1.493e+05		7921.51	72.95	-3.338e+04		-
1.514e+041.830e+06												
38	80	2.114e+06	-1.537e+04	-0.21	-3466.12	0.0-1.787e+05		1.275e+04	61.14	-3.574e+04	-3.939e+04	-
2.215e+06												
				-2.215e+06	-3.939e+04	-0.04	0.0	196.4-1.784e+05	1.102e+04	61.14	-3.574e+04	-
2.738e+041.200e+05												
						392.9-1.780e+05		9285.65	61.14	-3.574e+04		-
1.537e+042.114e+06												
38	81	1.348e+06	9931.38	-0.15	-3466.12	0.0-1.314e+05		8858.51	59.31	-1.761e+04	-1.337e+04	-
1.452e+06												
				-1.452e+06	-1.337e+04	-0.02	0.0	196.4-1.311e+05	7125.45	59.31	-1.761e+04	-
1718.601.182e+05												
						392.9-1.307e+05		5392.39	59.31	-		
1.761e+049931.381.348e+06												
38	82	1.631e+06	9709.49	-0.18	-3466.12	0.0-1.602e+05		1.022e+04	47.50	-1.997e+04	-8951.82	-
1.704e+06												
				-1.704e+06	-8951.82	-0.03	0.0	196.4-1.598e+05	8489.60	47.50	-	
1.997e+04378.841.340e+05												
						392.9-1.595e+05		6756.54	47.50	-		
1.997e+049709.491.631e+06												



39	1	1.927e+06	-4.623e+04	-0.15	-4762.72	0.0	-2.212e+05	1.226e+04	203.50	-8.133e+04	-1.262e+05	-
1.955e+06		-1.955e+06	-1.262e+05	-0.06	0.0	196.4	-2.210e+05	9880.44	203.50	-8.133e+04	-	
8.620e+04	2	2.00e+05				392.9	-2.209e+05	7499.08	203.50	-8.133e+04	-	
4.623e+04	1	1.927e+06										
39	2	2.503e+06	-5.397e+04	-0.21	-4762.72	0.0	-3.686e+05	1.455e+04	184.36	-8.591e+04	-1.264e+05	-
2.278e+06		-2.278e+06	-1.264e+05	-0.07	0.0	196.4	-3.685e+05	1.217e+04	184.36	-8.591e+04	-	
9.019e+04	3	3.464e+05				392.9	-3.683e+05	9789.02	184.36	-8.591e+04	-	
5.397e+04	2	2.503e+06										
39	3	1.768e+06	-5.194e+04	-0.14	-3527.94	0.0	-1.721e+05	1.085e+04	195.21	-7.918e+04	-1.286e+05	-
1.800e+06		-1.800e+06	-1.286e+05	-0.06	0.0	196.4	-1.719e+05	9081.08	195.21	-7.918e+04	-	
9.028e+04	4	4.157e+05				392.9	-1.718e+05	7317.11	195.21	-7.918e+04	-	
5.194e+04	1	1.768e+06										
39	6	2.795e+06	-7.364e+04	-0.22	-4762.72	0.0	-3.402e+05	1.625e+04	249.65	-1.097e+05	-1.717e+05	-
2.653e+06		-2.653e+06	-1.717e+05	-0.08	0.0	196.4	-3.401e+05	1.387e+04	249.65	-1.097e+05	-	
1.227e+05	3	3.051e+05				392.9	-3.399e+05	1.149e+04	249.65	-1.097e+05	-	
7.364e+04	2	2.795e+06										
39	8	2.636e+06	-7.934e+04	-0.20	-3527.94	0.0	-2.911e+05	1.483e+04	241.36	-1.076e+05	-1.742e+05	-
2.498e+06		-2.498e+06	-1.742e+05	-0.08	0.0	196.4	-2.910e+05	1.307e+04	241.36	-1.076e+05	-	
1.268e+05	4	4.21e+05				392.9	-2.909e+05	1.130e+04	241.36	-1.076e+05	-	
7.934e+04	1	2.636e+06										
39	12	8.269e+05	1.472e+04	-0.09	-3527.94	0.0	-1.663e+05	5862.71	-400.38	3.153e+04	1.472e+04	-
7.834e+05		-7.834e+05	-1.116e+05	0.02	0.0	196.4	-1.662e+05	4098.74	-400.38	3.153e+04	-	
4.842e+04	1	1.950e+05				392.9	-1.661e+05	2334.77	-400.38	3.153e+04	-	
1.116e+05	2	2.69e+05										
39	25	2.796e+05	4.017e+05	-0.04	-3527.94	0.0	-1.353e+05	3142.70	1097.41	-1.128e+05	7.699e+04	-
2.701e+05		-2.701e+05	7.699e+04	-0.09	0.0	196.4	-1.352e+05	1378.73	1097.41	-	-	
1.128e+05	2	2.393e+05	1.740e+05			392.9	-1.351e+05	-385.24	1097.41	-	-	
1.128e+05	1	4.017e+05										
39	28	7.722e+05	-6.619e+04	-0.08	-3527.94	0.0	-1.794e+05	5482.31	-1064.36	1.008e+05	-6.619e+04	-
6.887e+05		-6.887e+05	-3.779e+05	0.08	0.0	196.4	-1.793e+05	3718.34	-1064.36	1.008e+05	-	
2.220e+05	2	2.150e+05				392.9	-1.792e+05	1954.37	-1064.36	1.008e+05	-	
3.779e+05	1	7.22e+05										
39	33	3.250e+05	3.518e+05	-0.04	-3527.94	0.0	-1.351e+05	3422.95	624.08	-6.696e+04	1.578e+05	-
3.266e+05		-3.266e+05	1.578e+05	-0.06	0.0	196.4	-1.350e+05	1658.98				



4.851e+041.804e+051.785e+05	-3.801e+05 1.138e+05	-0.05	0.0	196.4-1.415e+05	1961.93	409.38	-
				392.9-1.414e+05	197.96	409.38	-
4.851e+042.469e+053.906e+05	39 68 6.531e+05-1.030e+05	-0.07	-3527.94	0.0-1.731e+05	4899.11	-376.32	3.649e+04 -1.030e+05 -
5.786e+05	-5.786e+05-2.232e+05	0.03	0.0	196.4-1.730e+05	3135.14	-376.32	3.649e+04 -
1.631e+052.105e+05				392.9-1.729e+05	1371.16	-376.32	3.649e+04 -
2.232e+056.531e+05	39 73 1.324e+06-2.995e+04	-0.11	-3527.94	0.0-1.591e+05	8561.57	137.89	-5.485e+04 -8.413e+04 -
1.346e+06	-1.346e+06-8.413e+04	-0.04	0.0	196.4-1.590e+05	6797.60	137.89	-5.485e+04 -
5.704e+041.625e+05				392.9-1.589e+05	5033.63	137.89	-5.485e+04 -
2.995e+041.324e+06	39 74 1.709e+06-3.512e+04	-0.14	-3527.94	0.0-2.574e+05	1.009e+04	125.13	-5.790e+04 -8.427e+04 -
1.562e+06	-1.562e+06-8.427e+04	-0.04	0.0	196.4-2.573e+05	8324.23	125.13	-5.790e+04 -
5.970e+042.467e+05				392.9-2.572e+05	6560.25	125.13	-5.790e+04 -
3.512e+041.709e+06	39 76 1.899e+06-4.803e+04	-0.15	-3527.94	0.0-2.384e+05	1.120e+04	168.14	-7.357e+04 -1.141e+05 -
1.807e+06	-1.807e+06-1.141e+05	-0.05	0.0	196.4-2.382e+05	9435.26	168.14	-7.357e+04 -
8.106e+042.192e+05				392.9-2.381e+05	7671.28	168.14	-7.357e+04 -
4.803e+041.899e+06	39 77 6.514e+05 1871.03	-0.06	-3527.94	0.0-1.362e+05	5109.73	51.70	-1.836e+04 -1.844e+04 -
6.630e+05	-6.630e+05-1.844e+04	-0.02	0.0	196.4-1.361e+05	3345.76	51.70	-1.836e+04 -
8284.361.674e+05				392.9-1.360e+05	1581.79	51.70	-
1.836e+041871.036.514e+05	39 80 1.440e+06-3.150e+04	-0.12	-3527.94	0.0-1.886e+05	9019.56	134.06	-5.576e+04 -8.417e+04 -
1.411e+06	-1.411e+06-8.417e+04	-0.04	0.0	196.4-1.885e+05	7255.59	134.06	-5.576e+04 -
5.784e+041.878e+05				392.9-1.884e+05	5491.62	134.06	-5.576e+04 -
3.150e+041.440e+06	39 81 6.514e+05 1871.03	-0.06	-3527.94	0.0-1.362e+05	5109.73	51.70	-1.836e+04 -1.844e+04 -
6.630e+05	-6.630e+05-1.844e+04	-0.02	0.0	196.4-1.361e+05	3345.76	51.70	-1.836e+04 -
8284.361.674e+05				392.9-1.360e+05	1581.79	51.70	-
1.836e+041871.036.514e+05	39 82 7.666e+05 322.21	-0.08	-3527.94	0.0-1.657e+05	5567.72	47.87	-1.928e+04 -1.848e+04 -
7.277e+05	-7.277e+05-1.848e+04	-0.02	0.0	196.4-1.656e+05	3803.75	47.87	-1.928e+04 -
9080.921.927e+05				392.9-1.655e+05	2039.78	47.87	-
1.928e+04322.217.666e+05	40 2 1.121e+06 6.187e+04	-0.01	-4762.72	0.0-3.804e+05	7179.96	767.90	-1.139e+05 -2.398e+05 -
7.644e+05	-7.644e+05-2.398e+05	-0.08	0.0	196.4-3.805e+05	4798.60	767.90	-1.139e+05 -
8.897e+044.120e+05				392.9-3.807e+05	2417.24	767.90	-
1.139e+056.187e+041.121e+06	40 3 1.577e+06 4.543e+04	-0.07	-3527.94	0.0-1.838e+05	9546.87	698.64	-1.152e+05 -2.290e+05 -
1.481e+06	-1.481e+06-2.290e+05	-0.08	0.0	196.4-1.839e+05	7782.89	698.64	-1.152e+05 -
9.180e+042.215e+05				392.9-1.840e+05	6018.92	698.64	-
1.152e+054.543e+041.577e+06	40 6 1.885e+06 6.998e+04	-0.06	-4762.72	0.0-3.560e+05	1.117e+04	982.55	-1.538e+05 -3.160e+05 -
1.568e+06	-1.568e+06-3.160e+05	-0.10	0.0	196.4-3.562e+05	8790.34	982.55	-1.538e+05 -
1.230e+053.921e+05				392.9-3.563e+05	6408.98	982.55	-
1.538e+056.998e+041.885e+06	40 7 2.251e+06 5.698e+04	-0.11	-3527.94	0.0-2.037e+05	1.288e+04	933.29	-1.550e+05 -3.097e+05 -
2.118e+06	-2.118e+06-3.097e+05	-0.11	0.0	196.4-2.038e+05	1.112e+04	933.29	-1.550e+05 -
1.263e+052.398e+05				392.9-2.039e+05	9354.91	933.29	-
1.550e+055.698e+042.251e+06	40 8 2.039e+06 6.501e+04	-0.07	-3527.94	0.0-3.069e+05	1.135e+04	980.00	-1.548e+05 -3.200e+05 -
1.728e+06	-1.728e+06-3.200e+05	-0.11	0.0	196.4-3.071e+05	9588.81	980.00	-1.548e+05 -
1.275e+053.289e+05							



[illegible]



40	76	1.218e+06	4.760e+04	-0.03	-3527.94	0.0	-2.489e+05	7434.70	655.71	-1.024e+05	-2.100e+05	-
1.010e+06		-1.010e+06	-2.100e+05	-0.07	0.0	196.4	-2.490e+05	5670.73	655.71	-1.024e+05		-
8.120e+04	2.773e+05						392.9	-2.491e+05	3906.76	655.71	-	
1.024e+05	4.760e+04	1.218e+06										
40	77	1.850e+05	1.793e+04	0.03	-3527.94	0.0	-1.381e+05	1431.62	130.56	-1.869e+04		-
3.336e+04	7.150e+04											
		-5.907e+04	-3.336e+04	-0.01	0.0	196.4	-1.382e+05	-332.36	130.56	-1.869e+04		-
7715.321	7.95e+05						392.9	-1.384e+05	-2096.33	130.56	-1.869e+04	1.793e+04
5.907e+04												-
40	79	9.158e+05	3.465e+04	-0.03	-3527.94	0.0	-1.669e+05	6260.02	470.20	-7.632e+04	-1.501e+05	
8.505e+05												
		-8.505e+05	-1.501e+05	-0.05	0.0	196.4	-1.670e+05	4496.05	470.20	-7.632e+04		-
5.771e+04	2.059e+05						392.9	-1.672e+05	2732.08	470.20	-	
7.632e+04	3.465e+04	9.158e+05										
40	80	8.554e+05	3.695e+04	-0.02	-3527.94	0.0	-1.964e+05	5822.86	483.54	-7.627e+04	-1.530e+05	-
7.392e+05												
		-7.392e+05	-1.530e+05	-0.05	0.0	196.4	-1.965e+05	4058.89	483.54	-7.627e+04		-
5.804e+04	2.314e+05						392.9	-1.967e+05	2294.92	483.54	-	
7.627e+04	3.695e+04	9.158e+05										
40	81	1.850e+05	1.793e+04	0.03	-3527.94	0.0	-1.381e+05	1431.62	130.56	-1.869e+04		-
3.336e+04	7.150e+04											
		-5.907e+04	-3.336e+04	-0.01	0.0	196.4	-1.382e+05	-332.36	130.56	-1.869e+04		-
7715.321	7.95e+05						392.9	-1.384e+05	-2096.33	130.56	-1.869e+04	1.793e+04
5.907e+04												-
40	82	2.372e+05	2.022e+04	0.04	-3527.94	0.0	-1.676e+05	994.45	143.91	-1.864e+04		-
3.631e+04	1.828e+05											
		-1.195e+05	-3.631e+04	-0.01	0.0	196.4	-1.677e+05	-769.52	143.91	-1.864e+04		-
8043.492	0.049e+05						392.9	-1.679e+05	-2533.49	143.91	-1.864e+04	2.022e+04
1.195e+05												-
41	2	8.878e+05	5.351e+05	0.26	-4679.26	0.0	-3.894e+05	-1317.29	2053.28	-2.145e+04		-
2.715e+05	8.878e+05											
		-5.489e+05	-2.715e+05	-0.05	0.0	196.4	-3.899e+05	-3656.92	2053.28			-
2.145e+04	1.318e+05	3.992e+05					392.9	-3.903e+05	-5996.55	2053.28	-2.145e+04	5.351e+05
5.489e+05												-
41	3	1.224e+06	4.791e+05	0.04	-3466.12	0.0	-1.977e+05	7370.00	1933.66	-4.364e+04	-2.805e+05	-
9.903e+05												
		-9.903e+05	-2.805e+05	-0.07	0.0	196.4	-1.981e+05	5636.94	1933.66			-
4.364e+04	9.932e+04	2.872e+05					392.9	-1.984e+05	3903.88	1933.66		



-1.726e+06-2.255e+05	-0.10	0.0	196.4-1.690e+05	-8603.60	1153.24	-		
1.176e+053602.391.343e+05								
			392.9-1.694e+05-1.034e+04		1153.24-1.176e+05	2.327e+05	-	
1.726e+06								
41 59 1.286e+06 2.637e+05	0.16	-3466.12	0.0-1.368e+05	-5038.50	-			
1131.881.526e+052.637e+051.286e+06								
-1.375e+06-1.861e+05	0.14	0.0	196.4-1.372e+05	-6771.56	-			
1131.881.526e+053.879e+041.258e+05								
			392.9-1.375e+05	-8504.62	-1131.88	1.526e+05-1.861e+05	-	
1.375e+06								
41 66 1.672e+06 2.561e+05	0.20	-3466.12	0.0-1.683e+05	-6971.19	1062.78-1.194e+05	-		
1.661e+051.672e+06								
-1.748e+06-1.661e+05	-0.10	0.0	196.4-1.686e+05	-8704.25	1062.78	-		
1.194e+054.499e+041.323e+05								
			392.9-1.690e+05-1.044e+04		1062.78-1.194e+05	2.561e+05	-	
1.748e+06								
41 73 3.778e+05 3.255e+05	0.08	-3466.12	0.0-1.750e+05	3342.25	1289.34-2.407e+04-1.810e+05	-		
2.548e+05								
-2.548e+05-1.810e+05	-0.04	0.0	196.4-1.753e+05	1609.19	1289.34	-		
2.407e+047.228e+042.315e+05								
			392.9-1.757e+05	-123.87	1289.34	-		
2.407e+043.255e+053.774e+05								
41 74 6.917e+05 3.592e+05	0.19	-3466.12	0.0-2.710e+05	-1241.10	1373.70-1.337e+04	-		
1.805e+056.917e+05								
-4.767e+05-1.805e+05	-0.03	0.0	196.4-2.713e+05	-2974.16	1373.70	-		
1.337e+048.938e+042.777e+05								
			392.9-2.717e+05	-4707.22	1373.70-1.337e+04	3.592e+05	-	
4.767e+05								
41 75 9.345e+05 4.297e+05	0.06	-3466.12	0.0-1.920e+05	5982.84	1724.00-3.686e+04-2.476e+05	-		
7.351e+05								
-7.351e+05-2.476e+05	-0.06	0.0	196.4-1.924e+05	4249.78	1724.00	-		
3.686e+049.102e+042.699e+05								
			392.9-1.927e+05	2516.72	1724.00	-		
3.686e+044.297e+059.345e+05								
41 76 3.636e+05 4.532e+05	0.13	-3466.12	0.0-2.592e+05	2774.50	1783.05-2.937e+04-2.473e+05	-		
7.251e+04								
-7.251e+04-2.473e+05	-0.05	0.0	196.4-2.596e+05	1041.44	1783.05	-		
2.937e+041.030e+053.023e+05								
			392.9-2.599e+05	-691.62	1783.05	-		
2.937e+044.532e+053.666e+05								
41 77 8.017e+05 9.649e+04	0.13	-3466.12	0.0-1.376e+05	-2467.05	333.10	4066.71	-	
3.437e+048.017e+05								
-8.483e+05-3.437e+04	1.73e-03	0.0	196.4-1.379e+05	-				
4200.11 333.10 4066.71 3.106e+04 1.469e+05								
			392.9-1.383e+05	-5933.16	333.10	4066.71	9.649e+04	-
8.483e+05								
41 78 1.275e+06 1.133e+05	0.18	-3466.12	0.0-1.856e+05	-4758.72	375.28	9416.61	-	
3.411e+041.275e+06								
-1.275e+06-3.411e+04	6.96e-03	0.0	196.4-1.859e+05	-				
6491.78 375.28 9416.61 3.961e+04 1.700e+05								
			392.9-1.862e+05	-8224.84	375.28	9416.61	1.133e+05	-
1.275e+06								
41 79 3.778e+05 3.255e+05	0.08	-3466.12	0.0-1.750e+05	3342.25	1289.34-2.407e+04-1.810e+05	-		
2.548e+05								
-2.548e+05-1.810e+05	-0.04	0.0	196.4-1.753e+05	1609.19	1289.34	-		
2.407e+047.228e+042.315e+05								
			392.9-1.757e+05	-123.87	1289.34	-		
2.407e+043.255e+053.774e+05								
41 80 2.484e+05 3.356e+05	0.11	-3466.12	0.0-2.038e+05	1967.25	1314.65-2.086e+04	-		
1.808e+052.914e+04								
2.914e+04-1.808e+05	-0.04	0.0	196.4-2.041e+05	234.19	1314.65	-		
2.086e+047.741e+042.454e+05								
			392.9-2.045e+05	-1498.87	1314.65	-		
2.086e+043.356e+051.211e+05								
41 81 8.017e+05 9.649e+04	0.13	-3466.12	0.0-1.376e+05	-2467.05	333.10	4066.71	-	
3.437e+048.017e+05								
-8.483e+05-3.437e+04	1.73e-03	0.0	196.4-1.379e+05	-				
4200.11 333.10 4066.71 3.106e+04 1.469e+05								
			392.9-1.383e+05	-5933.16	333.10	4066.71	9.649e+04	-
8.483e+05								
41 82 1.086e+06 1.066e+05	0.16	-3466.12	0.0-1.664e+05	-3842.05	358.41	7276.65	-	
3.421e+041.086e+06								
-1.105e+06-3.421e+04	4.87e-03	0.0	196.4-1.667e+05	-				
5575.11 358.41 7276.65 3.619e+04 1.608e+05								
			392.9-1.671e+05	-7308.17	358.41	7276.65	1.066e+05	-
1.105e+06								
42 2 4.149e+06 5.494e+05	0.58	-4513.79	0.0-3.850e+05	-				
1.920e+04858.751.052e+05 2.120e+05 4.149e+06								
-4.282e+06 2.120e+05	0.11	0.0	196.4-3.858e+05	-				
2.146e+04858.751.052e+05 3.807e+05 1.555e+05								



										392.9-3.866e+05-2.372e+04	858.75	1.052e+05	5.494e+05	-	
4.282e+06	42	3	1.346e+06	5.595e+05	0.28	-3343.55	0.0	-2.082e+05	-						
5114.50	1072.79	6.391e+04	1.380e+05	1.346e+06											
		-1.320e+06	1.380e+05	0.06		0.0	196.4	-2.088e+05	-						
6786.27	1072.79	6.391e+04	3.487e+05	1.769e+05											
										392.9-2.094e+05	-8458.05	1072.79	6.391e+04	5.595e+05	-
1.320e+06	42	8	2.696e+06	7.603e+05	0.47	-3343.55	0.0	-3.342e+05	-						
1.183e+04	1397.919	9.992e+042	1.11e+05	2.696e+06											
		-2.609e+06	2.111e+05	0.10		0.0	196.4	-3.348e+05	-						
1.350e+04	1397.919	9.992e+044	8.57e+05	2.078e+05											
										392.9-3.354e+05-1.517e+04	1397.91	9.992e+04	7.603e+05	-	
2.609e+06	42	26	2.491e+06	4.475e+05	0.27	-3343.55	0.0	-1.615e+05-1.179e+04	1241.73	-1.688e+05		-			
7.132e+042	4.91e+06														
		-2.797e+06	-7.132e+04	-0.12		0.0	196.4	-1.621e+05-1.346e+04	1241.73		-				
1.688e+051	8.81e+051	1.112e+04													
										392.9-1.627e+05-1.513e+04	1241.73	-1.688e+05	4.475e+05	-	
2.797e+06	42	27	1.904e+06	1.759e+05	0.21	-3343.55	0.0	-1.189e+05	-8721.89		-				
1652.782	2.279e+051	7.59e+051	9.04e+06												
		-2.179e+06	-5.044e+05	0.20		0.0	196.4	-1.195e+05-1.039e+04	-1652.78	2.279e+05		-			
1.642e+052	7.14e+04														
										392.9-1.201e+05-1.207e+04	-1652.78	2.279e+05	-5.044e+05	-	
2.179e+06	42	34	2.488e+06	3.963e+05	0.27	-3343.55	0.0	-1.608e+05-1.178e+04	992.35	-1.456e+05		-			
4.048e+042	4.88e+06														
		-2.797e+06	-4.048e+04	-0.11		0.0	196.4	-1.614e+05-1.345e+04	992.35		-				
1.456e+051	7.79e+059	609.49													
										392.9-1.620e+05-1.513e+04	992.35	-1.456e+05	3.963e+05	-	
2.797e+06	42	58	2.402e+06	3.089e+05	0.26	-3343.55	0.0	-1.552e+05-1.132e+04	816.49	-1.115e+05		-			
2.916e+042	4.02e+06														
		-2.703e+06	-2.916e+04	-0.08		0.0	196.4	-1.558e+05-1.299e+04	816.49		-				
1.115e+051	3.39e+051	3.77e+04													
										392.9-1.563e+05-1.466e+04	816.49	-1.115e+05	3.089e+05	-	
2.703e+06	42	59	1.993e+06	1.338e+05	0.22	-3343.55	0.0	-1.253e+05	-9187.87		-				
1227.541	7.06e+051	1.338e+051	9.93e+06												
		-2.273e+06	-3.658e+05	0.15		0.0	196.4	-1.259e+05-1.086e+04	-1227.54	1.706e+05		-			
1.160e+052	4.48e+04														
										392.9-1.264e+05-1.253e+04	-1227.54	1.706e+05	-3.658e+05	-	
2.273e+06	42	66	2.400e+06	2.726e+05	0.26	-3343.55	0.0	-1.547e+05-1.132e+04	637.91	-9.503e+04		-			
5775.832	4.00e+06														
		-2.703e+06	-5775.83	-0.06		0.0	196.4	-1.552e+05-1.299e+04	637.91		-				
9.503e+041	3.34e+051	2.69e+04													
										392.9-1.558e+05-1.466e+04	637.91	-9.503e+04	2.726e+05	-	
2.703e+06	42	73	1.512e+06	3.642e+05	0.26	-3343.55	0.0	-1.785e+05	-						
6216.84	654.31	5.123e+04	1.072e+05	1.512e+06											
		-1.587e+06	1.072e+05	0.05		0.0	196.4	-1.791e+05	-						
7888.61	654.31	5.123e+04	2.357e+05	1.263e+05											
										392.9-1.796e+05	-9560.39	654.31	5.123e+04	3.642e+05	-
1.587e+06	42	74	2.924e+06	3.658e+05	0.41	-3343.55	0.0	-2.672e+05	-						
1.351e+04	562.357	2.06e+04	1.449e+05	2.924e+06											
		-3.039e+06	1.449e+05	0.08		0.0	196.4	-2.678e+05	-						
1.518e+04	562.357	2.06e+04	2.553e+05	1.069e+05											
										392.9-2.684e+05-1.685e+04	562.35	7.206e+04	3.658e+05	-	
3.039e+06	42	76	2.413e+06	4.963e+05	0.38	-3343.55	0.0	-2.622e+05	-						
1.070e+04	867.367	5.12e+04	1.556e+05	2.413e+06											
		-2.448e+06	1.556e+05	0.08		0.0	196.4	-2.628e+05	-						
1.237e+04	867.367	5.12e+04	3.260e+05	1.465e+05											
										392.9-2.634e+05-1.405e+04	867.36	7.512e+04	4.963e+05	-	
2.448e+06	42	77	1.704e+06	7.593e+04	0.21	-3343.55	0.0	-1.309e+05	-						
7573.96	43.99	3.076e+04	5.864e+04	1.704e+06											
		-1.928e+06	5.864e+04	0.04		0.0	196.4	-1.315e+05	-						
9245.73	43.99	3.076e+04	6.729e+04	5.200e+04											
										392.9-1.321e+05-1.092e+04	43.99	3.076e+04	7.593e+04	-	
1.928e+06	42	78	2.410e+06	7.749e+04	0.29	-3343.55	0.0	-1.753e+05-1.122e+04	-						
1.984.117e+04	7.749e+042	4.10e+06													
		-2.654e+06	7.672e+04	0.05		0.0	196.4	-1.759e+05-1.289e+04	-						
1.984.117e+04	7.711e+044	2.26e+04													
										392.9-1.764e+05-1.456e+04	-1.98	4.117e+04	7.672e+04	-	
2.654e+06															



42	80	1.935e+06	3.647e+05	0.30	-3343.55	0.0	-2.051e+05	-				
8403.60	626.72	5.748e+04	1.185e+05	1.935e+06								
		-2.023e+06	1.185e+05	0.06	0.0	196.4	-2.057e+05	-				
1.008e+04	626.725	7.48e+04	2.416e+05	1.205e+05								
						392.9	-2.063e+05	-1.175e+04	626.72	5.748e+04	3.647e+05	-
2.023e+06												
42	81	1.704e+06	7.593e+04	0.21	-3343.55	0.0	-1.309e+05	-				
7573.96	43.99	3.076e+04	5.864e+04	1.704e+06								
		-1.928e+06	5.864e+04	0.04	0.0	196.4	-1.315e+05	-				
9245.73	43.99	3.076e+04	6.729e+04	5.200e+04								
						392.9	-1.321e+05	-1.092e+04	43.99	3.076e+04	7.593e+04	-
1.928e+06												
42	82	2.128e+06	7.640e+04	0.26	-3343.55	0.0	-1.575e+05	-				
9760.72	16.41	3.701e+04	6.995e+04	2.128e+06								
		-2.364e+06	6.995e+04	0.04	0.0	196.4	-1.581e+05	-				
1.143e+04	16.41	3.701e+04	7.318e+04	4.616e+04								
						392.9	-1.587e+05	-1.310e+04	16.41	3.701e+04	7.640e+04	-
2.364e+06												
43	3	4.889e+06	9.634e+05	0.49	-3162.39	0.0	-1.781e+05	-2.622e+04	-			
5045.042	357e+059	6.34e+054	8.89e+06									
		-6.032e+06	-1.019e+06	0.22	0.0	196.4	-1.789e+05	-2.780e+04	-5045.04	2.357e+05	-2.758e+04	-
4.165e+05												
						392.9	-1.796e+05	-2.938e+04	-5045.04	2.357e+05	-1.019e+06	-
6.032e+06												
43	6	8.662e+06	1.390e+06	0.83	-4269.22	0.0	-3.145e+05	-4.697e+04	-			
7397.753	680e+051	3.90e+068	6.62e+06									
		-1.063e+07	-1.516e+06	0.34	0.0	196.4	-3.156e+05	-4.910e+04	-7397.75	3.680e+05	-6.280e+04	-
7.728e+05												
						392.9	-3.166e+05	-5.124e+04	-7397.75	3.680e+05	-1.516e+06	-
1.063e+07												
43	25	2.584e+06	-3.927e+04	0.20	-3162.39	0.0	-9.148e+04	-1.340e+04	-1233.46	1.937e+05	-	
3.927e+042	584e+06											
		-3.301e+06	-4.851e+05	0.13	0.0	196.4	-9.228e+04	-1.498e+04	-1233.46	1.937e+05	-2.622e+05	-
2.032e+05												
						392.9	-9.307e+04	-1.656e+04	-1233.46	1.937e+05	-4.851e+05	-
3.301e+06												
43	26	3.296e+06	2.118e+05	0.27	-3162.39	0.0	-1.241e+05	-1.753e+04	11.77	-		
7.703e+042	118e+053	2.96e+06										
		-4.214e+06	1.772e+05	-0.04	0.0	196.4	-1.249e+05	-1.912e+04	11.77	-7.703e+04	1.945e+05	-
3.039e+05												
						392.9	-1.257e+05	-2.070e+04	11.77	-7.703e+04	1.772e+05	-
4.214e+06												



5.318e+05	-7.359e+06 -1.019e+06	0.23	0.0	196.4 -2.182e+05 -3.397e+04	-4962.94	2.487e+05 -4.391e+04	-
7.359e+06				392.9 -2.190e+05 -3.555e+04	-4962.94	2.487e+05 -1.019e+06	-
43	77 2.803e+06 2.176e+05	0.25	-3162.39	0.0 -1.027e+05 -1.466e+04	-		
1250.107.786e+04	2.176e+05 2.803e+06						
2.321e+05	-3.578e+06 -2.736e+05	0.07	0.0	196.4 -1.035e+05 -1.624e+04	-1250.10	7.786e+04 -2.800e+04	-
3.578e+06				392.9 -1.043e+05 -1.783e+04	-1250.10	7.786e+04 -2.736e+05	-
43	80 4.647e+06 6.919e+05	0.44	-3162.39	0.0 -1.692e+05 -2.492e+04	-		
3700.691.871e+05	6.919e+05 4.647e+06						
4.032e+05	-5.764e+06 -7.620e+05	0.17	0.0	196.4 -1.700e+05 -2.650e+04	-3700.69	1.871e+05 -3.505e+04	-
5.764e+06				392.9 -1.708e+05 -2.808e+04	-3700.69	1.871e+05 -7.620e+05	-
43	81 2.803e+06 2.176e+05	0.25	-3162.39	0.0 -1.027e+05 -1.466e+04	-		
1250.107.786e+04	2.176e+05 2.803e+06						
2.321e+05	-3.578e+06 -2.736e+05	0.07	0.0	196.4 -1.035e+05 -1.624e+04	-1250.10	7.786e+04 -2.800e+04	-
3.578e+06				392.9 -1.043e+05 -1.783e+04	-1250.10	7.786e+04 -2.736e+05	-
43	82 3.372e+06 2.443e+05	0.29	-3162.39	0.0 -1.232e+05 -1.785e+04	-		
1418.909.155e+04	2.443e+05 3.372e+06						
2.900e+05	-4.262e+06 -3.131e+05	0.08	0.0	196.4 -1.240e+05 -1.943e+04	-1418.90	9.155e+04 -3.443e+04	-
4.262e+06				392.9 -1.247e+05 -2.101e+04	-1418.90	9.155e+04 -3.131e+05	-
44	2 5.237e+06 1.644e+05	-0.49	-4513.79	0.0 -2.950e+05 3.037e+04	-699.05	1.221e+05 1.644e+05	-
5.809e+06							
6.469e+04	-5.809e+06 -1.102e+05	0.14	0.0	196.4 -2.943e+05 2.812e+04	-699.05	1.221e+05 2.709e+04	-
1.102e+05	5.237e+06			392.9 -2.935e+05 2.586e+04	-699.05	1.221e+05	-
44	3 2.612e+06 3.983e+04	-0.22	-3343.55	0.0 -1.424e+05 1.594e+04	-87.70	3.368e+04 3.983e+04	-
2.995e+06							
2.770e+04	-2.995e+06 5377.68	0.03	0.0	196.4 -1.418e+05 1.427e+04	-87.70	3.368e+04 2.260e+04	-
87.703.368e+04	5377.68			392.9 -1.412e+05 1.260e+04	-		
44	38 1.868e+06 5.129e+05	-0.21	-3343.55	0.0 -1.172e+05 1.195e+04	-1671.32	2.400e+05 5.129e+05	-
2.169e+06							
1671.322.400e+05	-2.169e+06 -1.811e+05	0.21	0.0	196.4 -1.166e+05 1.028e+04	-		
1.811e+05	1.868e+06			392.9 -1.160e+05 8605.34	-1671.32	2.400e+05	-
44	39 2.700e+06 9.262e+04	-0.28	-3343.55	0.0 -1.557e+05 1.629e+04	1229.52	-1.619e+05 -4.278e+05	-
3.042e+06							
6827.03	-3.042e+06 -4.278e+05	-0.12	0.0	196.4 -1.551e+05 1.461e+04	1229.52	-1.619e+05 -1.676e+05	-
1.619e+05	2.62e+04			392.9 -1.545e+05 1.294e+04	1229.52	-	
44	70 1.992e+06 3.760e+05	-0.22	-3343.55	0.0 -1.229e+05 1.260e+04	-1248.86	1.823e+05 3.760e+05	-
2.299e+06							
1248.861.823e+05	-2.299e+06 -1.358e+05	0.16	0.0	196.4 -1.223e+05 1.092e+04	-		
1.358e+05	1.992e+06			392.9 -1.217e+05 9252.38	-1248.86	1.823e+05	-
44	71 2.576e+06 4.737e+04	-0.27	-3343.55	0.0 -1.500e+05 1.564e+04	807.06	-1.042e+05 -2.909e+05	-
2.911e+06							
3522.75	-2.911e+06 -2.909e+05	-0.07	0.0	196.4 -1.494e+05 1.397e+04	807.06	-1.042e+05 -1.218e+05	-
1.042e+05	4.737e+04			392.9 -1.489e+05 1.230e+04	807.06	-	
44	73 2.405e+06 3.376e+04	-0.22	-3343.55	0.0 -1.347e+05 1.483e+04	-98.69	3.104e+04 3.376e+04	-
2.764e+06							
1.529e+04	-2.764e+06 -5014.09	0.03	0.0	196.4 -1.342e+05 1.316e+04	-98.69	3.104e+04 1.437e+04	-
5014.092.405e+06				392.9 -1.336e+05 1.148e+04	-98.69	3.104e+04	-
44	74 3.664e+06 1.111e+05	-0.35	-3343.55	0.0 -2.071e+05 2.137e+04	-473.73	8.321e+04 1.111e+05	-
4.076e+06							
4.169e+04	-4.076e+06 -7.502e+04	0.09	0.0	196.4 -2.066e+05 1.970e+04	-473.73	8.321e+04 1.803e+04	-
7.502e+04	3.664e+06			392.9 -2.060e+05 1.803e+04	-473.73	8.321e+04	-
44	77 2.039e+06 2.319e+04	-0.21	-3343.55	0.0 -1.201e+05 1.287e+04	-105.80	2.546e+04 2.319e+04	-
2.359e+06							
105.802.546e+04	-2.359e+06 -1.837e+04	0.03	0.0	196.4 -1.195e+05 1.119e+04	-		
2411.91	4355.44						



					392.9-1.189e+05		9523.05		-105.80 2.546e+04		-	
1.837e+042.039e+06												
44	78	2.669e+06	6.186e+04	-0.27	-3343.55	0.0-1.562e+05	1.614e+04	-293.32	5.154e+04	6.186e+04	-	
3.015e+06												
		-3.015e+06	-5.337e+04	0.06	0.0	196.4-1.557e+05	1.447e+04	-293.32	5.154e+04	4242.70	-	
8846.06												
5.337e+042.669e+06												
44	80	2.783e+06	5.695e+04	-0.26	-3343.55	0.0-1.565e+05	1.679e+04	-211.20	4.669e+04	5.695e+04	-	
3.157e+06												
		-3.157e+06	-2.602e+04	0.05	0.0	196.4-1.559e+05	1.512e+04	-211.20	4.669e+04	1.547e+04	-	
2.321e+04												
2.602e+042.783e+06												
44	81	2.039e+06	2.319e+04	-0.21	-3343.55	0.0-1.201e+05	1.287e+04	-105.80	2.546e+04	2.319e+04	-	
2.359e+06												
		-2.359e+06	-1.837e+04	0.03	0.0	196.4-1.195e+05	1.119e+04	-				
105.802.546e+04 2411.91 4355.44												
1.837e+042.039e+06												
44	82	2.417e+06	4.639e+04	-0.25	-3343.55	0.0-1.418e+05	1.483e+04	-218.31	4.111e+04	4.639e+04	-	
2.753e+06												
		-2.753e+06	-3.937e+04	0.05	0.0	196.4-1.412e+05	1.316e+04	-218.31	4.111e+04	3510.38	-	
3565.46												
3.937e+042.417e+06												
45	2	3.756e+06	8.449e+04	-0.38	-4679.26	0.0-3.257e+05	2.160e+04	-377.67	9.332e+04	8.449e+04	-	
3.809e+06												
		-3.809e+06	-6.388e+04	0.11	0.0	196.4-3.252e+05	1.926e+04	-				
377.679.332e+041.030e+04 2.036e+05												
6.388e+043.756e+06												
45	3	2.131e+06	6.432e+04	-0.19	-3466.12	0.0-1.600e+05	1.297e+04	-79.98	4.341e+04	6.432e+04	-	
2.285e+06												
		-2.285e+06	3.290e+04	0.04	0.0	196.4-1.597e+05	1.124e+04	-				
79.984.341e+044.861e+049.330e+04												
79.984.341e+043.290e+042.131e+06												
45	6	3.738e+06	9.968e+04	-0.36	-4679.26	0.0-3.032e+05	2.165e+04	-304.62	9.079e+04	9.968e+04	-	
3.849e+06												
		-3.849e+06	-1.999e+04	0.10	0.0	196.4-3.027e+05	1.931e+04	-				
304.629.079e+043.985e+04 1.745e+05												
1.999e+043.738e+06												
45	30	1.052e+06	3.282e+05	-0.14	-3466.12	0.0-1.273e+05	7296.07	-1605.48	2.142e+05	3.282e+05	-	
1.133e+06												
		-1.133e+06	-2.911e+05	0.19	0.0	196.4-1.270e+05	5563.01	-				
1605.482.142e+051.852e+041.295e+05												
2.911e+051.052e+06												
45	31	1.761e+06	2.176e+05	-0.20	-3466.12	0.0-1.691e+05	1.084e+04	1386.82	-1.726e+05	-3.158e+05	-	
1.816e+06												
		-1.816e+06	-3.158e+05	-0.13	0.0	196.4-1.688e+05	9104.71	1386.82	-1.726e+05	-	-	
4.909e+041.430e+05												
1.726e+052.176e+051.761e+06												
45	38	1.077e+06	2.980e+05	-0.14	-3466.12	0.0-1.268e+05	7440.17	-1739.34	2.116e+05	2.980e+05	-	
1.165e+06												
		-1.165e+06	-3.750e+05	0.19	0.0	196.4-1.265e+05	5707.11	-1739.34	2.116e+05	-	-	
3.849e+041.265e+05												
3.750e+051.077e+06												
45	39	1.736e+06	3.014e+05	-0.19	-3466.12	0.0-1.696e+05	1.069e+04	1520.68	-1.700e+05	-2.856e+05	-	
1.784e+06												
		-1.784e+06	-2.856e+05	-0.13	0.0	196.4-1.693e+05	8960.61	1520.68	-	-	-	
1.700e+057920.731.460e+05												
1.700e+053.014e+051.736e+06												
45	40	1.168e+06	2.853e+05	-0.14	-3466.12	0.0-1.285e+05	7936.50	-1656.33	2.079e+05	2.853e+05	-	
1.269e+06												
		-1.269e+06	-3.956e+05	0.19	0.0	196.4-1.282e+05	6203.44	-1656.33	2.079e+05	-	-	
5.514e+041.198e+05												
3.956e+051.168e+06												
45	62	1.160e+06	2.298e+05	-0.15	-3466.12	0.0-1.334e+05	7836.72	-1157.01	1.579e+05	2.298e+05	-	
1.238e+06												
		-1.238e+06	-2.173e+05	0.15	0.0	196.4-1.331e+05	6103.66	-				
1157.011.579e+05 6228.13 1.310e+05												
2.173e+051.160e+06												



45	63	1.653e+06	1.438e+05	-0.19	-3466.12	0.0	-1.630e+05	1.030e+04	938.35	-1.162e+05	-2.174e+05	-
1.711e+06		-1.711e+06	-2.174e+05	-0.08	0.0	196.4	-1.626e+05	8564.05	938.35	-1.162e+05		-
3.680e+04	1.415e+05					392.9	-1.623e+05	6830.99	938.35	-		
1.162e+05	1.438e+05	1.653e+06										
45	70	1.178e+06	2.063e+05	-0.15	-3466.12	0.0	-1.331e+05	7939.29	-1247.80	1.559e+05	2.063e+05	-
1.260e+06		-1.260e+06	-2.772e+05	0.15	0.0	196.4	-1.327e+05	6206.23	-1247.80	1.559e+05		-
3.542e+04	1.289e+05					392.9	-1.324e+05	4473.17	-1247.80	1.559e+05		-
2.772e+05	1.178e+06											
45	71	1.635e+06	2.037e+05	-0.19	-3466.12	0.0	-1.633e+05	1.019e+04	1029.14	-1.143e+05	-1.940e+05	-
1.689e+06		-1.689e+06	-1.940e+05	-0.08	0.0	196.4	-1.630e+05	8461.49	1029.14	-		
1.143e+05	4847.731	4.36e+05				392.9	-1.626e+05	6728.43	1029.14	-		
1.143e+05	2.037e+05	1.635e+06										
45	72	1.232e+06	1.987e+05	-0.15	-3466.12	0.0	-1.341e+05	8237.42	-1198.08	1.537e+05	1.987e+05	-
1.323e+06		-1.323e+06	-2.896e+05	0.15	0.0	196.4	-1.338e+05	6504.36	-1198.08	1.537e+05		-
4.542e+04	1.248e+05					392.9	-1.334e+05	4771.30	-1198.08	1.537e+05		-
2.896e+05	1.232e+06											
45	73	1.830e+06	4.380e+04	-0.18	-3466.12	0.0	-1.500e+05	1.139e+04	-72.95	3.338e+04	4.380e+04	-
1.963e+06		-1.963e+06	1.514e+04	0.03	0.0	196.4	-1.496e+05	9654.56	-			
72.953	3.38e+04	2.947e+04	1.041e+05			392.9	-1.493e+05	7921.51	-			
72.953	3.38e+04	1.514e+04	1.830e+06									
45	74	2.612e+06	5.676e+04	-0.26	-3466.12	0.0	-2.285e+05	1.515e+04	-256.22	6.321e+04	5.676e+04	-
2.658e+06		-2.658e+06	-4.390e+04	0.08	0.0	196.4	-2.281e+05	1.341e+04	-			
256.226	3.21e+04	6431.87	1.473e+05			392.9	-2.278e+05	1.168e+04	-256.22	6.321e+04		-
4.390e+04	2.612e+06											
45	76	2.597e+06	6.671e+04	-0.25	-3466.12	0.0	-2.134e+05	1.517e+04	-207.44	6.143e+04	6.671e+04	-
2.682e+06		-2.682e+06	-1.479e+04	0.07	0.0	196.4	-2.130e+05	1.344e+04	-			
207.446	1.43e+04	2.596e+04	1.280e+05			392.9	-2.127e+05	1.170e+04	-207.44	6.143e+04		-
1.479e+04	2.597e+06											
45	77	1.348e+06	1.337e+04	-0.15	-3466.12	0.0	-1.314e+05	8858.51	-59.31	1.761e+04	1.337e+04	-
1.452e+06		-1.452e+06	-9931.38	0.02	0.0	196.4	-1.311e+05	7125.45	-			
59.311	7.61e+04	1718.601	1.82e+05			392.9	-1.307e+05	5392.39	-59.31	1.761e+04		-
9931.381	3.48e+06											
45	78	1.739e+06	1.985e+04	-0.19	-3466.12	0.0	-1.707e+05	1.074e+04	-150.94	3.253e+04	1.985e+04	-
1.799e+06		-1.799e+06	-3.945e+04	0.04	0.0	196.4	-1.703e+05	9005.59	-150.94	3.253e+04	</	



-1.800e+06 5.194e+04			0.06	0.0	196.4-1.719e+05	9081.08	-			
195.217.918e+049.028e+04 1.570e+05										
					392.9-1.718e+05	7317.11	-			
195.217.918e+045.194e+04 1.768e+06										
46	6	2.719e+06 1.503e+05	-0.22	-4762.72	0.0-3.216e+05 1.594e+04	-324.27	1.178e+05	1.503e+05	-	
2.606e+06										
-2.606e+06 2.290e+04			0.09	0.0	196.4-3.214e+05 1.355e+04	-				
324.271.178e+058.660e+04 2.903e+05										
					392.9-3.213e+05 1.117e+04	-				
324.271.178e+052.290e+04 2.719e+06										
46	7	2.233e+06 1.740e+05	-0.17	-3527.94	0.0-1.879e+05 1.323e+04	-254.76	1.044e+05	1.740e+05	-	
2.272e+06										
-2.272e+06 7.392e+04			0.07	0.0	196.4-1.878e+05 1.147e+04	-				
254.761.044e+051.240e+05 1.536e+05										
					392.9-1.877e+05 9702.01	-				
254.761.044e+057.392e+04 2.233e+06										
46	19	8.050e+05 9.707e+04	-0.09	-3527.94	0.0-1.610e+05 5772.81	379.06	-2.924e+04	-2.084e+04	-	
7.700e+05										
-7.700e+05 -2.084e+04			-0.02	0.0	196.4-1.609e+05 4008.84	379.06	-			
2.924e+043.811e+041.908e+05										
					392.9-1.608e+05 2244.87	379.06	-			
2.924e+049.707e+048.050e+05										
46	30	2.622e+05 -8.311e+04	-0.04	-3527.94	0.0-1.300e+05 3052.80	-1118.73	1.151e+05	-8.311e+04	-	
2.566e+05										
-2.566e+05 -4.162e+05			0.10	0.0	196.4-1.299e+05 1288.82	-1118.73	1.151e+05	-		
2.497e+051.697e+05										
					392.9-1.298e+05 -475.15	-1118.73	1.151e+05	-		
4.162e+052.496e+05										
46	31	7.503e+05 3.634e+05	-0.08	-3527.94	0.0-1.741e+05 5392.41	1043.04	-9.846e+04	6.007e+04	-	
6.752e+05										
-6.752e+05 6.007e+04			-0.07	0.0	196.4-1.740e+05 3628.44	1043.04	-			
9.846e+042.117e+052.108e+05										
					392.9-1.739e+05 1864.47	1043.04	-			
9.846e+043.634e+057.503e+05										
46	38	3.052e+05 -1.639e+05	-0.04	-3527.94	0.0-1.298e+05 3333.05	-645.40	6.925e+04	-1.639e+05	-	
3.132e+05										
-3.132e+05 -3.663e+05			0.07	0.0	196.4-1.297e+05 1569.08	-645.40	6.925e+04	-		
2.651e+051.682e+05										
					392.9-1.296e+05 -194.89	-645.40	6.925e+04	-		
3.663e+053.031e+05										
46	39	6.968e+05 3.135e+05	-0.07	-3527.94	0.0-1.743e+05 5112.16	569.70	-5.265e+04	1.409e+05	-	
6.187e+05										
-6.187e+05 1.409e+05			-0.04	0.0	196.4-1.742e+05 3348.19	569.70	-			
5.265e+042.272e+052.123e+05										
					392.9-1.740e+05 1584.21	569.70	-			
5.265e+043.135e+056.968e+05										
46	51	6.884e+05 5.876e+04	-0.08	-3527.94	0.0-1.582e+05 5176.28	237.24	-1.761e+04	-1.729e+04	-	
6.522e+05										
-6.522e+05 -1.729e+04			-9.27e-03	0.0	196.4-1.580e+05 3412.31	237.24	-			
1.761e+042.074e+041.913e+05										
					392.9-1.579e+05 1648.34	237.24				



137.895.485e+042.995e+04 1.324e+06			392.9-1.589e+05	5033.63	-	
46 74 1.636e+06 6.387e+04	-0.14	-3527.94	0.0-2.397e+05	9788.52	-196.20 6.553e+04 6.387e+04	-
1.517e+06						
-1.517e+06-1.321e+04	0.06	0.0	196.4-2.396e+05	8024.55	-	
196.206.553e+042.533e+04 2.326e+05			392.9-2.394e+05	6260.58	-196.20 6.553e+04	-
1.321e+041.636e+06						
46 75 1.630e+06 1.140e+05	-0.13	-3527.94	0.0-1.696e+05	1.013e+04	-177.07 7.143e+04 1.140e+05	-
1.656e+06						
-1.656e+06 4.442e+04	0.05	0.0	196.4-1.694e+05	8366.62	-	
177.077.143e+047.920e+04 1.603e+05			392.9-1.693e+05	6602.65	-	
177.077.143e+044.442e+04 1.630e+06						
46 76 1.848e+06 9.980e+04	-0.15	-3527.94	0.0-2.259e+05	1.099e+04	-217.88 7.891e+04 9.980e+04	-
1.776e+06						
-1.776e+06 1.421e+04	0.06	0.0	196.4-2.258e+05	9225.48	-	
217.887.891e+045.701e+04 2.094e+05			392.9-2.257e+05	7461.51	-	
217.887.891e+041.421e+04 1.848e+06						
46 77 6.514e+05 1.844e+04	-0.06	-3527.94	0.0-1.362e+05	5109.73	-51.70 1.836e+04 1.844e+04	-
6.630e+05						
-6.630e+05 -1871.03	0.02	0.0	196.4-1.361e+05	3345.76	-	
51.701.836e+048284.361.674e+05			392.9-1.360e+05	1581.79	-51.70 1.836e+04	-
1871.036.514e+05						
46 78 8.069e+05 8312.32	-0.08	-3527.94	0.0-1.765e+05	5723.21	-80.85 2.371e+04 8312.32	-
7.485e+05						
-7.485e+05-2.345e+04	0.02	0.0	196.4-1.764e+05	3959.24	-80.85 2.371e+04	-
7569.342.025e+05			392.9-1.762e+05	2195.26	-80.85 2.371e+04	-
2.345e+048.069e+05						
46 79 1.324e+06 8.413e+04	-0.11	-3527.94	0.0-1.591e+05	8561.57	-137.89 5.485e+04 8.413e+04	-
1.346e+06						
-1.346e+06 2.995e+04	0.04	0.0	196.4-1.590e+05	6797.60	-	
137.895.485e+045.704e+04 1.625e+05			392.9-1.589e+05	5033.63	-	
137.895.485e+042.995e+04 1.324e+06						
46 80 1.418e+06 7.805e+04	-0.12	-3527.94	0.0-1.833e+05	8929.66	-155.38 5.805e+04 7.805e+04	-
1.397e+06						
-1.397e+06 1.701e+04	0.04	0.0	196.4-1.832e+05	7165.69	-	
155.385.805e+044.753e+04 1.835e+05			392.9-1.831e+05	5401.71	-	
155.385.805e+041.701e+04 1.418e+06						
46 81 6.514e+05 1.844e+04	-0.06	-3527.94	0.0-1.362e+05	5109.73	-51.70 1.836e+04 1.844e+04	-
6.630e+05						
-6.630e+05 -1871.03	0.02	0.0	196.4-1.361e+05	3345.76	-	
51.701.836e+048284.361.674e+05			392.9-1.360e+05	1581.79	-51.70 1.836e+04	-
1871.036.514e+05						
46 82 7.447e+05 1.236e+04	-0.07	-3527.94	0.0-1.604e+05	5477.82	-69.19 2.157e+04 1.236e+04	-
7.143e+05						
-7.143e+05-1.482e+04	0.02	0.0	196.4-1.603e+05	3713.85	-69.19 2.157e+04	-
1227.861.885e+05			392.9-1.601e+05	1949.87	-69.19 2.157e+04	-
1.482e+047.447e+05						
47 2 1.148e+06 1.653e+05	-0.02	-4762.72	0.0-3.536e+05	7424.36	-639.97 1.018e+05 1.653e+05	-
8.334e+05						
-8.334e+05-8.611e+04	0.06	0.0	196.4-3.537e+05	5043.00	-	
639.971.018e+053.960e+04 3.911e+05			392.9-3.539e+05	2661.64	-639.97 1.018e+05	-
8.611e+041.148e+06						
47 3 1.577e+06 2.290e+05	-0.07	-3527.94	0.0-1.838e+05	9546.87	-698.64 1.152e+05 2.290e+05	-
1.481e+06						
-1.481e+06-4.543e+04	0.08	0.0	196.4-1.839e+05	7782.89	-	
698.641.152e+059.180e+04 2.215e+05			392.9-1.840e+05	6018.92	-698.64 1.152e+05	-
4.543e+041.577e+06						
47 6 1.904e+06 2.639e+05	-0.06	-4762.72	0.0-3.373e+05	1.134e+04	-892.99 1.453e+05 2.639e+05	-
1.617e+06						
-1.617e+06-8.695e+04	0.09	0.0	196.4-3.374e+05	8961.42	-	
892.991.453e+058.846e+04 3.774e+05			392.9-3.376e+05	6580.06	-892.99 1.453e+05	-
8.695e+041.904e+06						
47 7 2.251e+06 3.097e+05	-0.11	-3527.94	0.0-2.037e+05	1.288e+04	-933.29 1.550e+05 3.097e+05	-
2.118e+06						
-2.118e+06-5.698e+04	0.11	0.0	196.4-2.038e+05	1.112e+04	-	
933.291.550e+051.263e+05 2.398e+05			392.9-2.039e+05	9354.91	-933.29 1.550e+05	-
5.698e+042.251e+06						



[illegible]



-1.042e+06-5.892e+04	0.06	0.0	196.4-2.365e+05	5784.79	-		
596.019.671e+045.816e+04 2.675e+05							
			392.9-2.366e+05	4020.81	-596.01	9.671e+04	-
5.892e+041.231e+06							
47 77 1.850e+05 3.336e+04	0.03	-3527.94	0.0-1.381e+05	1431.62	-		
130.561.869e+043.336e+04 7.150e+04							
-5.907e+04-1.793e+04	0.01	0.0	196.4-1.382e+05	-332.36	-		
130.561.869e+04 7715.32 1.795e+05							
			392.9-1.384e+05	-2096.33	-130.56	1.869e+04-1.793e+04	-
5.907e+04							
47 79 9.158e+05 1.501e+05	-0.03	-3527.94	0.0-1.669e+05	6260.02	-470.20	7.632e+04 1.501e+05	-
8.505e+05							
-8.505e+05-3.465e+04	0.05	0.0	196.4-1.670e+05	4496.05	-		
470.207.632e+045.771e+04 2.059e+05							
			392.9-1.672e+05	2732.08	-470.20	7.632e+04	-
3.465e+049.158e+05							
47 80 8.608e+05 1.381e+05	-0.02	-3527.94	0.0-1.911e+05	5871.74	-457.96	7.383e+04 1.381e+05	-
7.530e+05							
-7.530e+05-4.179e+04	0.05	0.0	196.4-1.912e+05	4107.77	-		
457.967.383e+044.816e+04 2.272e+05							
			392.9-1.913e+05	2343.80	-457.96	7.383e+04	-
4.179e+048.608e+05							
47 81 1.850e+05 3.336e+04	0.03	-3527.94	0.0-1.381e+05	1431.62	-		
130.561.869e+043.336e+04 7.150e+04							
-5.907e+04-1.793e+04	0.01	0.0	196.4-1.382e+05	-332.36	-		
130.561.869e+04 7715.32 1.795e+05							
			392.9-1.384e+05	-2096.33	-130.56	1.869e+04-1.793e+04	-
5.907e+04							
47 82 2.294e+05 2.141e+04	0.04	-3527.94	0.0-1.623e+05	1043.33	-		
118.321.621e+042.141e+04 1.690e+05							
-1.141e+05-2.507e+04	6.26e-03	0.0	196.4-1.624e+05	-720.64	-118.32	1.621e+04	-
1831.332.007e+05							
			392.9-1.625e+05	-2484.61	-118.32	1.621e+04-2.507e+04	-
1.141e+05							
48 2 6.823e+05 1.851e+05	0.23	-4679.26	0.0-3.629e+05	-330.86	-1698.45	-	
1.019e+041.851e+056.823e+05							
-3.668e+05-4.822e+05	7.09e-03	0.0	196.4-3.634e+05	-2670.49	-1698.45	-1.019e+04	-
1.485e+053.875e+05							
			392.9-3.638e+05	-5010.12	-1698.45	-1.019e+04-4.822e+05	-
3.668e+05							
48 3 1.224e+06 2.805e+05	0.04	-3466.12	0.0-1.977e+05	7370.00	-1933.66	4.364e+04 2.805e+05	-
9.903e+05							
-9.903e+05-4.791e+05	0.07	0.0	196.4-1.981e+05	5636.94	-1933.66	4.364e+04	-
9.932e+042.872e+05							
			392.9-1.984e+05	3903.88	-1933.66	4.364e+04	-
4.791e+051.224e+06							
48 5 1.579e+06 3.736e+05	0.06	-4679.26	0.0-2.713e+05	9571.43	-2587.43	5.694e+04 3.736e+05	-
1.262e+06							
-1.262e+06-6.429e+05	0.09	0.0	196.4-2.717e+05	7231.80	-2587.43	5.694e+04	-
1.346e+053.884e+05							
			392.9-2.722e+05	4892.17	-2587.43	5.694e+04	-
6.429e+051.579e+06							
48 7 2.071e+06 3.818e+05	-0.02	-3466.12	0.0-2.236e+05 1.138e+04	-2594.34	6.308e+04 3.818e+05		-
1.720e+06							
-1.720e+06-6.374e+05	0.10	0.0	196.4-2.240e+05	9650.64	-2594.34	6.308e+04	-
1.278e+053.456e+05							
			392.9-2.243e+05	7917.58	-2594.34	6.308e+04	-
6.374e+052.071e+06							
48 29 1.697e+06 3.111e+05	0.20	-3466.12	0.0-1.701e+05	-7092.73	-		
1575.901.671e+053.111e+051.697e+06							
-1.771e+06-3.172e+05	0.13	0.0	196.4-1.704e+05	-8825.79	-1575.90	1.671e+05	-
3052.161.331e+05							
			392.9-1.708e+05-1.056e+04	-1575.90	1.671e+05-3.172e+05		-
1.771e+06							
48 32 1.161e+06 2.918e+05	0.14	-3466.12	0.0-1.248e+05	-4421.74	1696.48-2.148e+05		-
3.839e+051.161e+06							
-1.257e+06-3.839e+05	-0.19	0.0	196.4-1.251e+05	-6154.80	1696.48-2.148e+05		-
4.603e+041.223e+05							
			392.9-1.255e+05	-7887.86	1696.48-2.148e+05 2.918e+05		-
1.257e+06							
48 37 1.721e+06 2.278e+05	0.20	-3466.12	0.0-1.696e+05	-7233.32	-		
1441.861.692e+052.278e+051.721e+06							
-1.801e+06-3.473e+05	0.13	0.0	196.4-1.699e+05	-8966.38	-1441.86	1.692e+05	-
5.974e+041.303e+05							
			392.9-1.703e+05-1.070e+04	-1441.86	1.692e+05-3.473e+05		-
1.801e+06							
48 40 1.136e+06 3.219e+05	0.14	-3466.12	0.0-1.253e+05	-4281.16	1562.44-2.169e+05		-
3.006e+051.136e+06							
-1.226e+06-3.006e+05	-0.19	0.0	196.4-1.257e+05	-6014.22	1562.44	-	
2.169e+051.065e+041.251e+05							



[illegible]



49	2	3.824e+06 -2.757e+05	0.54	-4513.79	0.0	-3.599e+05 -1.753e+04	-354.07 -1.506e+05	-
2.757e+05	3.824e+06							
		-3.950e+06 -4.148e+05	-0.17	0.0	196.4	-3.607e+05 -1.979e+04	-354.07 -1.506e+05	-
3.452e+05	1.590e+05							
					392.9	-3.615e+05 -2.205e+04	-354.07 -1.506e+05 -4.148e+05	-
3.950e+06								
49	3	1.346e+06 -1.380e+05	0.28	-3343.55	0.0	-2.082e+05 -5114.50	-1072.79 -6.391e+04	-
1.380e+05	1.346e+06							
		-1.320e+06 -5.595e+05	-0.06	0.0	196.4	-2.088e+05 -6786.27	-1072.79 -6.391e+04	-
3.487e+05	1.769e+05							
					392.9	-2.094e+05 -8458.05	-1072.79 -6.391e+04 -5.595e+05	-
1.320e+06								
49	6	3.153e+06 -2.731e+05	0.52	-4513.79	0.0	-3.604e+05 -1.382e+04	-968.53 -1.417e+05	-
2.731e+05	1.53e+06							
		-3.161e+06 -6.536e+05	-0.15	0.0	196.4	-3.612e+05 -1.607e+04	-968.53 -1.417e+05	-
4.634e+05	2.181e+05							
					392.9	-3.619e+05 -1.833e+04	-968.53 -1.417e+05 -6.536e+05	-
3.161e+06								
49	7	1.213e+06 -1.715e+05	0.31	-3343.55	0.0	-2.411e+05 -4176.85	-1494.46 -7.805e+04	-
1.715e+05	1.213e+06							
		-1.085e+06 -7.586e+05	-0.07	0.0	196.4	-2.417e+05 -5848.62	-1494.46 -7.805e+04	-
4.651e+05	2.282e+05							
					392.9	-2.422e+05 -7520.40	-1494.46 -7.805e+04 -7.586e+05	-
1.085e+06								
49	29	2.426e+06 5.859e+04	0.27	-3343.55	0.0	-1.565e+05 -1.145e+04	-	
1140.80	1.597e+05	5.859e+04 4.426e+06						
		-2.730e+06 -4.206e+05	0.11	0.0	196.4	-1.571e+05 -1.312e+04	-1140.80 1.597e+05	-
1.810e+05	1.182e+04							
					392.9	-1.577e+05 -1.480e+04	-1140.80 1.597e+05 -4.206e+05	-
2.730e+06								
49	32	1.840e+06 5.313e+05	0.20	-3343.55	0.0	-1.139e+05 -8387.55	1753.72 -2.370e+05	-
1.887e+05	1.840e+06							
		-2.112e+06 -1.887e+05	-0.21	0.0	196.4	-1.145e+05 -1.006e+04	1753.72	-
2.370e+05	1.713e+05	2.784e+04						
					392.9	-1.151e+05 -1.173e+04	1753.72 -2.370e+05 5.313e+05	-
2.112e+06								
49	37	2.423e+06 2.775e+04	0.26	-3343.55	0.0	-1.558e+05 -1.145e+04	-	
891.41	1.366e+05	2.775e+04 2.423e+06						
		-2.731e+06 -3.693e+05	0.09	0.0	196.4	-1.564e+05 -1.312e+04	-891.41 1.366e+05	-
1.708e+05	1.031e+04							
					392.9	-1.569e+05 -1.479e+04	-891.41 1.366e+05 -3.693e+05	-
2.731e+06								
49	61	2.337e+06 1.644e+04	0.26	-3343.55	0.0	-1.502e+05 -1.099e+04	-	
715.55	1.025e+05	1.644e+04 2.337e+06						
		-2.636e+06 -2.820e+05	0.07	0.0	196.4	-1.507e+05 -1.266e+04	-715.55 1.025e+05	-
1.328e+05	1.447e+04							
					392.9	-1.513e+05 -1.433e+04	-715.55 1.025e+05 -2.820e+05	-
2.636e+06								
49	64	1.928e+06 3.927e+05	0.21	-3343.55	0.0	-1.203e+05 -8853.53	1328.47 -1.797e+05	-
1.465e+05	1.928e+06							
		-2.206e+06 -1.465e+05	-0.16	0.0	196.4	-1.208e+05 -1.053e+04	1328.47	-
1.797e+05	1.231e+05	2.519e+04						
					392.9	-1.214e+05 -1.220e+04	1328.47 -1.797e+05 3.927e+05	-
2.206e+06								
49	69	2.335e+06 -6946.33	0.26	-3343.55	0.0	-1.497e+05 -1.098e+04	-536.97 8.596e+04	-
6946.33	2.335e+06							
		-2.637e+06 -2.456e+05	0.05	0.0	196.4	-1.502e+05 -1.266e+04	-536.97 8.596e+04	-
1.263e+05	1.339e+04							
					392.9	-1.508e+05 -1.433e+04	-536.97 8.596e+04 -2.456e+05	-
2.637e+06								
49	73	1.512e+06 -1.072e+05	0.26	-3343.55	0.0	-1.785e+05 -6216.84	-654.31 -5.123e+04	-
1.072e+05	1.512e+06							
		-1.587e+06 -3.642e+05	-0.05	0.0	196.4	-1.791e+05 -7888.61	-654.31 -5.123e+04	-
2.357e+05	1.263e+05							
					392.9	-1.796e+05 -9560.39	-654.31 -5.123e+04 -3.642e+05	-
1.587e+06								
49	74	2.707e+06 -1.873e+05	0.38	-3343.55	0.0	-2.505e+05 -1.239e+04	-225.90 -1.023e+05	-
1.873e+05	2.707e+06							
		-2.817e+06 -2.760e+05	-0.11	0.0	196.4	-2.510e+05 -1.406e+04	-225.90 -1.023e+05	-
2.316e+05	1.092e+05							
					392.9	-2.516e+05 -1.574e+04	-225.90 -1.023e+05 -2.760e+05	-
2.817e+06								
49	75	1.424e+06 -1.292e+05	0.28	-3343.55	0.0	-2.001e+05 -5599.97	-931.73 -6.054e+04	-
1.292e+05	1.424e+06							
		-1.432e+06 -4.952e+05	-0.06	0.0	196.4	-2.007e+05 -7271.74	-931.73 -6.054e+04	-
3.122e+05	1.601e+05							
					392.9	-2.013e+05 -8943.52	-931.73 -6.054e+04 -4.952e+05	-
1.432e+06								
49	76	2.261e+06 -1.853e+05	0.36	-3343.55	0.0	-2.505e+05 -9922.29	-631.84 -9.627e+04	-
1.853e+05	2.261e+06							



-2.293e+06-4.335e+05	-0.10	0.0	196.4-2.511e+05-1.159e+04	-631.84-9.627e+04	-
3.094e+051.481e+05					
			392.9-2.516e+05-1.327e+04	-631.84-9.627e+04-4.335e+05	-
2.293e+06					
49 77 1.704e+06-5.864e+04	0.21	-3343.55	0.0-1.309e+05 -7573.96	-43.99-3.076e+04	-
5.864e+041.704e+06					
-1.928e+06-7.593e+04	-0.04	0.0	196.4-1.315e+05 -9245.73	-43.99-3.076e+04	-
6.729e+045.200e+04					
			392.9-1.321e+05-1.092e+04	-43.99-3.076e+04-7.593e+04	-
1.928e+06					
49 78 2.302e+06-3.183e+04	0.27	-3343.55	0.0-1.669e+05-1.066e+04	170.21-5.628e+04	-
9.870e+042.302e+06					
-2.543e+06-9.870e+04	-0.07	0.0	196.4-1.675e+05-1.233e+04	170.21-5.628e+04	-
6.527e+044.343e+04					
			392.9-1.681e+05-1.400e+04	170.21-5.628e+04-3.183e+04	-
2.543e+06					
49 79 1.512e+06-1.072e+05	0.26	-3343.55	0.0-1.785e+05 -6216.84	-654.31-5.123e+04	-
1.072e+051.512e+06					
-1.587e+06-3.642e+05	-0.05	0.0	196.4-1.791e+05 -7888.61	-654.31-5.123e+04	-
2.357e+051.263e+05					
			392.9-1.796e+05 -9560.39	-654.31-5.123e+04-3.642e+05	-
1.587e+06					
49 80 1.870e+06-1.312e+05	0.29	-3343.55	0.0-2.001e+05 -8069.26	-525.79-6.655e+04	-
1.312e+051.870e+06					
-1.956e+06-3.377e+05	-0.07	0.0	196.4-2.007e+05 -9741.04	-525.79-6.655e+04	-
2.345e+051.212e+05					
			392.9-2.012e+05-1.141e+04	-525.79-6.655e+04-3.377e+05	-
1.956e+06					
49 81 1.704e+06-5.864e+04	0.21	-3343.55	0.0-1.309e+05 -7573.96	-43.99-3.076e+04	-
5.864e+041.704e+06					
-1.928e+06-7.593e+04	-0.04	0.0	196.4-1.315e+05 -9245.73	-43.99-3.076e+04	-
6.729e+045.200e+04					
			392.9-1.321e+05-1.092e+04	-43.99-3.076e+04-7.593e+04	-
1.928e+06					
49 82 2.063e+06-4.947e+04	0.25	-3343.55	0.0-1.525e+05 -9426.38	84.53-4.607e+04	-
8.268e+042.063e+06					
-2.297e+06-8.268e+04	-0.05	0.0	196.4-1.531e+05-1.110e+04	84.53-4.607e+04	-
6.607e+044.686e+04					
			392.9-1.537e+05-1.277e+04	84.53-4.607e+04-4.947e+04	-
2.297e+06					
50 3 4.889e+06 1.019e+06	0.49	-3162.39	0.0-1.781e+05-2.622e+04	5045.04-2.357e+05	-
9.634e+054.889e+06					
-6.032e+06-9.634e+05	-0.22	0.0	196.4-1.789e+05-2.780e+04	5045.04-2.357e+05 2.758e+04	-
4.165e+05					
			392.9-1.796e+05-2.938e+04	5045.04-2.357e+05 1.019e+06	-
6.032e+06					
50 6 8.310e+06 1.632e+06	0.80	-4269.22	0.0-3.002e+05-4.496e+04	7704.82-4.026e+05	-
1.395e+068.310e+06					
-1.019e+07-1.395e+06	-0.37	0.0	196.4-3.013e+05-4.710e+04	7704.82-4.026e+05 1.184e+05	-
7.315e+05					
			392.9-3.024e+05-4.923e+04	7704.82-4.026e+05 1.632e+06	-
1.019e+07					
50 29 3.195e+06-1.441e+05	0.26	-3162.39	0.0-1.200e+05-1.696e+04	75.96 6.715e+04	-
2.131e+053.195e+06					
-4.090e+06-2.131e+05	0.03	0.0	196.4-1.208e+05-1.854e+04	75.96 6.715e+04-1.786e+05	-
2.921e+05					
			392.9-1.216e+05-2.012e+04	75.96 6.715e+04-1.441e+05	-
4.090e+06					
50 30 2.484e+06 5.182e+05	0.20	-3162.39	0.0-8.741e+04-1.283e+04	1321.19 -	
2.036e+053.791e+042.484e+06					
-3.177e+06 3.791e+04	-0.13	0.0	196.4-8.820e+04-1.441e+04	1321.19-2.036e+05 2.780e+05	-
1.914e+05					
			392.9-8.899e+04-1.599e+04	1321.19-2.036e+05 5.182e+05	-
3.177e+06					
50 32 2.419e+06 5.101e+05	0.20	-3162.39	0.0-8.467e+04-1.245e+04	1277.83 -	
2.005e+054.734e+042.419e+06					
-3.094e+06 4.734e+04	-0.13	0.0	196.4-8.546e+04-1.403e+04	1277.83-2.005e+05 2.787e+05	-
1.820e+05					
			392.9-8.625e+04-1.561e+04	1277.83-2.005e+05 5.101e+05	-
3.094e+06					
50 61 3.079e+06-4.903e+04	0.25	-3162.39	0.0-1.147e+05-1.629e+04	261.89 2.823e+04	-
1.725e+053.079e+06					
-3.940e+06-1.725e+05	0.01	0.0	196.4-1.155e+05-1.787e+04	261.89 2.823e+04-1.107e+05	-
2.756e+05					
			392.9-1.163e+05-1.945e+04	261.89 2.823e+04-4.903e+04	-
3.940e+06					
50 62 2.573e+06 4.200e+05	0.21	-3162.39	0.0-9.153e+04-1.335e+04	1117.94 -	
1.634e+051037.392.573e+06					
-3.291e+06 1037.39	-0.11	0.0	196.4-9.232e+04-1.493e+04	1117.94-1.634e+05 2.105e+05	-
2.039e+05					



3.291e+06						392.9	-9.311e+04	-1.651e+04	1117.94	-1.634e+05	4.200e+05	-
50	64	2.536e+06	4.151e+05	0.21	-3162.39	0.0	-8.995e+04	-1.313e+04	1091.90	-		
1.616e+05	6691.09	0.92	5.36e+06									
		-3.243e+06		-0.11	0.0	196.4	-9.074e+04	-1.471e+04	1091.90	-1.616e+05	2.109e+05	-
1.985e+05												
						392.9	-9.153e+04	-1.629e+04	1091.90	-1.616e+05	4.151e+05	-
3.243e+06												
50	73	4.079e+06	7.224e+05	0.40	-3162.39	0.0	-1.488e+05	-2.173e+04	3531.88	-1.734e+05		-
6.651e+05	4.079e+06											
		-5.080e+06	-6.651e+05	-0.16	0.0	196.4	-1.496e+05	-2.331e+04	3531.88	-1.734e+05	2.863e+04	-
3.453e+05												
						392.9	-1.504e+05	-2.490e+04	3531.88	-1.734e+05	7.224e+05	-
5.080e+06												
50	76	5.750e+06	1.096e+06	0.55	-3162.39	0.0	-2.079e+05	-3.105e+04	5167.65	-2.718e+05		-
9.341e+05	5.750e+06											
		-7.069e+06	-9.341e+05	-0.25	0.0	196.4	-2.087e+05	-3.263e+04	5167.65	-2.718e+05	8.095e+04	-
5.043e+05												
						392.9	-2.095e+05	-3.421e+04	5167.65	-2.718e+05	1.096e+06	-
7.069e+06												
50	77	2.803e+06	2.736e+05	0.25	-3162.39	0.0	-1.027e+05	-1.466e+04	1250.10	-7.786e+04		-
2.176e+05	2.803e+06											
		-3.578e+06	-2.176e+05	-0.07	0.0	196.4	-1.035e+05	-1.624e+04	1250.10	-7.786e+04	2.800e+04	-
2.321e+05												
						392.9	-1.043e+05	-1.783e+04	1250.10	-7.786e+04	2.736e+05	-
3.578e+06												
50	80	4.546e+06	7.951e+05	0.44	-3162.39	0.0	-1.651e+05	-2.435e+04	3788.42	-1.969e+05		-
6.932e+05	4.546e+06											
		-5.640e+06	-6.932e+05	-0.18	0.0	196.4	-1.659e+05	-2.593e+04	3788.42	-1.969e+05	5.093e+04	-
3.914e+05												
						392.9	-1.667e+05	-2.751e+04	3788.42	-1.969e+05	7.951e+05	-
5.640e+06												
50	81	2.803e+06	2.736e+05	0.25	-3162.39	0.0	-1.027e+05	-1.466e+04	1250.10	-7.786e+04		-
2.176e+05	2.803e+06											
		-3.578e+06	-2.176e+05	-0.07	0.0	196.4	-1.035e+05	-1.624e+04	1250.10	-7.786e+04	2.800e+04	-
2.321e+05												
						392.9	-1.043e+05	-1.783e+04	1250.10	-7.786e+04	2.736e+05	-
3.578e+06												
50	82	3.271e+06	3.462e+05	0.29	-3162.39</							



51	58	7778.84	1.916e+05	-5.53e-05	-860.58	0.0	177.17	385.04	-2404.52	-1.849e+05	1.916e+05	-
3241.60		-9032.91	-1.162e+05	-2.05e-03	0.0	64.0	177.17	-45.25	-2404.52	-		
1.849e+05	53.769e+04	7632.03										
						128.0	177.17	-475.54	-2404.52	-1.849e+05	-1.162e+05	-
9032.91												
51	60	6063.99	1.883e+05	-5.14e-05	-860.58	0.0	85.82	436.54	-2362.32	-1.814e+05	1.883e+05	-
8105.69		-8105.69	-1.142e+05	-2.02e-03	0.0	64.0	85.82	6.25	-2362.32	-		
1.814e+05	53.705e+04	6063.99										
						128.0	85.82	-424.04	-2362.32	-1.814e+05	-1.142e+05	-
7304.90												
51	73	7.975e+05	2.587e+05	-7.56e-04	-841.90	0.0	1.528e+04	-8080.57	-3357.17	-		
3.677e+05	2.587e+05	57.975e+05										
		-2.907e+05	-1.710e+05	-2.55e-03	0.0	64.0	1.528e+04	-8501.52	-3357.17	-		
3.677e+05	4.382e+04	2.668e+05										
						128.0	1.528e+04	-8922.47	-3357.17	-3.677e+05	-1.710e+05	-
2.907e+05												
51	76	1.128e+06	3.864e+05	-1.05e-03	-885.49	0.0	2.157e+04	-1.154e+04	-5017.65	-		
5.426e+05	3.864e+05	51.128e+06										
		-4.058e+05	-2.558e+05	-3.80e-03	0.0	64.0	2.157e+04	-1.198e+04	-5017.65	-		
5.426e+05	5.529e+04	3.751e+05										
						128.0	2.157e+04	-1.242e+04	-5017.65	-5.426e+05	-2.558e+05	-
4.058e+05												
51	77	3.003e+05	1.565e+05	-3.17e-04	-841.90	0.0	5857.21	-2840.25	-2024.24	-		
2.025e+05	1.565e+05	53.003e+05										
		-1.171e+05	-1.026e+05	-1.55e-03	0.0	64.0	5857.21	-3261.20	-2024.24	-		
2.025e+05	2.696e+04	1.051e+05										
						128.0	5857.21	-3682.15	-2024.24	-2.025e+05	-1.026e+05	-
1.171e+05												
51	80	8.421e+05	2.935e+05	-7.97e-04	-860.58	0.0	1.614e+04	-8541.10	-3809.14	-		
4.105e+05	2.935e+05	58.421e+05										
		-3.062e+05	-1.940e+05	-2.89e-03	0.0	64.0	1.614e+04	-8971.39	-3809.14	-		
4.105e+05	4.974e+04	2.817e+05										
						128.0	1.614e+04	-9401.68	-3809.14	-4.105e+05	-1.940e+05	-
3.062e+05												
51	81	3.003e+05	1.565e+05	-3.17e-04	-841.90	0.0	5857.21	-2840.25	-2024.24	-		
2.025e+05	1.565e+05	53.003e+05										
		-1.171e+05	-1.026e+05	-1.55e-03	0.0	64.0	5857.21	-3261.20	-2024.24	-		
2.025e+05	2.696e+04	1.051e+05										
						128.0	5857.21	-3682.15	-2024.24	-2.025e+05	-1.026e+05	-
1.171e+05												
51	82	3.449e+05	1.914e+05	-3.58e-04	-860.58	0.0						



1.197e+04	-8.039e+05	-6.842e+04	-2.29e-03	0.0	64.0	-2094.18	1.207e+04	-1473.87	-8.445e+04	2.590e+04	-	
6.842e+047.393e+05					128.0	-2094.18	1.144e+04	-1473.87	-8.445e+04		-	
52	58	7.744e+05	1.145e+05	-0.01	-1271.80	0.0	-142.38	1.215e+04	-1424.00	-8.992e+04	1.145e+05	-
7.001e+05	-7.001e+05	-6.774e+04	-1.99e-03	0.0	64.0	-142.38	1.151e+04	-1424.00		-		-
8.992e+042.339e+045.753e+04					128.0	-142.38	1.088e+04	-1424.00	-8.992e+04		-	-
6.774e+047.744e+05					128.0	-142.38	1.088e+04	-1424.00	-8.992e+04		-	-
52	61	9.066e+05	7.911e+04	-0.03	-1271.80	0.0	8526.64	8910.53	-1084.65	-1.089e+05	7.911e+04	-
1.539e+05	-1.539e+05	-5.973e+04	-7.57e-04	0.0	64.0	8526.64	8274.63	-1084.65		-		-
1.089e+059688.563.967e+05					128.0	8526.64	7638.73	-1084.65	-1.089e+05		-	-
5.973e+049.066e+05					128.0	8526.64	7638.73	-1084.65	-1.089e+05		-	-
52	62	7.746e+05	1.146e+05	-0.01	-1271.80	0.0	-137.65	1.214e+04	-1424.21	-8.978e+04	1.146e+05	-
6.984e+05	-6.984e+05	-6.772e+04	-1.99e-03	0.0	64.0	-137.65	1.150e+04	-1424.21		-		-
8.978e+042.343e+045.842e+04					128.0	-137.65	1.086e+04	-1424.21	-8.978e+04		-	-
6.772e+047.746e+05					128.0	-137.65	1.086e+04	-1424.21	-8.978e+04		-	-
52	64	7.694e+05	1.134e+05	-0.01	-1271.80	0.0	-250.68	1.206e+04	-1410.09	-8.871e+04	1.134e+05	-
6.920e+05	-6.920e+05	-6.705e+04	-1.97e-03	0.0	64.0	-250.68	1.143e+04	-1410.09		-		-
8.871e+042.320e+045.903e+04					128.0	-250.68	1.079e+04	-1410.09	-8.871e+04		-	-
6.705e+047.694e+05					128.0	-250.68	1.079e+04	-1410.09	-8.871e+04		-	-
52	73	4.269e+06	2.393e+05	-0.13	-1043.13	0.0	2.301e+04	5.909e+04	-3064.89	-2.069e+05	2.393e+05	-
3.227e+06	-3.227e+06	-1.530e+05	-2.74e-03	0.0	64.0	2.301e+04	5.857e+04	-3064.89		-		-
2.069e+054.319e+045.376e+05					128.0	2.301e+04	5.805e+04	-3064.89	-2.069e+05		-	-
1.530e+054.269e+06					128.0	2.301e+04	5.805e+04	-3064.89	-2.069e+05		-	-
52	76	6.182e+06	3.429e+05	-0.18	-1576.68	0.0	3.402e+04	8.498e+04	-4392.82	-2.941e+05	3.429e+05	-
4.594e+06	-4.594e+06	-2.194e+05	-3.86e-03	0.0	64.0	3.402e+04	8.419e+04	-4392.82		-		-
2.941e+056.175e+048.195e+05					128.0	3.402e+04	8.340e+04	-4392.82	-2.941e+05		-	-
2.194e+056.182e+06					128.0	3.402e+04	8.340e+04	-4392.82	-2.941e+05		-	-
52	77	1.541e+06	1.191e+05	-0.05	-1043.13	0.0	7871.09	2.078e+04	-1533.47	-1.135e+05	1.191e+05	-
1.052e+06	-1.052e+06	-7.722e+04	-1.52e-03	0.0	64.0	7871.09	2.026e+04	-1533.47		-		-
1.135e+052.092e+042.613e+05					128.0	7871.09	1.974e+04	-1533.47	-1.135e+05		-	-
7.722e+041.541e+06					128.0	7871.09	1.974e+04	-1533.47	-1.135e+05		-	-
52	80	4.558e+06	2.603e+05	-0.13	-1271.80	0.0	2.478e+04	6.272e+04	-3335.67	-2.261e+05	2.603e+05	-
3.389e+06												



						128.0	3.889e+04	6.218e+04	3651.53	3.206e+05	1.786e+05	5.0		
80e+06	53	25	1.187e+06	5602.09	-0.06	-1263.15	0.0	1.743e+04	9424.52	-214.10	-			
7.703e+04	5602.096	0.95e+04	6.095e+04	-2.182e+04	2.81e-04	0.0	64.0	1.743e+04	8792.95	-214.10	-7.703e+04	-		
8109.926	443e+05						128.0	1.743e+04	8161.38	-214.10	-7.703e+04	-		
2.182e+04	1.187e+06	53	26	8.865e+05	7.132e+04	-1.12e-03	-1263.15	0.0	-2684.14	1.628e+04	-803.42	-5.025e+04	7.132e+04	-
1.117e+06				-1.117e+06	-3.155e+04	-3.37e-03	0.0	64.0	-2684.14	1.565e+04	-803.42	-5.025e+04	1.988e+04	-
9.515e+04							128.0	-2684.14	1.502e+04	-803.42	-5.025e+04	-	-	
3.155e+04	8.865e+05	53	28	8.814e+05	6.977e+04	-5.27e-04	-1263.15	0.0	-2918.82	1.611e+04	-784.07	-4.785e+04	6.977e+04	-
1.099e+06				-1.099e+06	-3.057e+04	-3.29e-03	0.0	64.0	-2918.82	1.548e+04	-784.07	-4.785e+04	1.960e+04	-
8.866e+04							128.0	-2918.82	1.485e+04	-784.07	-4.785e+04	-	-	
3.057e+04	8.814e+05	53	29	1.189e+06	5439.86	-0.06	-1263.15	0.0	1.741e+04	9367.55	-212.05	-		
7.671e+04	5439.866	5.66e+04	6.566e+04	-2.171e+04	2.86e-04	0.0	64.0	1.741e+04	8735.97	-212.05	-7.671e+04	-	-	
8136.496	477e+05						128.0	1.741e+04	8104.40	-212.05	-7.671e+04	-	-	
2.171e+04	1.189e+06	53	57	1.143e+06	1.479e+04	-0.05	-1263.15	0.0	1.447e+04	1.038e+04	-295.42	-7.269e+04	1.479e+04	-
1.060e+05				-1.060e+05	-2.304e+04	-5.84e-04	0.0	64.0	1.447e+04	9750.52	-295.42	-7.269e+04	-	-
4124.925	385e+05						128.0	1.447e+04	9118.95	-295.42	-7.269e+04	-	-	
2.304e+04	1.143e+06	53	58	9.292e+05	6.151e+04	-9.51e-03	-1263.15	0.0	175.92	1.526e+04	-714.36	-5.362e+04	6.151e+04	-
9.430e+05				-9.430e+05	-2.994e+04	-2.89e-03	0.0	64.0	175.92	1.462e+04	-714.36	-	-	
5.362e+04	1.578e+04	1.332e+04					128.0	175.92	1.399e+04	-714.36	-5.362e+04	-	-	
2.994e+04	9.292e+05	53	60	9.261e+05	6.058e+04	-9.11e-03	-1263.15	0.0	35.86	1.515e+04	-702.75	-5.219e+04	6.058e+04	-
9.321e+05				-9.321e+05	-2.936e+04	-2.84e-03	0.0	64.0	35.86	1.452e+04	-702.75	-	-	
5.219e+04	1.561e+04	1.719e+04					128.0	35.86	1.389e+04	-702.75	-5.219e+04	-	-	
2.936e+04	9.261e+05	53	61	1.144e+06	1.469e+04	-0.05	-1263.15	0.0	1.446e+04	1.035e+04	-294.14	-7.250e+04	1.469e+04	-
1.032e+05				-1.032e+05	-2.297e+04	-5.80e-04	0.0	64.0	1.446e+04	9716.45	-294.14	-7.250e+04	-	-
4142.495	405e+05						128.0	1.446e+04	9084.88	-294.14	-7.250e+04	-	-	
2.297e+04	1.144e+06	53	73	2.897e+06	7.831e+04	-0.09	-1038.90	0.0	2.182e+04	3.606e+04	1614.84	1.340e+05	-1.284e+05	-
1.652e+06				-1.652e+06	-1.284e+05	3.55e-03	0.0	64.0	2.182e+04	3.555e+04	1614.84	1.340e+05	-	-
2.504e+04	6.392e+05						128.0	2.182e+04	3.503e+04	1614.84	1.340e+05	7.831e+04	2.8	
97e+06	53	75	3.63											



[illegible]



1.788e+041.046e+043.280e+04	-1.011e+06-1.823e+04	-1.02e-03	0.0	64.0	-877.20	1.612e+04	-448.14	-	
1.823e+041.049e+06				128.0	-877.20	1.568e+04	-448.14-1.788e+04	-	
54 60 1.053e+06 3.794e+04	-4.57e-04	-878.44	0.0	-1030.46	1.647e+04	-430.43-1.603e+04	3.794e+04	-	
1.002e+06									
1.603e+041.039e+043.976e+04	-1.002e+06-1.717e+04	-9.89e-04	0.0	64.0	-1030.46	1.603e+04	-430.43	-	
1.717e+041.053e+06				128.0	-1030.46	1.559e+04	-430.43-1.603e+04	-	
54 61 1.250e+06 1.075e+04	-0.06	-878.44	0.0	1.922e+04	1.029e+04	-194.68-3.260e+04	1.075e+04	-	
1.355e+04									
1704.336.321e+05	-1.355e+04-1.415e+04	1.82e-04	0.0	64.0	1.922e+04	9853.36	-194.68-3.260e+04	-	
1.415e+041.250e+06				128.0	1.922e+04	9414.14	-194.68-3.260e+04	-	
54 66 1.062e+06 4.255e+04	-1.86e-03	-878.44	0.0	168.49	1.622e+04	-479.84-1.741e+04	4.255e+04	-	
9.551e+05									
1.741e+041.183e+046.763e+04	-9.551e+05-1.888e+04	-1.10e-03	0.0	64.0	168.49	1.579e+04	-479.84	-	
1.888e+041.062e+06				128.0	168.49	1.535e+04	-479.84-1.741e+04	-	
54 70 1.067e+06 4.275e+04	-1.71e-03	-878.44	0.0	148.51	1.620e+04	-481.10-1.731e+04	4.275e+04	-	
9.528e+05									
1.731e+041.195e+047.102e+04	-9.528e+05-1.885e+04	-1.10e-03	0.0	64.0	148.51	1.576e+04	-481.10	-	
1.885e+041.067e+06				128.0	148.51	1.532e+04	-481.10-1.731e+04	-	
54 73 1.134e+06 2.991e+04	-0.04	-850.64	0.0	1.218e+04	1.030e+04	543.31 4.642e+04-3.963e+04	-		
1.300e+05									
4858.255.154e+05	-1.300e+05-3.963e+04	-1.05e-03	0.0	64.0	1.218e+04	9870.94	543.31 4.642e+04	-	
34e+06				128.0	1.218e+04	9445.62	543.31 4.642e+04 2.991e+04 1.1		
54 74 2.413e+06 2.021e+04	-0.06	-943.30	0.0	2.326e+04	2.471e+04	344.59 3.356e+04-2.390e+04	-		
6.901e+05									
1844.408.765e+05	-6.901e+05-2.390e+04	-1.27e-03	0.0	64.0	2.326e+04	2.424e+04	344.59 3.356e+04	-	
13e+06				128.0	2.326e+04	2.377e+04	344.59 3.356e+04 2.021e+04 2.4		
54 75 1.256e+06 4.414e+04	-0.04	-850.64	0.0	1.431e+04	1.071e+04	808.52 6.873e+04-5.935e+04	-		
5.970e+04									
7603.736.119e+05	-5.970e+04-5.935e+04	-1.27e-03	0.0	64.0	1.431e+04	1.028e+04	808.52 6.873e+04	-	
56e+06				128.0	1.431e+04	9855.65	808.52 6.873e+04 4.414e+04 1.2		
54 77 8.635e+05 3751.13	-0.03	-850.64	0.0	7485.67	9394.18	-40.15 -2656.08 3751.13	-		
2.845e+05									
2656.08 1181.81 3.031e+05	-2.845e+05	-1387.51	-5.63e-04	0.0	64.0	7485.67	8968.86	-40.15	-
1387.518.635e+05				128.0	7485.67	8543.54	-40.15 -2656.08	-	
54 78 1.503e+06 1.162e+04	-0.04	-896.97	0.0	1.303e+04	1.660e+04	-139.51 -9088.56 1.162e+04	-		
5.646e+05									
9088.56 2688.73 4.837e+05	-5.646e+05	-6239.63	-6.74e-04	0.0	64.0	1.303e+04	1.616e+04	-139.51	-
6239.631.503e+06				128.0	1.303e+04	1.571e+04	-139.51 -9088.56	-	
54 79 1.134e+06 2.991e+04	-0.04	-850.64	0.0	1.218e+04	1.030e+04	543.31 4.642e+04-3.963e+04	-		
1.300e+05									
4858.255.154e+05	-1.300e+05-3.963e+04	-1.05e-03	0.0	64.0	1.218e+04	9870.94	543.31 4.642e+04	-	
34e+06				128.0	1.218e+04	9445.62	543.31 4.642e+04 2.991e+04 1.1		
54 80 1.517e+06 2.700e+04	-0.04	-878.44	0.0	1.550e+04	1.462e+04	483.69 4.256e+04-3.491e+04	-		
2.980e+05									
3954.096.237e+05	-2.980e+05-3.491e+04	-1.11e-03	0.0	64.0	1.550e+04	1.418e+04	483.69 4.256e+04	-	
17e+06				128.0	1.550e+04	1.374e+04	483.69 4.256e+04 2.700e+04 1.5		
54 81 8.635e+05 3751.13	-0.03	-850.64	0.0	7485.67	9394.18	-40.15 -2656.08 3751.13	-		
2.845e+05									
2656.08 1181.81 3.031e+05	-2.845e+05	-1387.51	-5.63e-04	0.0	64.0	7485.67	8968.86	-40.15	-
1387.518.635e+05				128.0	7485.67	8543.54	-40.15 -2656.08	-	
54 82 1.247e+06 8470.71	-0.03	-878.44	0.0	1.081e+04	1.372e+04	-99.76 -6515.57 8470.71	-		
4.526e+05									
6515.57 2085.96 4.114e+05	-4.526e+05	-4298.78	-6.30e-04	0.0	64.0	1.081e+04	1.328e+04	-99.76	-



						128.0	1.081e+04	1.284e+04	-99.76	-6515.57			-
4298.781.247e+06	55	2	3.120e+06	3.527e+04	-0.07	-1284.57	0.0	3.009e+04	3.401e+04	613.11	5.735e+04	-4.321e+04	-
1.151e+06			-1.151e+06	-4.321e+04	3.02e-04	0.0	64.0	3.009e+04	3.337e+04	613.11	5.735e+04		-
3969.921.005e+06							128.0	3.009e+04	3.272e+04	613.11	5.735e+04	3.527e+04	3.1
20e+06	55	3	8.751e+05	3.506e+04	-0.03	-847.58	0.0	1.010e+04	8554.78	620.63	5.624e+04	-4.438e+04	-
1.656e+05			-1.656e+05	-4.438e+04	3.17e-04	0.0	64.0	1.010e+04	8130.99	620.63	5.624e+04		-
4663.433.683e+05							128.0	1.010e+04	7707.20	620.63	5.624e+04	3.506e+04	8.7
51e+05	55	5	1.256e+06	4.697e+04	-0.04	-1149.20	0.0	1.425e+04	1.243e+04	831.61	7.534e+04	-5.948e+04	-
2.607e+05			-2.607e+05	-5.948e+04	4.24e-04	0.0	64.0	1.425e+04	1.185e+04	831.61	7.534e+04		-
6252.705.161e+05							128.0	1.425e+04	1.128e+04	831.61	7.534e+04	4.697e+04	1.2
56e+06	55	6	2.598e+06	4.704e+04	-0.06	-1243.96	0.0	2.637e+04	2.753e+04	824.73	7.603e+04	-5.853e+04	-
8.461e+05			-8.461e+05	-5.853e+04	4.14e-04	0.0	64.0	2.637e+04	2.691e+04	824.73	7.603e+04		-
5745.738.958e+05							128.0	2.637e+04	2.628e+04	824.73	7.603e+04	4.704e+04	2.5
98e+06	55	26	9.912e+05	4119.06	0.02	-877.02	0.0	-5153.24	1.786e+04	-40.75	-164.17	4119.06	-
1.238e+06			-1.238e+06	-1167.01	2.06e-04	0.0	64.0	-5153.24	1.743e+04	-40.75	-164.17	1476.03	-
1.092e+05							128.0	-5153.24	1.699e+04	-40.75	-164.17		-
1167.019.912e+05	55	29	1.284e+06	-279.58	-0.08	-877.02	0.0	2.425e+04	8775.04	9.45	-2216.13		-
1507.202.181e+05			2.181e+05	-1507.20	-2.58e-04	0.0	64.0	2.425e+04	8336.53	9.45	-2216.13		-
893.397.651e+05							128.0	2.425e+04	7898.02	9.45	-2216.13		-
279.581.284e+06	55	31	1.286e+06	1753.58	-0.08	-877.02	0.0	2.416e+04	8752.76	51.33	1069.84		-
4853.312.207e+05			2.207e+05	-4853.31	-2.27e-04	0.0	64.0	2.416e+04	8314.25	51.33	1069.84		-
1549.877.676e+05							128.0	2.416e+04	7875.74	51.33	1069.84	1753.58	1.2
86e+06	55	32	9.935e+05	1164.72	0.02	-877.02	0.0	-5232.23	1.784e+04	-1.85	3220.52	1164.72	-
1.235e+06			-1.235e+06	910.10	2.54e-04	0.0	64.0	-5232.23	1.740e+04	-1.85	3220.52	1037.41	-
1.066e+05							128.0	-5232.23	1.696e+04		-		-
1.853220.52910.109.935e+05	55	38	9.916e+05	1.323e+04	0.02	-877.02	0.0	-5138.80	1.786e+04	-124.66	1424.70	1.323e+04	-
1.236e+06			-1.236e+06	-2732.63	-1.94e-04	0.0	64.0	-5138.80	1.742e+04	-124.66	1424.70	5250.69	-
1.084e+05							128.0	-5138.80	1.698e+04	-124.66	1424.70		-
2732.639.916e+05	55	39	1.286e+06	3363.14	-0.08	-877.02	0.0	2.415e+04	8756.90	132.26	-420.31		-
1.358e+042.198e+05			2.198e+05	-1.358e+04									



1.025e+06	55	64	1.035e+06	875.20	3.37e-03	-877.02	0.0	-975.64	1.653e+04	-1.65	2248.11	875.20	-
1.652248.11763.701.921e+04			-1.025e+06	652.20	1.79e-04	0.0	64.0	-975.64	1.609e+04	-			
							128.0	-975.64	1.565e+04	-			
1.652248.11652.201.035e+06													
1.026e+06	55	70	1.034e+06	9180.56	3.43e-03	-877.02	0.0	-919.51	1.654e+04	-85.26	1345.57	9180.56	-
85.261345.573721.101.809e+04			-1.026e+06	-1738.36	-1.37e-04	0.0	64.0	-919.51	1.610e+04	-			
							128.0	-919.51	1.566e+04	-85.26	1345.57		-
1738.361.034e+06													
9523.049529.60	55	71	1.243e+06	2368.87	-0.06	-877.02	0.0	1.993e+04	1.007e+04	92.86	-341.18		-
			9529.60	-9523.04	1.31e-04	0.0	64.0	1.993e+04	9632.34	92.86	-341.18		-
3577.096.404e+05							128.0	1.993e+04	9193.83	92.86	-		
341.182368.871.243e+06													
2.349e+05	55	73	8.599e+05	2.358e+04	-0.03	-849.95	0.0	8971.53	8978.31	417.61	3.777e+04	-2.988e+04	-
3148.903.261e+05			-2.349e+05	-2.988e+04	2.13e-04	0.0	64.0	8971.53	8553.34	417.61	3.777e+04		-
							128.0	8971.53	8128.37	417.61	3.777e+04	2.358e+04	8.5
99e+05													
7.923e+05	55	74	2.138e+06	2.364e+04	-0.05	-940.19	0.0	2.052e+04	2.336e+04	411.06	3.842e+04	-2.897e+04	-
2666.076.878e+05			-7.923e+05	-2.897e+04	2.03e-04	0.0	64.0	2.052e+04	2.289e+04	411.06	3.842e+04		-
							128.0	2.052e+04	2.242e+04	411.06	3.842e+04	2.364e+04	2.1
38e+06													
1.995e+05	55	75	8.948e+05	3.134e+04	-0.03	-849.95	0.0	9947.77	8974.02	554.90	5.025e+04	-3.969e+04	-
4174.263.612e+05			-1.995e+05	-3.969e+04	2.83e-04	0.0	64.0	9947.77	8549.05	554.90	5.025e+04		-
							128.0	9947.77	8124.07	554.90	5.025e+04	3.134e+04	8.9
48e+05													
5.897e+05	55	76	1.789e+06	3.138e+04	-0.04	-913.12	0.0	1.803e+04	1.904e+04	550.31	5.071e+04	-3.906e+04	-
3836.276.144e+05			-5.897e+05	-3.906e+04	2.76e-04	0.0	64.0	1.803e+04	1.859e+04	550.31	5.071e+04		-
							128.0	1.803e+04	1.813e+04	550.31	5.071e+04	3.138e+04	1.7
89e+06													
3.128e+05	55	77	7.833e+05	6504.77	-0.02	-849.95	0.0	6823.79	8987.75	115.59	1.029e+04	-8291.02	-
893.122.489e+05			-3.128e+05	-8291.02	5.78e-05	0.0	64.0	6823.79	8562.78	115.59	1.029e+04		-
							128.0	6823.79	8137.81	115.59	1.029e+04	6504.77	7.8
33e+05													
5.915e+05	55	78	1.422e+06	6536.59	-0.04	-895.07	0.0	1.260e+04	1.618e+04	112.32	1.062e+04	-7840.00	-
651.714.297e+05			-5.915e+05	-7840.00	5.29e-05	0.0	64.0	1.260e+04</					



7390.939.035e+05	-1.219e+06	-6.821e+04	1.73e-03	0.0	64.0	2.556e+04	3.284e+04	950.26	8.863e+04	-
85e+06					128.0	2.556e+04	3.220e+04	950.26	8.863e+04	5.343e+04 2.9
56	3	7.764e+05	3.407e+04	-0.02	-848.21	0.0	6603.70	8374.36	615.73	5.791e+04 -4.474e+04 -
2.413e+05		-2.413e+05	-4.474e+04	9.56e-04	0.0	64.0	6603.70	7950.26	615.73	5.791e+04 -
5335.982.811e+05					128.0	6603.70	7526.15	615.73	5.791e+04	3.407e+04 7.7
64e+05					0.0	2.105e+04	2.708e+04	1005.59	9.428e+04	-7.243e+04 -
56	6	2.443e+06	5.629e+04	-0.06	-1247.49	0.0	2.105e+04	2.646e+04	1005.59	9.428e+04 -
9.436e+05		-9.436e+05	-7.243e+04	1.72e-03	0.0	64.0	2.105e+04	2.646e+04	1005.59	9.428e+04 -
8071.997.698e+05					128.0	2.105e+04	2.584e+04	1005.59	9.428e+04	5.629e+04 2.4
43e+06					0.0	4691.92	1.452e+04	382.72	2.948e+04	-2.913e+04 -
56	12	1.093e+06	1.987e+04	-0.02	-878.44	0.0	4691.92	1.408e+04	382.72	2.948e+04 -
6.584e+05		-6.584e+05	-2.913e+04	1.18e-03	0.0	64.0	4691.92	1.364e+04	382.72	2.948e+04 1.987e+04 1.0
4627.582.313e+05					128.0	4691.92	1.364e+04	382.72	2.948e+04	1.987e+04 1.0
93e+06					0.0	-3858.33	1.701e+04	438.36	2.076e+04	-3.678e+04 -
56	32	1.003e+06	1.935e+04	0.01	-878.44	0.0	-3858.33	1.657e+04	438.36	2.076e+04 -8717.01 -
1.113e+06		-1.113e+06	-3.678e+04	2.16e-03	0.0	64.0	-3858.33	1.657e+04	438.36	2.076e+04 -8717.01 -
4.123e+04					128.0	-				
3858.331.613e+04	438.36	2.076e+04	1.935e+04	1.003e+06	0.0	2.319e+04	8631.83	375.04	3.145e+04	-
56	33	1.251e+06	1.709e+04	-0.07	-878.44	0.0	2.319e+04	8192.61	375.04	3.145e+04 -
3.096e+041.868e+05		1.868e+05	-3.096e+04	-9.47e-04	0.0	64.0	2.319e+04	8192.61	375.04	3.145e+04 -
6934.327.327e+05					128.0	2.319e+04	7753.39	375.04	3.145e+04	1.709e+04 1.2
51e+06					0.0	-5081.87	1.735e+04	184.59	1.859e+04	-9932.01 -
56	34	9.762e+05	1.364e+04	0.01	-878.44	0.0	-5081.87	1.691e+04	184.59	1.859e+04 1855.13 -
1.204e+06		-1.204e+06	-9932.01	2.03e-03	0.0	64.0	-5081.87	1.691e+04	184.59	1.859e+04 1855.13 -
9.987e+04					128.0	-				
5081.871.648e+04	184.59	1.859e+04	1.364e+04	9.762e+05	0.0	-5336.61	1.752e+04	214.42	2.163e+04	-1.199e+04 -
56	36	9.831e+05	1.540e+04	0.01	-878.44	0.0	-5336.61	1.708e+04	214.42	2.163e+04 1703.47 -
1.188e+06		-1.188e+06	-1.199e+04	2.11e-03	0.0	64.0	-5336.61	1.708e+04	214.42	2.163e+04 1703.47 -
8.826e+04					128.0	-				
5336.611.664e+04	214.42	2.163e+04	1.540e+04	9.831e+05	0.0	2.297e+04	8753.98	405.97	3.430e+04	-
56	39	1.258e+06	1.876e+04	-0.07	-878.44	0.0	2.297e+04	8314.76	405.97	3.430e+04 -
3.326e+041.989e+05		1.989e+05	-3.326e+04	-8.93e-04	0.0	64.0	2.297e+04	8314.76	405.97	3.430e+04 -
7247.117.426e+05					128.0	2.297e+04	7875.54	405.97	3.430e+04	1.876e+04 1.2
58e+06					0.0	5959.56	1.407e+04	350.46	2.807e+04	-2.640e+04 -
56	44	1.098e+06	1.847e+04	-0.02	-878.44	0.0	5959.56	1.363e+04	350.46	2.807e+04 -
6.161e+05		-6.161e+05	-2.640e+04	9.93e-04	0.0	64.0	5959.56	1.363e+04	350.46	2.807e+04 -
3965.232.552e+05					128.0	5959.56	1.319e+04	350.46	2.807e+04	1.847e+04 1.0
98e+06					0.0	-163.94	1.587e+04	390.64	2.229e+04	-3.176e+04 -
56	64	1.035e+06	1.826e+04	-4.96e-04	-878.44	0.0	-163.94	1.543e+04	390.64	2.229e+04 -
9.372e+05		-9.372e+05	-3.176e+04	1.70e-03	0.0	64.0	-163.94	1.543e+04	390.64	2.229e+04 -
6748.816.304e+04					128.0	-				
163.941.499e+04	390.64	2.229e+04	1.826e+04	1.035e+06	0.0	1.907e+04	9921.04	347.47	3.019e+04	-2.771e+04 -
56	65	1.213e+06	1.680e+04	-0.06	-878.44	0.0	1.907e+04	9481.82	347.47	3.019e+04 -
1.011e+04		-1.011e+04	-2.771e+04	-5.04e-04	0.0	64.0	1.907e+04	9481.82	347.47	3.019e+04 -
5450.986.153e+05					128.0	1.907e+04	9042.60	347.47	3.019e+04	1.680e+04 1.2
13e+06					0.0	-1064.26	1.613e+04	224.08	2.106e+04	-1.401e+04 -
56	66	1.017e+06	1.463e+04	1.56e-03	-878.44	0.0	-1064.26	1.613e+04	224.08	2.106e+04 -1.401e+04 -
1.000e+06		-1.000e+06	-1.401e+04	1.62e-03	0.0	64.0	-	-	-	-
1064.261.569e+04	224.08	2.106e+04	1.463e+04	1.017e+06	128.0	-	-	-	-	-
1064.261.525e+04	224.08	2.106e+04	1.463e+04	1.017e+06	0.0	-1217.01	1.623e+04	241.98	2.289e+04	-1.525e+04 -
56	68	1.021e+06	1.569e+04	1.24e-03	-878.44	0.0	-1217.01	1.623e+04	241.98	2.289e+04 -1.525e+04 -
9.908e+05		-9.908e+05	-1.525e+04	1.66e-03	0.0	64.0	-	-	-	-
1217.011.579e+04	241.98	2.289e+04	220.13	2.923e+04						



[illegible]



57	36	9.220e+05	3.341e+04	2.78e-03	-882.99	0.0	-2990.30	1.573e+04	686.20	4.476e+04	-5.450e+04	-
1.020e+06		-1.020e+06	-5.450e+04	4.74e-03	0.0	64.0	-2990.30	1.529e+04	686.20	4.476e+04	-1.055e+04	-
3.484e+04												
						128.0	-					
2990.301	485e+04	686.20	4.476e+04	3.341e+04	9.220e+05							
57	39	1.137e+06	2.902e+04	-0.06	-882.99	0.0	1.936e+04	8889.46	387.14	6.791e+04		-
2.050e+04	5.864e+04	-2.050e+04		-1.33e-								
03	0.0	64.0	1.936e+04	8447.97	387.14	6.791e+04	4260.58	6.118e+05				
							128.0	1.936e+04	8006.47	387.14	6.791e+04	2.902e+04
37e+06												1.1
57	65	1.100e+06	2.896e+04	-0.05	-882.99	0.0	1.631e+04	9795.14	417.47	6.311e+04	-2.443e+04	-
1.067e+05												
		-1.067e+05	-2.443e+04	-5.95e-								
04	0.0	64.0	1.631e+04	9353.65	417.47	6.311e+04	2266.79	5.105e+05				
							128.0	1.631e+04	8912.15	417.47	6.311e+04	2.896e+04
00e+06												1.1
57	66	9.481e+05	3.186e+04	-5.50e-03	-882.99	0.0	443.11	1.462e+04	624.45	4.639e+04	-4.808e+04	-
8.760e+05												
		-8.760e+05	-4.808e+04	3.79e-03	0.0	64.0	443.11	1.418e+04	624.45	4.639e+04		-
8113.025	0.020e+04											
							128.0	443.11	1.374e+04	624.45	4.639e+04	3.186e+04
81e+05												9.4
57	68	9.518e+05	3.252e+04	-5.91e-03	-882.99	0.0	284.88	1.472e+04	637.32	4.770e+04	-4.910e+04	-
8.666e+05												
		-8.666e+05	-4.910e+04	3.86e-03	0.0	64.0	284.88	1.428e+04	637.32	4.770e+04		-
8291.695	6.74e+04											
							128.0	284.88	1.383e+04	637.32	4.770e+04	3.252e+04
18e+05												9.5
57	71	1.104e+06	2.953e+04	-0.05	-882.99	0.0	1.617e+04	9859.37	428.58	6.423e+04	-2.531e+04	-
9.965e+04												
		-9.965e+04	-2.531e+04	-5.60e-								
04	0.0	64.0	1.617e+04	9417.87	428.58	6.423e+04	2110.64	5.163e+05				
							128.0	1.617e+04	8976.38	428.58	6.423e+04	2.953e+04
04e+06												1.1
57	73	6.917e+05	3.368e+04	-0.02	-852.87	0.0	5476.75	8098.83	581.87	6.303e+04	-4.080e+04	-
2.904e+05												
		-2.904e+05	-4.080e+04	1.95e-03	0.0	64.0	5476.75	7672.40	581.87	6.303e+04		-
3556.242	1.43e+05											
							128.0	5476.75	7245.97	581.87	6.303e+04	3.368e+04
17e+05												6.9
57	74	1.870e+06	5.306e+04	-0.04	-953.27	0.0	1.537e+04	2.171e+04				



1.415e+046.311e+05	-1.347e+06-1.290e+05	6.66e-03	0.0	64.0	1.335e+04	3.058e+04	1793.85	1.673e+05	-
67e+06				128.0	1.335e+04	2.991e+04	1793.85	1.673e+05	1.007e+05 2.5
58 3.063e+05	7 6.964e+05 4.188e+04	-0.02	-854.08	0.0	2579.89	8260.81	727.60	7.704e+04	-5.125e+04 -
4685.432.087e+05	-3.063e+05-5.125e+04	3.63e-03	0.0	64.0	2579.89	7833.78	727.60	7.704e+04	-
64e+05				128.0	2579.89	7406.74	727.60	7.704e+04	4.188e+04 6.9
58 4.287e+05	15 1.020e+06 4.395e+04	-0.03	-891.64	0.0	6788.67	1.166e+04	759.90	7.796e+04	-5.355e+04 -
4804.243.098e+05	-4.287e+05-5.355e+04	1.72e-03	0.0	64.0	6788.67	1.122e+04	759.90	7.796e+04	-
20e+06				128.0	6788.67	1.077e+04	759.90	7.796e+04	4.395e+04 1.0
58 1.503e+05	33 1.051e+06 4.327e+04	-0.04	-891.64	0.0	1.239e+04	9853.05	685.54	8.427e+04	-4.490e+04 -
812.954.646e+05	-1.503e+05-4.490e+04	-1.65e-03	0.0	64.0	1.239e+04	9407.23	685.54	8.427e+04	-
51e+06				128.0	1.239e+04	8961.41	685.54	8.427e+04	4.327e+04 1.0
58 1.618e+05	35 1.058e+06 4.387e+04	-0.04	-891.64	0.0	1.219e+04	9937.74	695.59	8.582e+04	-4.564e+04 -
886.954.623e+05	-1.618e+05-4.564e+04	-1.51e-03	0.0	64.0	1.219e+04	9491.92	695.59	8.582e+04	-
58e+06				128.0	1.219e+04	9046.10	695.59	8.582e+04	4.387e+04 1.0
58 8.861e+05	36 9.261e+05 4.209e+04	-0.01	-891.64	0.0	-2575.88	1.458e+04	845.82	5.822e+04	-6.575e+04 -
1.183e+043.430e+04	-8.861e+05-6.575e+04	7.15e-03	0.0	64.0	-2575.88	1.414e+04	845.82	5.822e+04	-
2575.881.369e+04	845.82 5.822e+04 4.209e+04	9.261e+05	-891.64	128.0	-				
58 8.757e+05	40 9.252e+05 4.208e+04	-1.00e-02	-891.64	0.0	-2546.78	1.458e+04	846.95	5.801e+04	-6.590e+04 -
1.191e+043.900e+04	-8.757e+05-6.590e+04	7.09e-03	0.0	64.0	-2546.78	1.413e+04	846.95	5.801e+04	-
2546.781.369e+04	846.95 5.801e+04 4.208e+04	9.252e+05	-891.64	128.0	-				
58 2.596e+05	65 1.032e+06 4.309e+04	-0.03	-891.64	0.0	1.019e+04	1.055e+04	710.33	8.061e+04	-4.804e+04 -
2473.894.006e+05	-2.596e+05-4.804e+04	-4.82e-04	0.0	64.0	1.019e+04	1.011e+04	710.33	8.061e+04	-
32e+06				128.0	1.019e+04	9660.73	710.33	8.061e+04	4.309e+04 1.0
58 2.665e+05	67 1.036e+06 4.345e+04	-0.04	-891.64	0.0	1.007e+04	1.060e+04	716.33	8.153e+04	-4.849e+04 -
2521.533.992e+05	-2.665e+05-4.849e+04	-4.04e-04	0.0	64.0	1.007e+04	1.016e+04	716.33	8.153e+04	-
36e+06				128.0	1.007e+04	9711.13	716.33	8.153e+04	4.345e+04 1.0
58 7.768e+05	68 9.448e+05 4.227e+04	-0.01	-891.64	0.0	-375.32	1.388e+04	821.03	6.188e+04	-6.261e+04 -
1.017e+049.827e+04	-7.768e+05-6.261e+04	5.88e-03	0.0	64.0	-375.32	1.344e+04	821.03	6.188e+04	-
375.321.299e+04	821.03 6.188e+04 4.227e+04	9.448e+05	-891.64	128.0	-				
58 7.706e+05	72 9.442e+05 4.226e+04	-0.01	-891.64	0.0	-356.86	1.388e+04	821.64	6.175e+04	-6.269e+04 -
1.021e+041.011e+05	-7.706e+05-6.269e+04	5.84e-03	0.0	64.0	-356.86	1.343e+04	821.64	6.175e+04	-
356.861.299e+04	821.64 6.175e+04 4.226e+04	9.442e+05	-972.23	128.0	-				
58 9.239e+05	74 1.763e+06 6.996e+04	-0.04	-972.23	0.0	9113.56	2.148e+04	1246.42	1.165e+05	-8.959e+04 -
9815.794.352e+05	-9.239e+05-8.959e+04	4.65e-03	0.0	64.0	9113.56	2.099e+04	1246.42	1.165e+05	-
63e+06				128.0	9113.56	2.051e+04	1246.42	1.165e+05	6.996e+04 1.7
58 3.290e+05	75 7.073e+05 3.959e+04	-0.02	-857.10	0.0	2855.77	8524.37	694.65	7.124e+04	-4.933e+04 -
4871.442.028e+05	-3.290e+05-4.933e+04	3.19e-03	0.0	64.0	2855.77	8095.82	694.65	7.124e+04	-
73e+05				128.0	2855.77	7667.27	694.65	7.124e+04	3.959e+04 7.0
58 6.343e+05	78 1.209e+06 5.038e+04	-0.03	-914.66	0.0	6113.27	1.486e+04	901.57	8.396e+04	-6.502e+04 -
7320.263.022e+05	-6.343e+05-6.502e+04	3.29e-03	0.0	64.0	6113.27	1.440e+04	901.57	8.396e+04	-



09e+06						128.0	6113.27	1.395e+04	901.57	8.396e+04	5.038e+04	1.2
58	79	6.977e+05	3.796e+04	-0.02	-857.10	0.0	2903.40	8471.96	669.11	6.757e+04	-4.769e+04	-
3.319e+05		-3.319e+05	-4.769e+04	2.96e-03	0.0	64.0	2903.40	8043.41	669.11	6.757e+04		-
4862.791.966e+05												
77e+05						128.0	2903.40	7614.86	669.11	6.757e+04	3.796e+04	6.9
58	81	6.765e+05	3.438e+04	-0.02	-857.10	0.0	3008.19	8356.67	612.92	5.950e+04	-4.407e+04	-
3.383e+05		-3.383e+05	-4.407e+04	2.44e-03	0.0	64.0	3008.19	7928.13	612.92	5.950e+04		-
4843.761.828e+05												
65e+05						128.0	3008.19	7499.58	612.92	5.950e+04	3.438e+04	6.7
58	82	9.962e+05	4.398e+04	-0.02	-891.64	0.0	4871.24	1.226e+04	786.11	7.418e+04	-5.664e+04	-
5.159e+05		-5.159e+05	-5.664e+04	2.95e-03	0.0	64.0	4871.24	1.181e+04	786.11	7.418e+04		-
6329.662.544e+05												
62e+05						128.0	4871.24	1.137e+04	786.11	7.418e+04	4.398e+04	9.9
59	2	3.957e+05	9.683e+04	-4.28e-04	-1231.19	0.0	7838.39	-3669.11	1418.99	6.203e+05		-
8.480e+043.957e+05		-1.528e+05	-8.480e+04	0.04	0.0	64.0	7838.39	-				
4284.70 1418.99	6.203e+05	6019.12	1.412e+05									
1.528e+05						128.0	7838.39	-4900.30	1418.99	6.203e+05	9.683e+04	-
59	3	1.219e+05	3.067e+04	-1.60e-04	-840.27	0.0	2493.30	-955.16	391.85	2.478e+05		-
1.949e+041.219e+05		-5.417e+04	-1.949e+04	0.02	0.0	64.0	2493.30	-				
1375.29	391.85	2.478e+05	5587.45	4.729e+04								
5.417e+04						128.0	2493.30	-1795.43	391.85	2.478e+05	3.067e+04	-
59	34	1.913e+04	4.054e+04	1.88e-05	-860.58	0.0	-1202.51	1195.20	734.00	2.732e+05	-5.329e+04	-
7.878e+04		-7.878e+04	-5.329e+04	0.03	0.0	64.0	-1202.51	764.91	734.00	2.732e+05	-6372.87	-
1.606e+04												
1202.51	334.62	734.00	2.732e+05	4.054e+04	1.913e+04	128.0	-					
59	35	4.071e+05	3.808e+04	-4.10e-04	-860.58	0.0	7824.96	-3974.51	395.34	2.629e+05		-
1.264e+044.071e+05		-1.567e+05	-1.264e+04	0.01	0.0	64.0	7824.96	-				
4404.80	395.34	2.629e+05	1.272e+04	1.389e+05								
1.567e+05						128.0	7824.96	-4835.09	395.34	2.629e+05	3.808e+04	-
59	38	1.678e+04	4.048e+04	-1.42e-05	-860.58	0.0	-1079.79	1125.64	735.78	2.734e+05	-5.336e+04	-
7.222e+04		-7.222e+04	-5.336e+04	0.03	0.0	64.0	-1079.79	695.35	735.78	2.734e+05	-6437.76	-
1.395e+04												
1079.79	265.06	735.78	2.734e+05	4.048e+04	1.678e+04	128.0	-					
59	40	1.853e+04	4.092e+04	1.74e-05	-860.58	0.0	-1168.75	1176.71	725.14	2.771e+05	-5.237e+04	-
7.702e+04		-7.702e+04	-5.237e+04	0.03	0.0	64.0	-1168.75	746.42	725.14	2.771e+05	-5726.10	-
1.548e+04												
1168.75	316.13	725.14	2.771e+05	4.092e+04	1.853e+04	128.0	-					
59	66	6866.40	4.015e+04	-5.34e-05	-860.58	0.0	132.55	431.28	682.05	2.719e+05	-4.708e+04	-
6966.58		-6966.58	-4.708e+04	0.02	0.0	64.0	132.55	0.99	682.05	2.719e+05		-
3466.52	6866.40											
6839.19						128.0	132.55	-429.30	682.05	2.719e+05	4.015e+04	-
59	67	3.353e+05	3.848e+04	-3.47e-04	-860.58	0.0	6489.89	-3210.59	447.29	2.641e+05		-
1.885e+043.353e+05		-1.308e+05	-1.885e+04	0.01	0.0	64.0	6489.89	-				
3640.88	447.29	2.641e+05	9812.45	1.160e+05								
1.308e+05						128.0	6489.89	-4071.17	447.29	2.641e+05	3.848e+04	-
59	70	8242.77	4.011e+04	-5.65e-05	-860.58	0.0	206.27	389.48	683.08	2.720e+05	-4.712e+04	-
3026.08		-8249.60	-4.712e+04	0.02	0.0	64.0	206.27	-40.81	683.08	2.720e+05		-
3504.70	8131.45											
8249.60						128.0	206.27	-471.10	683.08	2.720e+05	4.011e+04	-
59	72	7220.11	4.037e+04	-5.43e-05	-860.58	0.0	153.13	420.02	676.76	2.742e+05	-4.653e+04	-
5892.21		-7206.13	-4.653e+04	0.02	0.0	64.0	153.13	-10.27	676.76	2.742e+05		-
3081.82	7220.11											
7206.13						128.0	153.13	-440.56	676.76	2.742e+05	4.037e+04	-



59	73	1.252e+05	3.060e+04	-1.63e-04	-841.90	0.0	2556.28	-989.70	402.96	2.389e+05	-
2.098e+041.252e+05											
		-5.537e+04	-2.098e+04	0.02	0.0	64.0	2556.28	-			
1410.65	402.96	2.389e+05	4811.64	4.838e+04							
						128.0	2556.28	-1831.60	402.96	2.389e+05	3.060e+04 -
5.537e+04											
59	74	2.728e+05	6.690e+04	-2.99e-04	-904.17	0.0	5414.63	-2508.69	977.12	4.320e+05	-
5.817e+042.728e+05											
		-1.062e+05	-5.817e+04	0.03	0.0	64.0	5414.63	-			
2960.78	977.12	4.320e+05	4366.70	9.779e+04							
						128.0	5414.63	-3412.86	977.12	4.320e+05	6.690e+04 -
1.062e+05											
59	77	1.213e+05	2.900e+04	-1.59e-04	-841.90	0.0	2481.07	-948.82	395.23	2.178e+05	-
2.159e+041.213e+05											
		-5.405e+04	-2.159e+04	0.02	0.0	64.0	2481.07	-			
1369.77	395.23	2.178e+05	3707.83	4.709e+04							
						128.0	2481.07	-1790.72	395.23	2.178e+05	2.900e+04 -
5.405e+04											
59	78	1.951e+05	4.715e+04	-2.27e-04	-873.03	0.0	3910.24	-1708.32	682.31	3.143e+05	-
4.018e+041.951e+05											
		-7.944e+04	-4.018e+04	0.02	0.0	64.0	3910.24	-			
2144.84	682.31	3.143e+05	3485.36	7.180e+04							
						128.0	3910.24	-2581.35	682.31	3.143e+05	4.715e+04 -
7.944e+04											
59	81	1.213e+05	2.900e+04	-1.59e-04	-841.90	0.0	2481.07	-948.82	395.23	2.178e+05	-
2.159e+041.213e+05											
		-5.405e+04	-2.159e+04	0.02	0.0	64.0	2481.07	-			
1369.77	395.23	2.178e+05	3707.83	4.709e+04							
						128.0	2481.07	-1790.72	395.23	2.178e+05	2.900e+04 -
5.405e+04											
59	82	1.656e+05	3.989e+04	-2.00e-04	-860.58	0.0	3338.57	-1404.52	567.48	2.757e+05	-
3.274e+041.656e+05											
		-6.928e+04	-3.274e+04	0.02	0.0	64.0	3338.57	-			
1834.81	567.48	2.757e+05	3574.35	6.191e+04							
						128.0	3338.57	-2265.10	567.48	2.757e+05	3.989e+04 -
6.928e+04											
60	3	3.636e+05	-5.202e+04	-4.08e-04	-840.27	0.0	8038.74	-3244.33	652.62	-2.040e+05	-
1.356e+053.636e+05											
		-1.055e+05	-1.356e+05	3.94e-03	0.0	64.0	8038.74	-3664.46	652.62	-2.040e+05	-
9.379e+041.425e+05						128.0	8038.74	-4084.59	652.62	-2.040e+05	-5.202e+04 -
1.055e+05											
60	6	5.408e+05	-7.985e+04	-6.09e-04	-1203.17	0.0	1.207e+04	-4811.87	1286.19	-3.202e+05	-
2.445e+055.408e+05											
		-1.521e+05	-2.445e+05	6.84e-03	0.0	64.0	1.207e+04	-5413.46	1286.19	-3.202e+05	-
1.622e+052.136e+05						128.0	1.207e+04	-6015.04	1286.19	-3.202e+05	-7.985e+04 -
1.521e+05											
60	25	1.310e+05	-9211.98	-1.66e-04	-860.58	0.0	2594.11	-1064.19	391.72	-7.006e+04	-
5.927e+041.310e+05											
		-6.029e+04	-5.927e+04	1.46e-03	0.0	64.0	2594.11	-1494.48	391.72	-7.006e+04	-
3.424e+044.913e+04						128.0	2594.11	-1924.77	391.72	-7.006e+04	-9211.98 -
6.029e+04											
60	26	1.430e+04	-6326.75	-4.82e-05	-860.58	0.0	-28.58	800.65	665.86	-4.384e+04	-9.151e+04 -
3.337e+04											
		-3.337e+04	-9.151e+04	2.09e-03	0.0	64.0	-28.58	370.36	665.86	-4.384e+04	-
4.892e+044.099.06						128.0	-28.58	-59.93	665.86	-4.384e+04	-
6326.751.403e+04											
60	28	1.515e+04	-6221.63	-4.64e-05	-860.58	0.0	-75.68	830.30	643.68	-4.220e+04	-8.870e+04 -
3.608e+04											
		-3.608e+04	-8.870e+04	2.03e-03	0.0	64.0	-75.68	400.01	643.68	-4.220e+04	-
4.746e+043294.49						128.0	-75.68	-30.28	643.68	-4.220e+04	-
6221.631.513e+04											
60	30	1.506e+04	-6221.02	-4.68e-05	-860.58	0.0	-65.10	825.20	663.45	-4.372e+04	-9.123e+04 -
3.556e+04											
		-3.556e+04	-9.123e+04	2.08e-03	0.0	64.0	-65.10	394.91	663.45	-4.372e+04	-
4.872e+043483.83						128.0	-65.10	-35.38	663.45	-4.372e+04	-
6221.021.499e+04											
60	57	1.063e+05	-8766.23	-1.47e-04	-860.58	0.0	2198.78	-784.37	426.66	-6.594e+04	-
6.333e+041.063e+05											
		-4.917e+04	-6.333e+04	1.53e-03	0.0	64.0	2198.78	-1214.66	426.66	-6.594e+04	-
3.605e+044.234e+04						128.0	2198.78	-1644.95	426.66	-6.594e+04	-8766.23 -
4.917e+04											
60	58	1.134e+04	-6729.51	-6.25e-05	-860.58	0.0	348.06	532.60	621.58	-4.728e+04	-8.626e+04 -
9750.73											



-9750.73-8.626e+04	1.99e-03	0.0	64.0	348.06	102.31	621.58-4.728e+04	-
4.650e+041.057e+04							
			128.0	348.06	-327.98	621.58-4.728e+04	-
6729.513344.21							
60 60 1.114e+04 -6667.38 -6.13e-05 -860.58 0.0 319.65 550.48 608.73-4.632e+04 -8.463e+04							-
1.138e+04							
-1.138e+04 -8.463e+04	1.95e-03	0.0	64.0	319.65	120.19	608.73-4.632e+04	-
4.565e+041.008e+04							
			128.0	319.65	-310.10	608.73-4.632e+04	-
6667.384004.47							
60 73 2.558e+05 -3.665e+04 -3.03e-04 -841.90 0.0 5714.00 -2183.15 577.26-1.520e+05							-
1.105e+052.558e+05							
-7.753e+04 -1.105e+05	3.10e-03	0.0	64.0	5714.00	-2604.10	577.26-1.520e+05	-
7.360e+041.026e+05							
			128.0	5714.00	-3025.05	577.26-1.520e+05-3.665e+04	-
7.753e+04							
60 76 3.629e+05 -5.360e+04 -4.13e-04 -885.49 0.0 8115.38 -3198.12 893.67-2.172e+05							-
1.680e+053.629e+05							
-1.031e+05 -1.680e+05	4.67e-03	0.0	64.0	8115.38	-3640.87	893.67-2.172e+05	-
1.108e+051.441e+05							
			128.0	8115.38	-4083.61	893.67-2.172e+05-5.360e+04	-
1.031e+05							
60 77 9.266e+04 -1.342e+04 -1.44e-04 -841.90 0.0 2195.13 -578.22 452.03-7.257e+04							-
7.128e+049.266e+04							
-3.524e+04 -7.128e+04	1.80e-03	0.0	64.0	2195.13	-999.17	452.03-7.257e+04	-
4.235e+044.218e+04							
			128.0	2195.13	-1420.12	452.03-7.257e+04-1.342e+04	-
3.524e+04							
60 80 2.699e+05 -3.939e+04 -3.19e-04 -860.58 0.0 6057.67 -2305.49 688.47-1.645e+05							-
1.275e+052.699e+05							
-8.026e+04 -1.275e+05	3.52e-03	0.0	64.0	6057.67	-2735.78	688.47-1.645e+05	-
8.345e+041.086e+05							
			128.0	6057.67	-3166.07	688.47-1.645e+05-3.939e+04	-
8.026e+04							
60 81 9.266e+04 -1.342e+04 -1.44e-04 -841.90 0.0 2195.13 -578.22 452.03-7.257e+04							-
7.128e+049.266e+04							
-3.524e+04 -7.128e+04	1.80e-03	0.0	64.0	2195.13	-999.17	452.03-7.257e+04	-
4.235e+044.218e+04							
			128.0	2195.13	-1420.12	452.03-7.257e+04-1.342e+04	-
3.524e+04							
60 82 1.068e+05 -1.616e+04 -1.60e-04 -860.58 0.0 2538.80 -700.56 563.24-8.502e+04							-
8.826e+041.068e+05							
-3.796e+04 -8.826e+04	2.22e-03	0.0	64.0	2538.80	-1130.85	563.24-8.502e+04	-
5.221e+044.818e+04							
			128.0	2538.80	-1561.14	563.24-8.502e+04-1.616e+04	-
3.796e+04							
61 3 9.043e+04 -3.796e+04 -2.59e-04 -840.27 0.0 5005.92 420.13 0.0 0.0							-
3.796e+047.699e+04							
7.699e+04 -3.796e+04	1.59e-03	0.0	64.0	5005.92	0.0	0.0 0.0	-
3.796e+049.043e+04							
			128.0	5005.92	-420.13	0.0 0.0	-
3.796e+047.699e+04							
61 6 1.389e+05 -5.580e+04 -3.92e-04 -1203.17 0.0 7666.74 731.84 42.09 1.523e+04							-
6.119e+041.105e+05							
1.105e+05 -6.119e+04	2.45e-03	0.0	64.0	7666.74	130.25	42.09 1.523e+04	-
5.849e+041.381e+05							
			128.0	7666.74	-471.33	42.09 1.523e+04	-
5.580e+041.271e+05							
61 10 2.133e+04 -5569.29 -8.31e-05 -860.58 0.0 839.35 612.77 0.34 9116.49 -5608.87							-
6538.10							
-6538.10 -5608.87	2.34e-04	0.0	64.0	839.35	182.48	0.34 9116.49	-
5589.081.889e+04							
			128.0	839.35	-247.81	0.34 9116.49	-
5569.291.678e+04							
61 11 1.936e+04 -4081.25 -8.21e-05 -860.58 0.0 803.24 322.24 23.72 -410.95							-
7120.491.162e+04							
-2175.23 -7120.49	2.35e-04	0.0	64.0	803.24	-108.05	23.72 -410.95	-
5600.871.849e+04							
			128.0	803.24	-538.34	23.72 -410.95 -4081.25	-
2175.23							
61 27 3.812e+04 -2915.68 -8.45e-05 -860.58 0.0 815.88 -89.40 41.88-1.451e+04							-
8277.803.812e+04							
-2.839e+04 -8277.80	2.36e-04	0.0	64.0	815.88	-519.69	41.88-1.451e+04	-
5596.741.863e+04							
			128.0	815.88	-949.98	41.88-1.451e+04 -2915.68	-
2.839e+04							
61 28 4.381e+04 -4571.47 -8.50e-05 -860.58 0.0 815.88 1038.78 -16.03 2.380e+04 -4571.47							-
3.409e+04							
-3.409e+04 -6622.02	2.35e-04	0.0	64.0	815.88	608.49	-16.03 2.380e+04	-
5596.741.863e+04							



						128.0	815.88	178.20	-16.03	2.380e+04	-
6622.024.381e+04											
61	29	3.824e+04	-2912.14	-8.48e-05	-860.58	0.0	826.71	-89.40	41.88	-1.451e+04	-
8274.273.824e+04											
		-2.827e+04	-8274.27	2.35e-04	0.0	64.0	826.71	-519.69	41.88	-1.451e+04	-
5593.211.875e+04											
						128.0	826.71	-949.98	41.88	-1.451e+04	-2912.14
2.827e+04											
61	30	4.393e+04	-4567.93	-8.53e-05	-860.58	0.0	826.71	1038.78	-16.03	2.380e+04	-4567.93
3.397e+04											
		-3.397e+04	-6618.48	2.35e-04	0.0	64.0	826.71	608.49	-16.03	2.380e+04	-
5593.211.875e+04											
						128.0	826.71	178.20	-16.03	2.380e+04	-
6618.484.393e+04											
61	42	2.029e+04	-5328.13	-8.29e-05	-860.58	0.0	832.10	572.66	4.13	7855.65	-5854.80
4055.74											
		-4055.74	-5854.80	2.34e-04	0.0	64.0	832.10	142.37	4.13	7855.65	-
5591.461.881e+04											
						128.0	832.10	-287.92	4.13	7855.65	-
5328.131.415e+04											
61	43	1.890e+04	-4322.41	-8.23e-05	-860.58	0.0	810.49	362.35	19.92	849.90	-
6874.569137.09											
		461.60	-6874.56	2.35e-04	0.0	64.0	810.49	-67.94	19.92	849.90	-
5598.481.857e+04											
						128.0	810.49	-498.23	19.92	849.90	-
4322.41 461.60											
61	59	2.810e+04	-3486.29	-8.35e-05	-860.58	0.0	818.06	73.27	32.96	-9106.21	-
7705.762.773e+04											
		-1.796e+04	-7705.76	2.35e-04	0.0	64.0	818.06	-357.02	32.96	-9106.21	-
5596.031.865e+04											
						128.0	818.06	-787.31	32.96	-9106.21	-3486.29
1.796e+04											
61	60	3.306e+04	-5094.51	-8.40e-05	-860.58	0.0	818.06	870.39	-7.84	1.816e+04	-5094.51
2.328e+04											
		-2.328e+04	-6097.55	2.35e-04	0.0	64.0	818.06	440.10	-7.84	1.816e+04	-
5596.031.865e+04											
						128.0	818.06	9.81	-7.84	1.816e+04	-
6097.553.306e+04											
61	61	2.818e+04	-3484.18	-8.36e-05	-860.58	0.0	824.54	73.27	32.96	-9106.21	-
7703.662.781e+04											
		-1.789e+04	-7703.66	2.35e-04	0.0	64.0	824.54	-357.02	32.96	-9106.21	-
5593.921.873e+04											
						128.0	824.54	-787.31	32.96	-9106.21	-3484.18
1.789e+04											
61	62	3.313e+04	-5092.40	-8.42e-05	-860.58	0.0	824.54	870.39	-7.84	1.816e+04	-5092.40
2.321e+04											
		-2.321e+04	-6095.44	2.35e-04	0.0	64.0	824.54	440.10	-7.84	1.816e+04	-
5593.921.873e+04											
						128.0	824.54	9.81	-7.84	1.816e+04	-
6095.443.313e+04											
61	73	6.555e+04	-2.670e+04	-1.98e-04	-841.90	0.0	3556.01	420.95			



61	82	3.248e+04	-1.101e+04	-1.16e-04	-860.58	0.0	1619.24	467.50	12.03	4352.77	-	
1.255e+04	1.624e+04	-1.255e+04	4.94e-04	0.0	64.0	1619.24	37.21	12.03	4352.77	-		
1.178e+04	3.239e+04					128.0	1619.24	-393.08	12.03	4352.77	-	
1.101e+04	2.101e+04											
62	3	3.636e+05	-5.202e+04	-4.08e-04	-840.27	0.0	8038.74	4084.60	-652.62	2.040e+05	-5.202e+04	-
1.055e+05		-1.055e+05	-1.356e+05	3.94e-03	0.0	64.0	8038.74	3664.46	-652.62	2.040e+05	-	
9.379e+04	1.425e+05					128.0	8038.74	3244.33	-652.62	2.040e+05	-	
1.356e+05	3.636e+05											
62	6	5.754e+05	-8.085e+04	-6.32e-04	-1176.61	0.0	1.257e+04	6403.27	-1111.58	3.366e+05	-8.085e+04	-
1.689e+05		-1.689e+05	-2.231e+05	6.40e-03	0.0	64.0	1.257e+04	5814.96	-1111.58	3.366e+05	-	
1.520e+05	2.221e+05					128.0	1.257e+04	5226.66	-1111.58	3.366e+05	-	
2.231e+05	5.754e+05											
62	25	1.178e+04	-6506.76	-5.16e-05	-852.99	0.0	78.32	146.30	-613.56	4.840e+04	-	
6506.76	1.019e+04											
		-2.568e+04	-8.513e+04	1.96e-03	0.0	64.0	78.32	-280.19	-613.56	4.840e+04	-	
4.582e+04	5905.78					128.0	78.32	-706.69	-613.56	4.840e+04	-8.513e+04	-
2.568e+04												
62	29	1.142e+04	-6612.48	-5.30e-05	-852.99	0.0	114.83	170.85	-615.98	4.852e+04	-	
6612.48	9234.12											
		-2.349e+04	-8.541e+04	1.97e-03	0.0	64.0	114.83	-255.64	-615.98	4.852e+04	-	
4.601e+04	6521.01					128.0	114.83	-682.14	-615.98	4.852e+04	-8.541e+04	-
2.349e+04												
62	30	1.409e+05	-9497.71	-1.73e-04	-852.99	0.0	2737.52	2035.70	-341.84	7.474e+04	-9497.71	-
6.509e+04		-6.509e+04	-5.317e+04	1.33e-03	0.0	64.0	2737.52	1609.20	-341.84	7.474e+04	-	
3.133e+04	5.155e+04					128.0	2737.52	1182.70	-341.84	7.474e+04	-	
5.317e+04	1.409e+05											
62	31	1.180e+04	-6507.36	-5.12e-05	-852.99	0.0	67.73	141.20	-593.79	4.688e+04	-	
6507.36	1.033e+04											
		-2.619e+04	-8.260e+04	1.90e-03	0.0	64.0	67.73	-285.30	-593.79	4.688e+04	-	
4.455e+04	5716.44					128.0	67.73	-711.79	-593.79	4.688e+04	-8.260e+04	-
2.619e+04												
62	61	1.299e+04	-7015.24	-6.82e-05	-852.99	0.0	491.47	438.91	-571.69	5.196e+04	-7015.24	-
1454.24		-1454.24	-8.016e+04	1.86e-03	0.0	64.0	491.47	12.41	-571.69	5.196e+04	-	
4.359e+04	1.299e+04					128.0	491.47	-414.09	-571.69	5.196e+04	-	
8.016e+04	134.46											
62	62	1.162e+05	-9051.96	-1.54e-04	-852.99	0.0	2342.19	1755.87	-376.78	7.062e+04	-9051.96	-
5.397e+04		-5.397e+04	-5.723e+04	1.41e-03	0.0	64.0	2342.19	1329.38	-376.78	7.062e+04	-	
3.314e+04	4.476e+04											



8.055e+04	1.110e+05	-8.506e+04	-1.214e+05	3.40e-03	0.0	64.0	6201.08	2850.50	-638.58	1.691e+05	-
1.214e+05	2.798e+05					128.0	6201.08	2424.00	-638.58	1.691e+05	-
62	81	9.266e+04	-1.342e+04	-1.44e-04	-841.90	0.0	2195.13	1420.12	-452.03	7.257e+04	-1.342e+04
3.524e+04		-3.524e+04	-7.128e+04	1.80e-03	0.0	64.0	2195.13	999.17	-452.03	7.257e+04	-
4.235e+04	4.218e+04					128.0	2195.13	578.22	-452.03	7.257e+04	-
7.128e+04	9.266e+04					0.0	2682.21	1672.06	-513.35	8.970e+04	-1.645e+04
62	82	1.167e+05	-1.645e+04	-1.67e-04	-852.99	0.0	2682.21	1245.56	-513.35	8.970e+04	-
4.276e+04		-4.276e+04	-8.216e+04	2.09e-03	0.0	64.0	2682.21	819.07	-513.35	8.970e+04	-
4.930e+04	5.060e+04					128.0	2682.21				
8.216e+04	1.167e+05					0.0	2.150e+04	1.238e+04	4214.70	4.749e+05	-2.151e+05
63	3	1.126e+06	3.244e+05	-1.05e-03	-840.27	0.0	2.150e+04	1.238e+04	4214.70	4.749e+05	-2.151e+05
4.054e+05		-4.054e+05	-2.151e+05	-3.18e-	4214.70	4.749e+05	5.465e+04	3.737e+05			
03	0.0	64.0	2.150e+04	1.196e+04		128.0	2.150e+04	1.154e+04	4214.70	4.749e+05	3.244e+05
26e+06											1.1
63	6	1.775e+06	5.357e+05	-1.64e-03	-1176.61	0.0	3.383e+04	1.944e+04	6942.86	7.777e+05	-3.530e+05
6.380e+05		-6.380e+05	-3.530e+05	-5.29e-	6942.86	7.777e+05	5.132e+04	5.872e+05			
03	0.0	64.0	3.383e+04	1.885e+04		128.0	3.383e+04	1.826e+04	6942.86	7.777e+05	5.357e+05
75e+06											1.7
63	29	5734.39	1.993e+05	-2.48e-05	-852.99	0.0	-608.15	32.29	2470.59	1.802e+05	-
1.170e+05	5.689.37										
		-4.477e+04	-1.170e+05	-2.20e-03	0.0	64.0	-608.15	-394.21	2470.59	1.802e+05	4.119e+04
5892.36						128.0	-608.15	-820.70	2470.59	1.802e+05	1.993e+05
4.477e+04											-
63	30	4.365e+05	9.863e+04	-4.34e-04	-852.99	0.0	8346.58	5149.33	1366.80	1.859e+05	-7.627e+04
1.680e+05		-1.680e+05	-7.627e+04	-8.09e-	1366.80	1.859e+05	1.118e+04	1.479e+05			
04	0.0	64.0	8346.58	4722.83		128.0	8346.58	4296.34	1366.80	1.859e+05	9.863e+04
65e+05											4.3
63	31	8554.04	1.936e+05	-2.05e-05	-852.99	0.0	-759.62	-53.09	2397.92	1.741e+05	-
1.134e+05	5.8554.04										
		-5.283e+04	-1.134e+05	-2.14e-03	0.0	64.0	-759.62	-479.59	2397.92	1.741e+05	4.010e+04
8492.29						128.0	-759.62	-906.08	2397.92	1.741e+05	1.936e+05
5.283e+04											-
63	61	2.493e+04	1.835e+05	-7.71e-05	-852.99	0.0	679.52	767.86	2295.37	1.798e+05	-1.103e+05
1.928e+04		-1.928e+04	-1.103e+05	-1.98e-	2295.37	1.798e+05	3.658e+04	1.622e+04			
03	0.0	64.0	679.52	341.37		128.0	679.52				
85.132295.37	1.798e+05	1.835e+05	2.442e+04								
63	62	3.641e+05	1.121e+05	-3.71e-04	-852.99	0.0	6998.79	4379.87	1511.56	1.838e+05	-8.139e+04
1.419e+05		-1.419e+05	-8.139e+04	-9.89e-	1511.56	1.838e+05	1.534e+04	1.247e+05			
04	0.0	64.0	6998.79	3953.38		128.0	6998.79	3526.88	1511.56	1.838e+05	1.121e+05
41e+05											3.6
63	63	2.091e+04	1.802e+05	-7.30e-05	-852.99	0.0	588.17	716.37	2253.16	1.763e+05	-1.083e+05
1.755e+04		-1.755e+04	-1.083e+05	-1.94e-	2253.16	1.763e+05	3.594e+04	1.465e+04			
03	0.0	64.0	588.17	289.87		128.0	588.17				
136.632253.16	1.763e+05	1.802e+05	1.955e+04								
63	73	7.975e+05	2.587e+05	-7.56e-04	-841.90	0.0	1.528e+04	8922.47	3357.17	3.677e+05	-1.710e+05
2.907e+05		-2.907e+05	-1.710e+05	-2.55e-	3357.17	3.677e+05	4.382e+04	2.668e+05			
03	0.0	64.0	1.528e+04	8501.52		128.0	1.528e+04	8080.57	3357.17	3.677e+05	2.587e+05
75e+05											7.9
63	76	1.192e+06	3.675e+05	-1.11e-03	-867.78	0.0	2.274e+04	1.310e+04	4762.95	5.307e+05	-2.421e+05
4.297e+05		-4.297e+05	-2.421e+05	-3.63e-	4762.95	5.307e+05	6.271e+04	3.951e+05			
03	0.0	64.0	2.274e+04	1.267e+04		128.0	2.274e+04	1.224e+04	4762.95	5.307e+05	3.675e+05
92e+06											1.1
63	77	3.003e+05	1.565e+05	-3.17e-04	-841.90	0.0	5857.21	3682.15	2024.24	2.025e+05	-1.026e+05
1.171e+05		-1.171e+05	-1.026e+05	-1.55e-	2024.24	2.025e+05	6.696e+04	1.051e+05			
03	0.0	64.0	5857.21	3261.20							



[illegible]



64	64	8.566e+05	-8535.45	-4.71e-03	-1271.80	0.0	1.372e+04	6986.90	127.06	-7900.46	-
2.458e+044.118e+04											-
4.118e+04-2.458e+04	1.00e-03	0.0	64.0	1.372e+04	6351.00	127.06	-7900.46				-
1.656e+044.692e+05											-
						128.0	1.372e+04	5715.10	127.06	-7900.46	-
8535.458.566e+05											-
64	71	8.177e+05	-7559.08	-0.02	-1271.80	0.0	1.779e+04	4223.67	146.37	-3.025e+04	-
2.667e+043.562e+05											-
3.562e+05-2.667e+04	1.40e-03	0.0	64.0	1.779e+04	3587.77	146.37	-3.025e+04				-
1.711e+046.073e+05											-
						128.0	1.779e+04	2951.88	146.37	-3.025e+04	-
7559.088.177e+05											-
64	73	4.467e+06	-2.192e+04	-0.08	-1043.13	0.0	8.821e+04	2.879e+04	259.26	-5.738e+04	-
5.511e+048.486e+05											-
8.486e+05-5.511e+04	2.07e-03	0.0	64.0	8.821e+04	2.827e+04	259.26	-5.738e+04				-
3.852e+042.674e+06											-
						128.0	8.821e+04	2.775e+04	259.26	-5.738e+04	-
2.192e+044.467e+06											-
64	76	6.435e+06	-3.263e+04	-0.11	-1576.68	0.0	1.276e+05	4.111e+04	360.73	-7.921e+04	-
7.881e+041.274e+06											-
1.274e+06-7.881e+04	3.10e-03	0.0	64.0	1.276e+05	4.032e+04	360.73	-7.921e+04				-
5.572e+043.880e+06											-
						128.0	1.276e+05	3.953e+04	360.73	-7.921e+04	-
3.263e+046.435e+06											-
64	77	1.597e+06	-1.011e+04	-0.03	-1043.13	0.0	3.106e+04	1.045e+04	153.58	-2.694e+04	-
2.977e+043.263e+05											-
3.263e+05-2.977e+04	1.22e-03	0.0	64.0	3.106e+04	9928.69	153.58	-2.694e+04				-
1.994e+049.784e+05											-
						128.0	3.106e+04	9407.12	153.58	-2.694e+04	-
1.011e+041.597e+06											-
64	80	4.751e+06	-2.421e+04	-0.08	-1271.80	0.0	9.396e+04	3.050e+04	282.16	-6.080e+04	-
6.033e+049.293e+05											-
9.293e+05-6.033e+04	2.34e-03	0.0	64.0	9.396e+04	2.986e+04	282.16	-6.080e+04				-
4.227e+042.861e+06											-
						128.0	9.396e+04	2.922e+04	282.16	-6.080e+04	-
2.421e+044.751e+06											-
64	81	1.597e+06	-1.011e+04	-0.03	-1043.13	0.0	3.106e+04	1.045e+04	153.58	-2.694e+04	-
2.977e+043.263e+05											-
3.263e+05-2.977e+04	1.22e-03	0.0	64.0	3.106e+04	9928.69	153.58	-2.694e+04				-
1.994e+049.784e+05											-
						128.0	3.106e+04	9407.12	153.58	-2.694e+04	-
1.011e+041.597e+06											-
64	82	1.882e+06	-1.240e+04	-0.03	-1271.80	0.0	3.682e+04	1.216e+04	176.49		



[illegible]



7.175e+041.193e+06						128.0	1.261e+05	-4.095e+04	-329.45	7.728e+04	-
66 6 9.560e+06 -5.241e+04	0.17	-1898.42	0.0	1.880e+05	-5.996e+04	-437.11	1.333e+05	-			
5.241e+049.560e+06											
1.763e+06 -1.084e+05	2.38e-03	0.0	64.0	1.880e+05	-6.091e+04	-437.11	1.333e+05	-			
8.039e+045.692e+06											
1.084e+051.763e+06						128.0	1.880e+05	-6.186e+04	-437.11	1.333e+05	-
66 26 8.037e+05 -8588.83	0.03	-1178.90	0.0	1.868e+04	-2368.97	-130.62	3.997e+04	-			
8588.838.037e+05											
4.293e+05 -2.558e+04	-1.27e-03	0.0	64.0	1.868e+04	-2958.42	-130.62	3.997e+04	-			
1.708e+046.354e+05											
2.558e+044.293e+05						128.0	1.868e+04	-3547.87	-130.62	3.997e+04	-
66 27 8.545e+05 -9980.86	4.84e-03	-1178.90	0.0	1.206e+04	-6609.24	-95.55	8008.53	-			
9980.868.545e+05											
-7.117e+04 -2.194e+04	4.54e-04	0.0	64.0	1.206e+04	-7198.69	-95.55	8008.53	-			
1.596e+044.106e+05											
7.117e+04						128.0	1.206e+04	-7788.14	-95.55	8008.53	-2.194e+04 -
66 28 7.954e+05 -8386.80	0.03	-1178.90	0.0	1.841e+04	-2292.96	-127.34	4.056e+04	-			
8386.807.954e+05											
4.226e+05 -2.516e+04	-1.26e-03	0.0	64.0	1.841e+04	-2882.41	-127.34	4.056e+04	-			
1.677e+046.279e+05											
2.516e+044.226e+05						128.0	1.841e+04	-3471.86	-127.34	4.056e+04	-
66 29 8.630e+05 -1.017e+04	4.94e-03	-1178.90	0.0	1.232e+04	-6696.62	-100.26	8043.96	-			
1.017e+048.630e+05											
-7.154e+04 -2.249e+04	4.68e-04	0.0	64.0	1.232e+04	-7286.07	-100.26	8043.96	-			
1.633e+044.146e+05											
7.154e+04						128.0	1.232e+04	-7875.52	-100.26	8043.96	-2.249e+04 -
66 30 8.039e+05 -8575.66	0.03	-1178.90	0.0	1.867e+04	-2380.35	-132.05	4.060e+04	-			
8575.668.039e+05											
4.223e+05 -2.571e+04	-1.27e-03	0.0	64.0	1.867e+04	-2969.80	-132.05	4.060e+04	-			
1.714e+046.319e+05											
2.571e+044.223e+05						128.0	1.867e+04	-3559.25	-132.05	4.060e+04	-
66 58 8.106e+05 -8855.72	0.02	-1178.90	0.0	1.769e+04	-2990.15	-124.08	3.539e+04	-			
8855.728.106e+05											
3.549e+05 -2.496e+04	-1.15e-03	0.0	64.0	1.769e+04	-3579.60	-124.08	3.539e+04	-			
1.691e+046.016e+05											
2.496e+043.549e+05						128.0	1.769e+04	-4169.05	-124.08	3.539e+04	-
66 59 8.477e+05 -9713.98	8.15e-03	-1178.90	0.0	1.305e+04	-5988.06	-102.09	1.259e+04	-			
9713.988.477e+05											
3250.13 -2.256e+04	-5.63e-04	0.0	64.0	1.305e+04	-6577.51	-102.09	1.259e+04	-			
1.614e+044.443e+05											
2.256e+043250.13						128.0	1.305e+04	-7166.96	-102.09	1.259e+04	-
66 61 8.526e+05 -9824.02	8.21e-03	-1178.90	0.0	1.320e+04	-6039.56	-104.82	1.261e+04	-			
9824.028.526e+05											
2995.03 -2.288e+04	-5.64e-04	0.0	64.0	1.320e+04	-6629.01	-104.82	1.261e+04	-			
1.635e+044.467e+05											
2.288e+042995.03						128.0	1.320e+04	-7218.46	-104.82	1.261e+04	-
66 62 8.107e+05 -8848.72	0.02	-1178.90	0.0	1.769e+04	-2997.45	-124.90	3.576e+04	-			
8848.728.107e+05											
3.507e+05 -2.504e+04	-1.15e-03	0.0	64.0	1.769e+04	-3586.90	-124.90	3.576e+04	-			
1.694e+045.995e+05											
2.504e+043.507e+05						128.0	1.769e+04	-4176.36	-124.90	3.576e+04	-
66 68 8.087e+05 -8737.61	0.02	-1178.90	0.0	1.712e+04	-3224.84	-121.40	3.494e+04	-			
8737.618.087e+05											
3.183e+05 -2.465e+04	-1.18e-03	0.0	64.0	1.712e+04	-3814.29	-121.40	3.494e+04	-			
1.669e+045.823e+05											
2.465e+043.183e+05						128.0	1.712e+04	-4403.74	-121.40	3.494e+04	-
66 73 4.467e+06 -2.192e+04	0.08	-1043.13	0.0	8.821e+04	-2.775e+04	-259.26	5.738e+04	-			
2.192e+044.467e+06											
8.486e+05 -5.511e+04	1.17e-03	0.0	64.0	8.821e+04	-2.827e+04	-259.26	5.738e+04	-			
3.852e+042.674e+06											
5.511e+048.486e+05						128.0	8.821e+04	-2.879e+04	-259.26	5.738e+04	-
66 76 6.414e+06 -3.538e+04	0.11	-1359.92	0.0	1.261e+05	-4.017e+04	-302.47	9.015e+04	-			
3.538e+046.414e+06											
1.186e+06 -7.410e+04	1.60e-03	0.0	64.0	1.261e+05	-4.085e+04	-302.47	9.015e+04	-			
5.474e+043.822e+06											
7.410e+041.186e+06						128.0	1.261e+05	-4.153e+04	-302.47	9.015e+04	-



66	77	1.597e+06	-1.011e+04	0.03	-1043.13	0.0	3.106e+04	-9407.12	-153.58	2.694e+04	-
1.011e+041.597e+06											
		3.263e+05	-2.977e+04	-7.31e-04	0.0	64.0	3.106e+04	-9928.69	-153.58	2.694e+04	-
1.994e+049.784e+05											
						128.0	3.106e+04	-1.045e+04	-153.58	2.694e+04	-
2.977e+043.263e+05											
66	80	4.743e+06	-2.539e+04	0.08	-1178.90	0.0	9.329e+04	-2.950e+04	-257.19	6.549e+04	-
2.539e+044.743e+06											
		8.914e+05	-5.831e+04	1.22e-03	0.0	64.0	9.329e+04	-3.009e+04	-257.19	6.549e+04	-
4.185e+042.836e+06											
						128.0	9.329e+04	-3.068e+04	-257.19	6.549e+04	-
5.831e+048.914e+05											
66	81	1.597e+06	-1.011e+04	0.03	-1043.13	0.0	3.106e+04	-9407.12	-153.58	2.694e+04	-
1.011e+041.597e+06											
		3.263e+05	-2.977e+04	-7.31e-04	0.0	64.0	3.106e+04	-9928.69	-153.58	2.694e+04	-
1.994e+049.784e+05											
						128.0	3.106e+04	-1.045e+04	-153.58	2.694e+04	-
2.977e+043.263e+05											
66	82	1.873e+06	-1.358e+04	0.03	-1178.90	0.0	3.615e+04	-1.116e+04	-151.51	3.506e+04	-
1.358e+041.873e+06											
		3.690e+05	-3.297e+04	-9.18e-04	0.0	64.0	3.615e+04	-1.175e+04	-151.51	3.506e+04	-
2.328e+041.140e+06											
						128.0	3.615e+04	-1.234e+04	-151.51	3.506e+04	-
3.297e+043.690e+05											
67	3	6.077e+06	3.182e+05	0.18	-1023.13	0.0	3.302e+04	-8.349e+04	4068.85	2.677e+05	-
2.026e+056.077e+06											
		-4.675e+06	-2.026e+05	-2.62e-03	0.0	64.0	3.302e+04	-	-	-	-
8.401e+044068.852.677e+055.780e+04 7.173e+05											
						128.0	3.302e+04	-8.452e+04	4068.85	2.677e+05	3.182e+05 -
4.675e+06											
67	6	9.019e+06	5.048e+05	0.28	-1898.42	0.0	4.963e+04	-1.223e+05	6448.50	4.372e+05	-
3.206e+059.019e+06											
		-6.755e+06	-3.206e+05	-4.06e-03	0.0	64.0	4.963e+04	-	-	-	-
1.232e+056448.504.372e+059.208e+04 1.162e+06											
						128.0	4.963e+04	-1.242e+05	6448.50	4.372e+05	5.048e+05 -
6.755e+06											
67	25	6.930e+05	1.223e+05	0.01	-1178.90	0.0	-2242.70	-1.094e+04	1494.31	8.817e+04	-
6.902e+046.930e+05											
		-7.841e+05	-6.902e+04	2.34e-03	0.0	64.0	-2242.70	-1.153e+04	1494.31	8.817e+04	2.662e+04 -
2.665e+04											
						128.0	-2242.70	-1.212e+04	1494.31	8.817e+04	1.223e+05 -
7.841e+05											
67	26	8.817e+05	7.238e+04	0.04	-1178.90	0.0	1.003e+04	-6367.66	1016.89	1.150e+05	-
5.779e+048.817e+05											
		-1.104e+04	-5.779e+04	-5.90e-04	0.0	64.0	1.003e+04	-	-	-	-
6957.11 1016.89 1.150e+05 7299.01 4.542e+05											
						128.0	1.003e+04	-7546.56	1016.89	1.150e+05	7.238e+04 -
1.104e+04											
67	27	6.843e+05	1.203e+05	0.01	-1178.90	0.0	-2431.25	-1.081e+04	1469.89	8.632e+04	-
6.785e+046.843e+05											
		-7.730e+05	-6.785e+04	2.28e-03	0.0	64.0	-2431.25	-1.140e+04	1469.89	8.632e+04	2.622e+04 -
2.551e+04											
						128.0	-2431.25	-1.199e+04	1469.89	8.632e+04	1.203e+05 -
7.730e+05											
67	29	6.929e+05	1.222e+05	0.01	-1178.90	0.0	-2250.70	-1.096e+04	1493.86	8.840e+04	-
6.905e+046.929e+05											
		-7.867e+05	-6.905e+04	2.35e-03	0.0	64.0	-2250.70	-1.155e+04	1493.86	8.840e+04	2.656e+04 -
2.805e+04											
						128.0	-2250.70	-1.213e+04	1493.86	8.840e+04	1.222e+05 -
7.867e+05											
67	57	7.195e+05	1.146e+05	0.02	-1178.90	0.0	-474.72	-1.024e+04	1420.22	9.165e+04	-
6.715e+047.195e+05											
		-6.675e+05	-6.715e+04	1.99e-03	0.0	64.0	-474.72	-	-	-	-
1.083e+041420.229.165e+042.375e+04 4.489e+04											
						128.0	-474.72	-1.142e+04	1420.22	9.165e+04	1.146e+05 -
6.675e+05											
67	58	8.516e+05	7.917e+04	0.04	-1178.90	0.0	8189.57	-7013.95	1080.66	1.107e+05	-
5.916e+048.516e+05											
		-1.230e+05	-5.916e+04	-4.64e-04	0.0	64.0	8189.57	-	-	-	-
7603.40 1080.66 1.107e+05 1.001e+04 3.832e+05											
						128.0	8189.57	-8192.85	1080.66	1.107e+05	7.917e+04 -
1.230e+05											
67	59	7.143e+05	1.135e+05	0.02	-1178.90	0.0	-587.75	-1.017e+04	1406.11	9.058e+04	-
6.648e+047.143e+05											
		-6.611e+05	-6.648e+04	1.96e-03	0.0	64.0	-587.75	-	-	-	-
1.076e+041406.119.058e+042.351e+04 4.550e+04											
						128.0	-587.75	-1.135e+04	1406.11	9.058e+04	1.135e+05 -
6.611e+05											
67	61	7.194e+05	1.146e+05	0.02	-1178.90	0.0	-479.45	-1.025e+04	1420.02	9.179e+04	-
6.717e+047.194e+05											



[illegible]







69	2	5.172e+06	3547.26	0.02	-2538.45	0.0	1.529e+05	-756.67	33.52	1.060e+04	-
743.705	172e+06										
	4.912e+06	-743.70	4.11e-05	0.0	64.0	1.529e+05	-				
2025.90	33.52	1.060e+04	1401.78	5.082e+06							
					128.0	1.529e+05	-				
3295.13	33.52	1.060e+04	3547.26	4.912e+06							
69	3	3.401e+06	4827.97	-8.44e-03	-						
1019.28	0.0	1.039e+05	509.64	0.0	0.0	4827.97	3.384e+06				
		3.384e+06	4827.97	-2.02e-							
04	0.0	64.0	1.039e+05	0.0	0.0	4827.97	3.401e+06				
						128.0	1.039e+05	-			
509.640	0.0	4827.97	3.384e+06								
69	6	5.667e+06	5773.33	0.01	-2202.09	0.0	1.704e+05	-			
317.0923	4.77417	2.72769	65	5.667e+06							
	5.486e+06	2769.65	-1.65e-04	0.0	64.0	1.704e+05	-				
1418.13	23.47	7417.27	4271.49	5.612e+06							
					128.0	1.704e+05	-				
2519.17	23.47	7417.27	5773.33	5.486e+06							
69	7	4.355e+06	6812.25	-0.01	-						
1019.28	0.0	1.339e+05	509.64	0.0	0.0	6812.25	4.338e+06				
		4.338e+06	6812.25	-2.86e-							
04	0.0	64.0	1.339e+05	0.0	0.0	6812.25	4.355e+06				
						128.0	1.339e+05	-			
509.640	0.0	6812.25	4.338e+06								
69	10	9.370e+05	-1266.11	9.48e-03	-1263.15	0.0	2.471e+04	1381.64	0.24	7503.73	-
1266.118	456e+05										
	8.456e+05	-1551.89	-6.47e-05	0.0	64.0	2.471e+04	750.07		0.24	7503.73	-
1409.009	115e+05										
						128.0	2.471e+04	118.49	0.24	7503.73	-
1551.899	370e+05										
69	11	9.668e+05	-923.40	-3.54e-03	-1263.15	0.0	2.421e+04	-928.85	13.16	-3265.29	-
2925.569	668e+05										
	7.717e+05	-2925.56	1.23e-04	0.0	64.0	2.421e+04	-1560.43		13.16	-3265.29	-
1924.488	895e+05										
						128.0	2.421e+04	-2192.00	13.16	-3265.29	-
923.407	717e+05										
69	27	1.126e+06	762.01	-0.02	-1263.15	0.0	2.439e+04	-3271.14	38.41	-1.449e+04	-
4250.141	126e+06										
	6.279e+05	-4250.14	2.68e-04	0.0	64.0	2.439e+04	-3902.71		38.41	-1.449e+04	-
1744.068	972e+05										
						128.0	2.439e+04	-4534.28	38.41	-	
1.449e+04	762.016	2.79e+05									
69	29	1.133e+06	916.66	-0.02	-1263.15	0.0	2.454e+04	-3271.14	38.41	-1.449e+04	-
4095.491	133e+06										
	6.345e+05	-4095.49	2.68e-04	0.0	64.0	2.454e+04	-3902.71		38.41	-1.449e+04	-
158											



6.980e+05 -3504.28 1.91e-04 0.0 64.0 2.451e+04 -2886.59 28.99 -9671.12											
1621.429.025e+05 128.0 2.451e+04 -3518.17 28.99 -											
9671.12 261.44 6.980e+05 324.43 -0.01 -1263.15 0.0 2.451e+04 -1813.25 30.83 -9227.55											
3567.271.039e+06 7.254e+05 -3567.27 2.41e-04 0.0 64.0 2.451e+04 -2444.82 30.83 -9227.55											
1621.429.025e+05 128.0 2.451e+04 -3076.40 30.83 -											
9227.55 324.43 7.254e+05 233.79 -0.01 -1263.15 0.0 2.442e+04 -1813.25 30.83 -9227.55											
3657.911.035e+06 7.214e+05 -3657.91 2.41e-04 0.0 64.0 2.442e+04 -2444.82 30.83 -9227.55											
1712.068.985e+05 128.0 2.442e+04 -3076.40 30.83 -											
9227.55 233.79 7.214e+05 2839.89 -6.22e-03 - 2839.89 2.484e+06											
1038.90 0.0 7.544e+04 519.45 0.0 2839.89 2.484e+06											
2.484e+06 2839.89 -1.19e-04 0.0 64.0 7.544e+04 0.0 0.0 0.0 2839.89 2.500e+06											
519.450.0 0.0 2839.89 2.484e+06 128.0 7.544e+04 -											
69 74 3.502e+06 2302.60 0.01 -1786.38 0.0 1.034e+05 -457.41 22.35 7064.06											
558.043.502e+06 3.329e+06 -558.04 2.74e-05 0.0 64.0 1.034e+05 -											
1350.60 22.35 7064.06 872.28 3.444e+06 128.0 1.034e+05 -											
2243.79 22.35 7064.06 2302.60 3.329e+06 69 75 3.128e+06 4145.34 -7.77e-03 -											
1038.90 0.0 9.522e+04 519.45 0.0 0.0 4145.34 3.111e+06											
04 0.0 64.0 9.522e+04 4145.34 -1.74e-04 0.0 4145.34 3.128e+06											
519.450.0 0.0 4145.34 3.111e+06 128.0 9.522e+04 -											
69 76 3.824e+06 3769.24 8.36e-03 -1562.14 0.0 1.148e+05 -											
164.3515.644944.841766.79 3.824e+06 3.703e+06 1766.79 -1.06e-04 0.0 64.0 1.148e+05 -											
945.4215.644944.842768.02 3.789e+06 128.0 1.148e+05 -											
1726.49 15.64 4944.84 3769.24 3.703e+06 69 77 1.119e+06 -32.10 -2.81e-03 -1038.90 0.0 3.191e+04 519.45 0.0 0.0											
32.101.103e+06 1.103e+06 -32.10 1.35e-06 0.0 64.0 3.191e+04 0.0 0.0 0.0											
32.101.119e+06 128.0 3.191e+04 -519.45 0.0 0.0											
32.101.103e+06 69 78 1.612e+06 -300.74 5.97e-03 -1412.64 0.0 4.587e+04 31.02 11.17 3532.03											
1731.061.612e+06 1.526e+06 -1731.06 4.95e-05 0.0 64.0 4.587e+04 -675.30 11.17 3532.03											
1015.901.591e+06 128.0 4.587e+04 -1381.62 11.17 3532.03											
300.741.526e+06 69 79 2.500e+06 2839.89 -6.22e-03 -											
1038.90 0.0 7.544e+04 519.45 0.0 0.0 2839.89 2.484e+06											
2.484e+06 2839.89 -1.19e-04 0.0 64.0 7.544e+04 0.0 0.0 0.0 2839.89 2.500e+06											
519.450.0 0.0 2839.89 2.484e+06 128.0 7.544e+04 -											
69 80 2.792e+06 2678.71 -5.26e-03 -											
1263.15 0.0 8.381e+04 226.39 6.70 2119.22 1820.51 2.789e+06											
2.737e+06 1820.51 -9.02e-05 0.0 64.0 8.381e+04 -											
405.186.702119.22 2249.61 2.783e+06 128.0 8.381e+04 -											
1036.75 6.70 2119.22 2678.71 2.737e+06 69 81 1.119e+06 -32.10 -2.81e-03 -1038.90 0.0 3.191e+04 519.45 0.0 0.0											
32.101.103e+06 1.103e+06 -32.10 1.35e-06 0.0 64.0 3.191e+04 0.0 0.0 0.0											
32.101.119e+06 128.0 3.191e+04 -519.45 0.0 0.0											
32.101.103e+06 69 82 1.411e+06 -193.28 3.58e-03 -1263.15 0.0 4.029e+04 226.39 6.70 2119.22											
1051.481.408e+06 1.356e+06 -1051.48 3.02e-05 0.0 64.0 4.029e+04 -405.18 6.70 2119.22											
622.381.403e+06 128.0 4.029e+04 -1036.75 6.70 2119.22											
193.281.356e+06 70 2 6.500e+06 2.464e+04 0.13 -2082.96 0.0 1.222e+05 -3.721e+04 52.49 -											
7.171e+041.792e+046.500e+06 1.604e+06 1.792e+04 -4.10e-03 0.0 64.0 1.222e+05 -3.825e+04 52.49 -											
7.171e+042.128e+044.085e+06											



7.171e+042.464e+041.604e+06						128.0	1.222e+05	-3.929e+04	52.49	-
70 3 4.379e+06 4.368e+04	0.08	-1019.28	0.0	8.464e+04	-2.484e+04	166.42			-	
9.250e+042.237e+044.379e+06										
1.133e+06 2.237e+04	-3.46e-03	0.0	64.0	8.464e+04	-2.535e+04	166.42			-	
9.250e+043.303e+042.772e+06										
			128.0	8.464e+04	-2.586e+04	166.42			-	
9.250e+044.368e+041.133e+06										
70 6 7.202e+06 4.811e+04	0.14	-1883.24	0.0	1.372e+05	-4.126e+04	164.86			-	
1.106e+052.701e+047.202e+06										
1.800e+06 2.701e+04	-4.94e-03	0.0	64.0	1.372e+05	-4.220e+04	164.86			-	
1.106e+053.756e+044.531e+06										
			128.0	1.372e+05	-4.315e+04	164.86			-	
1.106e+054.811e+041.800e+06										
70 7 5.618e+06 6.305e+04	0.10	-1019.28	0.0	1.092e+05	-3.213e+04	256.38			-	
1.259e+053.023e+045.618e+06										
1.439e+06 3.023e+04	-4.62e-03	0.0	64.0	1.092e+05	-3.264e+04	256.38			-	
1.259e+054.664e+043.545e+06										
			128.0	1.092e+05	-3.315e+04	256.38			-	
1.259e+056.305e+041.439e+06										
70 26 1.078e+06 -2814.20	0.05	-1172.05	0.0	2.463e+04	-2257.93	-89.83	2.555e+04	-		
2814.201.078e+06										
7.181e+05 -1.430e+04	-1.03e-03	0.0	64.0	2.463e+04	-2843.95	-89.83	2.555e+04	-		
8556.649.168e+05										
			128.0	2.463e+04	-3429.97	-89.83	2.555e+04	-		
1.430e+047.181e+05										
70 27 1.164e+06 -492.75	-1.97e-03	-1172.05	0.0	1.401e+04	-9161.00	-141.91	-6073.06	-		
492.751.164e+06										
-8.815e+04 -1.867e+04	3.39e-04	0.0	64.0	1.401e+04	-9747.02	-141.91	-6073.06	-		
9581.695.565e+05										
			128.0	1.401e+04	-1.033e+04	-141.91	-6073.06	-1.867e+04	-	
8.815e+04										
70 29 1.171e+06 -286.22	-1.91e-03	-1172.05	0.0	1.415e+04	-9239.89	-148.45	-5753.24	-		
286.221.171e+06										
-8.711e+04 -1.931e+04	3.53e-04	0.0	64.0	1.415e+04	-9825.91	-148.45	-5753.24	-		
9798.735.609e+05										
			128.0	1.415e+04	-1.041e+04	-148.45	-5753.24	-1.931e+04	-	
8.711e+04										
70 58 1.090e+06 -2457.07	0.04	-1172.05	0.0	2.309e+04	-3254.22	-97.47	2.096e+04	-		
2457.071.090e+06										
6.008e+05 -1.493e+04	-8.96e-04	0.0	64.0	2.309e+04	-3840.24	-97.47	2.096e+04	-		
8691.428.641e+05										
			128.0	2.309e+04	-4426.26	-97.47	2.096e+04	-		
1.493e+046.008e+05										
70 59 1.152e+06 -849.89	5.90e-03	-1172.05	0.0	1.555e+04	-8164.71	-134.27	-1482.73	-		
849.891.152e+06										
2.912e+04 -1.804e+04	2.67e-04	0.0	64.0	1.555e+04	-8750.74	-134.27	-1482.73	-		
9446.926.092e+05										
			128.0	1.555e+04	-9336.76	-134.27	-1482.73	-		
1.80										



[illegible]



[illegible]



										128.0	2.831e+04	4931.66	-		
35.323.574e+041.391e+041.305e+06															
72	7	1.498e+06	2.713e+04	-0.03	-848.21	0.0	3.261e+04	6186.73	-						
67.064.982e+042.713e+047.605e+05															
		7.605e+05	1.854e+04	-1.27e-03	0.0	64.0	3.261e+04	5762.63	-						
67.064.982e+042.284e+041.143e+06															
						128.0	3.261e+04	5338.52	-						
67.064.982e+041.854e+041.498e+06															
72	9	1.109e+06	1156.59	-0.03	-878.44	0.0	2.717e+04	5589.02	102.53	-9465.72	-				
1.200e+044.721e+05															
		4.721e+05	-1.200e+04	-2.47e-04	0.0	64.0	2.717e+04	5149.80	102.53	-9465.72	-				
5422.018.048e+05															
						128.0	2.717e+04	4710.58	102.53	-	-				
9465.72 1156.59 1.109e+06															
72	13	1.111e+06	1121.09	-0.03	-878.44	0.0	2.696e+04	5734.78	102.45	-9710.95	-				
1.204e+044.552e+05															
		4.552e+05	-1.204e+04	-2.39e-04	0.0	64.0	2.696e+04	5295.56	102.45	-9710.95	-				
5457.577.973e+05															
						128.0	2.696e+04	4856.34	102.45	-	-				
9710.95 1121.09 1.111e+06															
72	26	1.211e+06	-273.97	0.02	-878.44	0.0	1.794e+04	1.127e+04	64.50	989.06	-8426.54	-			
1.689e+05															
		-1.689e+05	-8426.54	-6.45e-04	0.0	64.0	1.794e+04	1.083e+04	64.50	989.06	-				
4350.255.349e+05															
						128.0	1.794e+04	1.039e+04	64.50	989.06	-				
273.971.211e+06															
72	28	1.218e+06	-713.54	0.02	-878.44	0.0	1.783e+04	1.116e+04	49.43	1409.48	-6935.18	-			
1.605e+05															
		-1.605e+05	-6935.18	-6.14e-04	0.0	64.0	1.783e+04	1.072e+04	49.43	1409.48	-				
3824.365.431e+05															
						128.0	1.783e+04	1.028e+04	49.43	1409.48	-				
713.541.218e+06															
72	29	1.070e+06	997.77	-0.05	-878.44	0.0	3.198e+04	2316.01	92.72	-1.451e+04	-				
1.098e+048.326e+05															
		8.326e+05	-1.098e+04	2.29e-04	0.0	64.0	3.198e+04	1876.79	92.72	-1.451e+04	-				
4991.369.654e+05															
						128.0	3.198e+04	1437.57	92.72	-	-				
1.451e+04997.771.070e+06															
72	32	1.218e+06	-573.40	0.02	-878.44	0.0	1.780e+04	1.119e+04	52.65	1582.28	-7203.02	-			
1.607e+05															
		-1.607e+05	-7203.02	-6.21e-04	0.0	64.0	1.780e+04	1.075e+04	52.65	1582.28	-				
3888.215.426e+05															
						128.0	1.780e+04	1.031e+04	52.65	1582.28	-				
573.401.218e+06															
72	45	1.122e+06	761.51	-0.02	-878.44	0.0	2.634e+04	6006.68	90.62	-8678.98	-				
1.087e+044.224e+05															
		4.224e+05	-1.087e+04	-2.50e-04	0.0	64.0	2.634e+04	5567.46	90.62	-8678.98	-	</			



72	73	1.154e+06	9808.56	-0.02	-850.64	0.0	2.494e+04	5594.11	-				
3.412.188e+049808.564.924e+05													
		4.924e+05	9372.67	-6.44e-04	0.0	64.0	2.494e+04	5168.79	-				
3.412.188e+049590.618.368e+05													
						128.0	2.494e+04	4743.47	-				
3.412.188e+049372.671.154e+06													
72	74	2.391e+06	9355.47	-0.03	-								
943.300.05.300e+041.213e+04 41.41 2.006e+04 4054.828.987e+05													
		8.987e+05	4054.82	-6.29e-									
04	0.0	64.0	5.300e+04	1.166e+04	41.41	2.006e+04	6705.15	1.660e+06					
							128.0	5.300e+04	1.118e+04	41.41	2.006e+04	9355.47	2.3
91e+06													
72	75	1.281e+06	1.553e+04	-0.02	-850.64	0.0	2.777e+04	5861.78	-				
24.293.115e+041.553e+045.852e+05													
		5.852e+05	1.242e+04	-8.46e-04	0.0	64.0	2.777e+04	5436.46	-				
24.293.115e+041.398e+049.467e+05													
						128.0	2.777e+04	5011.14	-				
24.293.115e+041.242e+041.281e+06													
72	77	8.745e+05	2658.77	-0.02	-850.64	0.0	1.873e+04	5005.23	42.54	1493.46	-		
2785.852.883e+05													
		2.883e+05	-2785.85	-3.07e-04	0.0	64.0	1.873e+04	4579.91	42.54	1493.46	-		
63.545.950e+05													
						128.0	1.873e+04	4154.59	42.54	1493.46	2658.77	8.7	
45e+05													
72	78	1.493e+06	2650.17	-0.02	-896.97	0.0	3.276e+04	8271.97	64.94	584.97	-		
5662.724.914e+05													
		4.914e+05	-5662.72	-3.63e-04	0.0	64.0	3.276e+04	7823.49	64.94	584.97	-		
1506.281.006e+06													
						128.0	3.276e+04	7375.00	64.94	584.97	2650.17	1.4	
93e+06													
72	79	1.154e+06	9808.56	-0.02	-850.64	0.0	2.494e+04	5594.11	-				
3.412.188e+049808.564.924e+05													
		4.924e+05	9372.67	-6.44e-04	0.0	64.0	2.494e+04	5168.79	-				
3.412.188e+049590.618.368e+05													
						128.0	2.494e+04	4743.47	-				
3.412.188e+049372.671.154e+06													
72	80	1.525e+06	9367.51	-0.02	-								
878.440.03.336e+047554.16 10.04 2.134e+04 8082.446.143e+05													
		6.143e+05	8082.44	-6.35e-									
04	0.0	64.0	3.336e+04	7114.94	10.04	2.134e+04	8724.97	1.084e+06					
							128.0	3.336e+04	6675.72	10.04	2.134e+04	9367.51	1.5
25e+06													
72	81	8.745e+05	2658.77	-0.02	-850.64	0.0	1.873e+04	5005.23	42.54	1493.46	-		
2785.852.883e+05													
		2.883e+05	-2785.85	-3.07e-04	0.0	64.0	1.873e+04	4579.91	42.54	1493.46	-		
63.545.950e+05													
						128.0	1.873e+04	4154.59	42.54	1493.46	2658.77	8.7	
45e+05													
72	82	1.246e+06	2653.61	-0.02	-878.44	0.0	2.715e+04	6965.28	55.98	948.37	-		
4511.974.102e+05													
		4.102e+05	-4511.97	-3.41e-04	0.0	64.0	2.715e+04	6526.06	55.98	948.37	-		
929.188.419e+05													
						128.0	2.715e+04	6086.84	55.98	948.37			



8.108e+05	305.17	-5.66e-05	0.0	64.0	2.974e+04	1012.87	-			
4.894414.69682.308.799e+05										
					128.0	2.974e+04	573.65	-		
4.894414.69305.179.209e+05										
73 11 1.000e+06	676.08	-5.30e-03	-878.44	0.0	2.931e+04	-1461.41	9.54	-2340.36	-	
673.681.000e+06										
7.763e+05	-673.68	7.43e-05	0.0	64.0	2.931e+04	-1900.63	9.54	-		
2340.36 1.20 9.022e+05										
					128.0	2.931e+04	-2339.85	9.54	-	
2340.36 676.08 7.763e+05										
73 25 1.189e+06	3096.55	-0.03	-878.44	0.0	2.959e+04	-4448.41	41.75	-7125.09	-	
2208.731.189e+06										
5.579e+05	-2208.73	1.75e-04	0.0	64.0	2.959e+04	-4887.63	41.75	-		
7125.09 443.91 8.877e+05										
					128.0	2.959e+04	-5326.85	41.75	-	
7125.09 3096.55 5.579e+05										
73 31 1.196e+06	2892.22	-0.03	-878.44	0.0	2.946e+04	-4448.41	41.75	-7125.09	-	
2413.051.196e+06										
5.646e+05	-2413.05	1.75e-04	0.0	64.0	2.946e+04	-4887.63	41.75	-		
7125.09 239.58 8.944e+05										
					128.0	2.946e+04	-5326.85	41.75	-	
7125.09 2892.22 5.646e+05										
73 33 1.158e+06	3240.22	-0.03	-878.44	0.0	2.959e+04	-3962.06	43.99	-8129.71	-	
2352.391.158e+06										
5.890e+05	-2352.39	1.87e-04	0.0	64.0	2.959e+04	-4401.28	43.99	-		
8129.71 443.91 8.877e+05										
					128.0	2.959e+04	-4840.50	43.99	-	
8129.71 3240.22 5.890e+05										
73 39 1.165e+06	3035.89	-0.03	-878.44	0.0	2.946e+04	-3962.06	43.99	-8129.71	-	
2556.721.165e+06										
5.957e+05	-2556.72	1.87e-04	0.0	64.0	2.946e+04	-4401.28	43.99	-		
8129.71 239.58 8.944e+05										
					128.0	2.946e+04	-4840.50	43.99	-	
8129.71 3035.89 5.957e+05										
73 42 9.018e+05	790.75	0.01	-878.44	0.0	2.965e+04	1019.63	-			
3.263332.67790.758.390e+05										
8.390e+05	299.18	-3.84e-05	0.0	64.0	2.965e+04	580.41	-			
3.263332.67544.978.845e+05										
					128.0	2.965e+04	141.19	-		
3.263332.67299.189.018e+05										
73 43 9.718e+05	682.07	-3.45e-03	-878.44	0.0	2.940e+04	-1028.95	7.92	-1258.33	-	
405.019.718e+05										
7.954e+05	-405.01	5.38e-05	0.0	64.0	2.940e+04	-1468.17	7.92	-		
1258.33 138.53 8.976e+05										
					128.0	2.940e+04	-1907.39	7.92	-	
1258.33 682.07 7.954e+05										
73 57 1.108e+06	2320.47	-0.02	-878.44	0.0	2.956e+04	-3172.06	30.14	-4785.76	-	
1515.051.108e+06										
6.422e+05	-1515.05	1.25e-04	0.0	64.0	2.956e+04	-3611.28	30.14	-		
4785.76 402.71 8.891e+05										
					128.0	2.956e+04	-4050.50	30.14	-	
4785.76 2320.47 6.422e+05										
73 63 1.112e+06	2198.54	-0.02	-878.44	0.0	2.949e+04	-3172.06	30.14	-4785.76	-	
1636.981.112e+06										
6.461e+05	-1636.98	1.25e-04	0.0	64.0	2.949e+04	-3611.28	30.14	-		
4785.76 280.78 8.930e+05										
					128.0	2.949e+04	-4050.50	30.14	-	
4785.76 2198.54 6.461e+05										
73 65 1.086e+06	2424.07	-0.02	-878.44	0.0	2.956e+04	-2825.99	31.76	-5503.54	-	
1618.651.086e+06										
6.643e+05	-1618.65	1.33e-04	0.0	64.0	2.956e+04	-3265.21	31.76	-		
5503.54 402.71 8.891e+05										
					128.0	2.956e+04	-3704.43	31.76	-	
5503.54 2424.07 6.643e+05										
73 71 1.090e+06	2302.14	-0.02	-878.44	0.0	2.949e+04	-2825.99	31.76	-5503.54	-	
1740.581.090e+06										
6.683e+05	-1740.58	1.33e-04	0.0	64.0	2.949e+04	-3265.21	31.76	-		
5503.54 280.78 8.930e+05										
					128.0	2.949e+04	-3704.43	31.76	-	
5503.54 2302.14 6.683e+05										
73 73 9.573e+05	5514.65	-2.40e-03	-							
850.640.02.915e+04 425.32	0.0	0.0	5514.659.437e+05							
9.437e+05	5514.65	-2.31e-								
04 0.0 64.0 2.915e+04	0.0	0.0	0.0	5514.65	9.573e+05					
				128.0	2.915e+04	-				
425.320.0 0.0 5514.65 9.437e+05										
73 74 1.977e+06	5923.47	0.02	-943.30	0.0	6.117e+04	-				
1007.95 7.75 3457.22	4930.94	1.977e+06								
1.787e+06	4930.94	-2.06e-04	0.0	64.0	6.117e+04	-				
1479.60 7.75 3457.22	5427.21	1.897e+06								



										128.0	6.117e+04	-				
1951.25	7.75	3457.22	5923.47	1.787e+06												
73	76	1.783e+06	7516.38	0.01	-915.51	0.0	5.464e+04	-								
577.975.432420.06 6821.61 1.783e+06																
		1.650e+06	6821.61	-2.86e-04	0.0	64.0	5.464e+04	-								
1035.72	5.43	2420.06	7169.00	1.731e+06												
										128.0	5.464e+04	-				
1493.47	5.43	2420.06	7516.38	1.650e+06												
73	77	7.019e+05	1740.43	-1.77e-03	-											
850.640.02.238e+04 425.32 0.0 0.0										1740.436.883e+05						
		6.883e+05	1740.43	-7.30e-												
05	0.0	64.0	2.238e+04	0.0	0.0	1740.43	7.019e+05									
										128.0	2.238e+04	-				
425.320.0	0.0	1740.43	6.883e+05													
73	78	1.205e+06	1944.83	7.81e-03	-896.97	0.0	3.839e+04	-								
291.313.881728.61 1448.57 1.205e+06																
		1.110e+06	1448.57	-6.06e-05	0.0	64.0	3.839e+04	-								
739.803.881728.61 1696.70 1.172e+06																
										128.0	3.839e+04	-				
1188.29	3.88	1728.61	1944.83	1.110e+06												
73	80	1.254e+06	5637.30	4.69e-03	-878.44	0.0	3.876e+04	-								
4.662.331037.17 5339.54 1.254e+06																
		1.197e+06	5339.54	-2.24e-04	0.0	64.0	3.876e+04	-								
443.882.331037.17 5488.42 1.239e+06																
										128.0	3.876e+04	-				
883.102.331037.17	5637.30	1.197e+06														
73	81	7.019e+05	1740.43	-1.77e-03	-											
850.640.02.238e+04 425.32 0.0 0.0										1740.436.883e+05						
		6.883e+05	1740.43	-7.30e-												
05	0.0	64.0	2.238e+04	0.0	0.0	1740.43	7.019e+05									
										128.0	2.238e+04	-				
425.320.0	0.0	1740.43	6.883e+05													
73	82	9.983e+05	1863.07	4.69e-03	-878.44	0.0	3.199e+04	-								
4.662.331037.17 1565.32 9.983e+05																
		9.415e+05	1565.32	-6.56e-05	0.0	64.0	3.199e+04	-								
443.882.331037.17 1714.19 9.839e+05																
										128.0	3.199e+04	-				
883.102.331037.17	1863.07	9.415e+05														
74	2	3.481e+06	1.230e+04	0.08	-1232.72	0.0	7.240e+04	-1.836e+04	-25.95	-						
2.133e+041.230e+043.481e+06																
		1.052e+06	8980.31	8.12e-04	0.0	64.0	7.240e+04	-1.898e+04	-25.95	-						
2.133e+041.064e+042.287e+06																
										128.0	7.240e+04	-1.960e+04	-25.95	-		
2.133e+048980.311.052e+06																
74	3	1.305e+06	1.843e+04	0.02	-848.21	0.0	2.831e+04	-4931.66	35.32	-						
3.574e+041.391e+041.305e+06																
		6.194e+05	1.391e+04	5.06e-04	0.0	64.0	2.831e+04	-5355.77	35.32	-						
3.574e+041.617e+049.758e+05																
										128.0	2.831e+04	-5779.87	35.32	-		
3.574e+041.843e+046.194e+05																
74	7	1.498e+06	2.713e+04	0.03	-848.21	0.0	3.261e+04	-5338.52	67.06	-						
4.982e+041.854e+041.498e+06																
		7.605e+05	1.854e+04	-6.77e-04	0.0	64.0	3.261e+04	-5762.63	67.06	-						
4.982e+042.284e+041.143e+06																
										128.0	3.261e+04	-6186.73	67.06	-		
4.982e+042.713e+047.605e+05																
74	18	1.107e+06	831.56	0.04	-867.15	0.0	2.614e+04	-5115.97	-							
96.841.134e+04831.561.107e+06																
		4.182e+05	-1.160e+04	3.98e-04	0.0	64.0	2.614e+04	-5549.54	-96.84	1.134e+04	-					
5382.797.763e+05																
										128.0	2.614e+04	-5983.12	-96.84	1.134e+04	-	
1.160e+044.182e+05																
74	22	1.108e+06	796.06	0.04	-867.15	0.0	2.592e+04	-5261.74	-							
96.761.158e+04796.061.108e+06																
		4.013e+05	-1.163e+04	3.93e-04	0.0	64.0	2.592e+04	-5695.31	-96.76	1.158e+04	-					
5418.347.687e+05																
										128.0	2.592e+04	-6128.88	-96.76	1.158e+04	-	
1.163e+044.013e+05																
74	26	1.067e+06	672.74	0.06	-867.15	0.0	3.094e+04	-1842.96	-							
87.031.639e+04672.741.067e+06																
		7.787e+05	-1.058e+04	2.03e-04	0.0	64.0	3.094e+04	-2276.53	-87.03	1.639e+04	-					
4952.149.368e+05																
										128.0	3.094e+04	-2710.11	-87.03	1.639e+04	-	
1.058e+047.787e+05																
74	27	1.215e+06	-898.43	-0.01	-867.15	0.0	1.676e+04	-1.071e+04	-46.96	289.90	-					
898.431.215e+06																
		-2.147e+05	-6799.54	6.37e-04	0.0	64.0	1.676e+04	-1.115e+04	-46.96	289.90	-					
3848.995.141e+05																
										128.0	1.676e+04	-1.158e+04	-46.96	289.90	-6799.54	-
2.147e+05																



74	29	1.208e+06	-599.00	-0.01	-867.15	0.0	1.690e+04	-1.079e+04	-58.81	883.11	-
599.001.208e+06											
		-2.228e+05	-8023.06	6.67e-04	0.0	64.0	1.690e+04	-1.123e+04	-58.81	883.11	-
4311.035.063e+05											
						128.0	1.690e+04	-1.166e+04	-58.81	883.11	-8023.06
2.228e+05											
74	31	1.216e+06	-1038.57	-0.01	-867.15	0.0	1.679e+04	-1.069e+04	-43.74	462.70	-
1038.571.216e+06											
		-2.144e+05	-6531.71	6.29e-04	0.0	64.0	1.679e+04	-1.112e+04	-43.74	462.70	-
3785.145.145e+05											
						128.0	1.679e+04	-1.155e+04	-43.74	462.70	-6531.71
2.144e+05											
74	54	1.120e+06	436.48	0.03	-867.15	0.0	2.531e+04	-5533.63	-		
84.931.055e+04436.481.120e+06											
		3.685e+05	-1.047e+04	3.83e-04	0.0	64.0	2.531e+04	-5967.21	-84.93	1.055e+04	-
5014.987.579e+05											
						128.0	2.531e+04	-6400.78	-84.93	1.055e+04	-
1.047e+043.685e+05											
74	58	1.089e+06	400.04	0.05	-867.15	0.0	2.889e+04	-3117.52	-		
79.501.400e+04400.041.089e+06											
		6.361e+05	-9850.09	2.49e-04	0.0	64.0	2.889e+04	-3551.09	-79.50	1.400e+04	-
4725.038.764e+05											
						128.0	2.889e+04	-3984.67	-79.50	1.400e+04	-
9850.096.361e+05											
74	59	1.193e+06	-625.73	-2.04e-03	-867.15	0.0	1.882e+04	-9438.67	-54.49	2670.68	-
625.731.193e+06											
		-7.204e+04	-7526.47	5.60e-04	0.0	64.0	1.882e+04	-9872.24	-54.49	2670.68	-
4076.105.745e+05											
						128.0	1.882e+04	-1.031e+04	-54.49	2670.68	-7526.47
7.204e+04											
74	61	1.189e+06	-446.40	-1.99e-03	-867.15	0.0	1.890e+04	-9486.55	-61.60	3021.10	-
446.401.189e+06											
		-7.692e+04	-8260.15	5.79e-04	0.0	64.0	1.890e+04	-9920.13	-61.60	3021.10	-
4353.275.699e+05											
						128.0	1.890e+04	-1.035e+04	-61.60	3021.10	-8260.15
7.692e+04											
74	62	1.089e+06	484.51	0.05	-867.15	0.0	2.888e+04	-3132.58	-		
81.441.390e+04484.511.089e+06											
		6.359e+05	-1.001e+04	2.53e-04	0.0	64.0	2.888e+04	-3566.16	-81.44	1.390e+04	-
4763.378.761e+05											
						128.0	2.888e+04	-3999.73	-81.44	1.390e+04	-
1.001e+046.359e+05											
74	63	1.194e+06	-710.20	-2.14e-03	-867.15	0.0	1.883e+04	-9423.60	-52.55	2777.26	-
710.201.194e+06											
		-7.184e+04	-7365.31	5.55e-04	0.0	64.0	1.883e+04	-9857.18	-52.55	2777.26	-
4037.755.748e+05											
						128.0	1.883e+04	-1.029e+04	-52.55	2777.26	-7365.31
7.184e+04											
74	73	1.154e+06	9808.56	0.02	-850.64	0.0	2.494e+04	-4743.47	3.41	-	
2.188e+049372.671.154e+06											
		4.924e+05	9372.67	4.28e-04	0.0	64.0	2.494e+04	-5168.79	3.41	-	
2.188e+049590.618.368e+05											
						128.0	2.494e+04	-5594.11	3.41	-	
2.188e+049808.564.924e+05											
74	74	2.381e+06	8272.04	0.06	-905.66	0.0	4.955e+04	-1.254e+04	-22.44	-	
1.382e+048272.042.381e+06											
		7.189e+05	5399.74	5.67e-04	0.0	64.0	4.955e+04	-1.299e+04			



2.188e+049590.618.368e+05	4.924e+05	9372.67	4.28e-04	0.0	64.0	2.494e+04	-5168.79	3.41	-	
2.188e+049808.564.924e+05					128.0	2.494e+04	-5594.11	3.41	-	
74 80 1.522e+06	9042.48	0.03	-867.15	0.0	3.232e+04	-7081.11	-4.35	-	-	
1.946e+049042.481.522e+06										
5.604e+05	8485.91	4.70e-04	0.0	64.0	3.232e+04	-7514.68	-4.35	-	-	
1.946e+048764.201.055e+06					128.0	3.232e+04	-7948.26	-4.35	-	
1.946e+048485.915.604e+05										
74 81 8.745e+05	2658.77	0.02	-850.64	0.0	1.873e+04	-4154.59	-42.54	-	-	
1493.462658.77 8.745e+05										
2.883e+05	-2785.85	3.07e-04	0.0	64.0	1.873e+04	-4579.91	-42.54	-1493.46	-	
63.545.950e+05					128.0	1.873e+04	-5005.23	-42.54	-1493.46	-
2785.852.883e+05										
74 82 1.243e+06	2328.58	0.03	-867.15	0.0	2.611e+04	-6492.23	-	-	-	
50.29923.812328.581.243e+06										
3.562e+05	-4108.49	3.49e-04	0.0	64.0	2.611e+04	-6925.80	-50.29	923.81	-	
889.968.134e+05					128.0	2.611e+04	-7359.38	-50.29	923.81	-
4108.493.562e+05										
75 2 3.221e+06	3.111e+04	0.13	-1232.72	0.0	2.985e+04	-3.189e+04	-538.92	-	-	
4.581e+043.111e+043.221e+06										
-9.393e+05 -3.787e+04	1.75e-03	0.0	64.0	2.985e+04	-3.251e+04	-538.92	-4.581e+04	-	-	
3381.351.161e+06					128.0	2.985e+04	-3.312e+04	-538.92	-4.581e+04	-3.787e+04
9.393e+05										
75 3 1.279e+06	5.126e+04	0.04	-848.21	0.0	1.503e+04	-9637.56	-941.63	-	-	
7.987e+045.126e+041.279e+06										
-9144.99 -6.927e+04	1.66e-03	0.0	64.0	1.503e+04	-1.006e+04	-941.63	-7.987e+04	-	-	
9007.156.484e+05					128.0	1.503e+04	-1.049e+04	-941.63	-7.987e+04	-6.927e+04
9144.99										
75 7 1.465e+06	7.288e+04	0.05	-848.21	0.0	1.827e+04	-1.026e+04	-1344.75	-	-	
1.138e+057.288e+041.465e+06										
9.765e+04 -9.924e+04	2.18e-03	0.0	64.0	1.827e+04	-1.068e+04	-1344.75	-1.138e+05	-	-	
1.318e+047.951e+05					128.0	1.827e+04	-1.111e+04	-1344.75	-1.138e+05	-
9.924e+049.765e+04										
75 26 1.229e+06	5120.96	0.08	-867.15	0.0	2.246e+04	-7599.28	147.14	3.752e+04	-	
1.368e+041.229e+06										
1.979e+05 -1.368e+04	-3.21e-04	0.0	64.0	2.246e+04	-8032.85	147.14	3.752e+04	-	-	
4279.847.276e+05					128.0	2.246e+04	-	-	-	
8466.43 147.14 3.752e+04	5120.96	1.979e+05								
75 29 9.462e+05	4.579e+04	-4.03e-03	-867.15	0.0	-5766.10	-1.641e+04	510.80	1.686e+04	-	
1.963e+049.462e+05										
-1.205e+06 -1.963e+04	1.23e-03	0.0	64.0	-5766.10	-1.684e+04	510.80	1.686e+04	1.308e+04	-	
1.153e+05					128.0	-5766.10	-1.728e+04	510.80	1.686e+04	4.579e+04
1.205e+06										



1795.99							128.0	1.835e+04	-9713.58	195.91	3.397e+04	1.078e+04	-
75	61	9.873e+05	3.919e+04	8.02e-03	-867.15	0.0	-1748.01	-1.511e+04		449.37	1.924e+04		-
1.835e+04	9.873e+05												
		-9.997e+05	-1.835e+04	9.97e-04	0.0	64.0	-1748.01	-					
1.555e+04	4449.37	1.924e+04	1.042e+04	7680.91									
							128.0	-1748.01	-1.598e+04	449.37	1.924e+04	3.919e+04	-
9.997e+05													
75	62	1.184e+06	1.058e+04	0.07	-867.15	0.0	1.837e+04	-8869.64		194.65	3.407e+04		-
1.432e+04	1.184e+06												
		-4139.53	-1.432e+04	-1.16e-04	0.0	64.0	1.837e+04	-9303.22		194.65	3.407e+04		-
1867.426	0.36e+05												
							128.0	1.837e+04	-9736.79	194.65	3.407e+04	1.058e+04	-
4139.53													
75	63	9.914e+05	3.798e+04	7.73e-03	-867.15	0.0	-1901.27	-1.502e+04		431.66	1.739e+04		-
1.729e+04	9.914e+05												
		-9.899e+05	-1.729e+04	9.66e-04	0.0	64.0	-1901.27	-					
1.546e+04	431.66	1.739e+04	1.034e+04	1.464e+04									
							128.0	-1901.27	-1.589e+04	431.66	1.739e+04	3.798e+04	-
9.899e+05													
75	65	1.005e+06	4.278e+04	9.21e-03	-867.15	0.0	-722.30	-1.476e+04		482.33	1.868e+04		-
1.897e+04	1.005e+06												
		-9.410e+05	-1.897e+04	1.08e-03	0.0	64.0	-722.30	-					
1.519e+04	482.33	1.868e+04	1.190e+04	4.590e+04									
							128.0	-722.30	-1.562e+04	482.33	1.868e+04	4.278e+04	-
9.410e+05													
75	69	1.001e+06	4.258e+04	9.40e-03	-867.15	0.0	-702.32	-1.478e+04		481.07	1.878e+04		-
1.901e+04	1.001e+06												
		-9.434e+05	-1.901e+04	1.08e-03	0.0	64.0	-702.32	-					
1.521e+04	481.07	1.878e+04	1.179e+04	4.251e+04									
							128.0	-702.32	-1.565e+04	481.07	1.878e+04	4.258e+04	-
9.434e+05													
75	73	1.134e+06	2.991e+04	0.04	-850.64	0.0	1.218e+04	-9445.62		-543.31			-
4.642e+04	2.991e+04	1.134e+06											
		-1.300e+05	-3.963e+04	1.17e-03	0.0	64.0	1.218e+04	-9870.94		-543.31	-4.642e+04		-
4858.255	1.54e+05												
							128.0	1.218e+04	-1.030e+04	-543.31	-4.642e+04	-3.963e+04	-
1.300e+05													
75	74	2.208e+06	1.980e+04	0.09	-905.66	0.0	2.035e+04	-2.188e+04		-340.49			-
2.900e+04	1.980e+04	2.208e+06											
		-6.509e+05	-2.379e+04	1.20e-03	0.0	64.0							



75	82	1.186e+06	8503.94	0.04	-867.15	0.0	9939.24	-1.227e+04	100.99	7882.40	-
4422.861	1.186e+06										
	-4.408e+05	-4422.86	6.07e-04		0.0	64.0	9939.24	-			
1.271e+04	100.99	7882.40	2040.54	3.863e+05							
						128.0	9939.24	-1.314e+04	100.99	7882.40	8503.94
4.408e+05											
76	2	3.080e+06	1.897e+04	-0.03	-1284.57	0.0	6.970e+04	1.623e+04	-		
126.111	3.82e+04	1.897e+04	1.085e+06								
	1.085e+06	2829.63	-5.44e-04		0.0	64.0	6.970e+04	1.559e+04	-		
126.111	3.82e+04	1.090e+04	2.103e+06								
						128.0	6.970e+04	1.495e+04	-		
126.111	3.82e+04	2829.63	3.080e+06								
76	3	8.817e+05	1.763e+04	-0.02	-847.58	0.0	2.001e+04	4428.09	-		
110.171	3.50e+04	1.763e+04	3.691e+05								
	3.691e+05	3526.05	-6.17e-04		0.0	64.0	2.001e+04	4004.31	-		
110.171	3.50e+04	1.058e+04	6.390e+05								
						128.0	2.001e+04	3580.52	-		
110.171	3.50e+04	3526.05	8.817e+05								
76	6	2.571e+06	2.450e+04	-0.03	-1243.96	0.0	5.842e+04	1.326e+04	-		
158.211	8.24e+04	2.450e+04	9.534e+05								
	9.534e+05	4248.67	-7.76e-04		0.0	64.0	5.842e+04	1.264e+04	-		
158.211	8.24e+04	1.437e+04	1.782e+06								
						128.0	5.842e+04	1.202e+04	-		
158.211	8.24e+04	4248.67	2.571e+06								
76	25	1.067e+06	2350.04	-0.06	-877.02	0.0	3.241e+04	2081.52	50.21	1165.77	-
4081.108	5.81e+05	-4081.10	-3.97e-04		0.0	64.0	3.241e+04	1643.01	50.21	1165.77	-
865.539	7.66e+05										
						128.0	3.241e+04	1204.51	50.21	1165.77	2350.04
67e+06											1.0
76	28	1.224e+06	5044.55	0.02	-877.02	0.0	1.757e+04	1.136e+04	-60.78	-517.48	5044.55
1.761e+05											-
	-1.761e+05	-2739.23	5.03e-04		0.0	64.0	1.757e+04	1.092e+04	-60.78	-	
517.481	152.665	3.78e+05									
						128.0	1.757e+04	1.049e+04	-60.78	-517.48	-
2739.231	2.24e+06										
76	29	1.067e+06	2173.71	-0.06	-877.02	0.0	3.241e+04	2078.67	46.05	972.73	-
3739.638	5.81e+05	-3739.63	-3.79e-04		0.0	64.0	3.241e+04	1640.16	46.05	972.73	-
782.969	7.66e+05										
						128.0	3.241e+04	1201.65	46.05	972.73	2173.71
67e+06											1.0
76	30	1.221e+06	3565.42	0.02	-877.02	0.0	1.764e+04	1.138e+04	-46.61	-1378.59	3565.42
1.783e+05											-
	-1.783e+05	-2383.98	4.83e-04		0.0	64.0	1.764e+04	1.094e+04	-46.61	-	
1378.59	590.										



-2.683e+04	-1870.44	3.61e-04	0.0	64.0	1.971e+04	9586.96	-41.27	-
197.71776.316.011e+05								
				128.0	1.971e+04	9148.45	-41.27	-197.71
1870.441.201e+06								-
76 73 8.706e+05	1.188e+04	-0.02	-849.95	0.0	1.939e+04	4681.49	-	
74.559141.821.188e+043.258e+05	2341.38	-4.11e-04	0.0	64.0	1.939e+04	4256.52	-	
74.559141.827112.616.118e+05				128.0	1.939e+04	3831.54	-	
74.559141.822341.388.706e+05								
76 74 2.113e+06	1.272e+04	-0.02	-940.19	0.0	4.772e+04	1.119e+04	-	
84.609274.071.272e+047.400e+05	1891.24	-3.64e-04	0.0	64.0	4.772e+04	1.072e+04	-	
84.609274.077305.771.441e+06				128.0	4.772e+04	1.025e+04	-	
84.609274.071891.242.113e+06								
76 76 1.773e+06	1.635e+04	-0.02	-913.12	0.0	4.019e+04	9210.94	-	
105.681.219e+041.635e+04	6.521e+05	-5.17e-04	0.0	64.0	4.019e+04	8754.38	-	
105.681.219e+04	9590.15	1.227e+06		128.0	4.019e+04	8297.82	-	
105.681.219e+04	2826.59	1.773e+06						
76 77 7.988e+05	3338.27	-0.01	-849.95	0.0	1.726e+04	4745.15	-	
21.542646.433338.272.458e+05	580.69	-1.04e-04	0.0	64.0	1.726e+04	4320.18	-	
21.542646.431959.485.359e+05				128.0	1.726e+04	3895.21	-	
21.542646.43580.697.988e+05								
76 78 1.420e+06	3756.50	-0.02	-895.07	0.0	3.143e+04	8001.14	-	
26.572712.563756.504.529e+05	355.62	-8.36e-05	0.0	64.0	3.143e+04	7553.61	-	
26.572712.562056.069.507e+05				128.0	3.143e+04	7106.07	-	
26.572712.56355.621.420e+06								
76 80 1.243e+06	1.213e+04	-0.02	-877.02	0.0	2.789e+04	6635.08	-	
77.579181.501.213e+044.500e+05	2206.34	-3.96e-04	0.0	64.0	2.789e+04	6196.57	-	
77.579181.507170.568.607e+05				128.0	2.789e+04	5758.06	-	
77.579181.502206.341.243e+06								
76 81 7.988e+05	3338.27	-0.01	-849.95	0.0	1.726e+04	4745.15	-	
21.542646.433338.272.458e+05	580.69	-1.04e-04	0.0	64.0	1.726e+04	4320.18	-	
21.542646.431959.485.359e+05				128.0	1.726e+04	3895.21	-	
21.542646.43580.697.988e+05								
76 82 1.171e+06	3589.21	-0.02	-877.02	0.0	2.576e+04	6698.75	-	
24.562686.113589.213.701e+05	445.65	-9.11e-05	0.0	64.0	2.576e+04	6260.24	-	
24.562686.112017.437.848e+05				128.0	2.576e+04	5821.73	-	
24.562686.11445.651.171e+06								
77 2 2.520e+06	2642.86	0.03	-1284.57	0.0	8.064e+04	-1620.40	-13.15	-
256.462642.862.520e+06								
2.231e+06	960.00	1.62e-04	0.0	64.0	8.064e+04	-2262.68	-13.15	-
256.461801.432.396e+06				128.0	8.064e+04	-2904.97	-13.15	-
256.46960.002.231e+06								
77 3 7.266e+05	1773.56	-1.83e-03	-					
847.580.02.331e+04	423.79	0.0	1773.567.130e+05					
7.130e+05	1773.56	-7.44e-						
05 0.0 64.0 2.331e+04	0.0	0.0	0.0	1773.56	7.266e+05			
				128.0	2.331e+04	-		
423.790.0 0.0 1773.56	7.130e+05							
77 4 2.264e+06	2640.15	0.03	-982.94	0.0	7.190e+04	-1771.21	-13.15	-
256.462640.152.264e+06								
1.975e+06	957.28	1.62e-04	0.0	64.0	7.190e+04	-2262.68	-13.15	-
256.461798.722.135e+06				128.0	7.190e+04	-2754.15	-13.15	-
256.46957.281.975e+06								
77 6 2.107e+06	2983.18	0.02	-1243.96	0.0	6.750e+04	-961.90	-9.20	-
179.522983.182.107e+06								
1.904e+06	1805.18	1.14e-04	0.0	64.0	6.750e+04	-1583.88	-9.20	-
179.522394.182.025e+06				128.0	6.750e+04	-2205.86	-9.20	-
179.521805.181.904e+06								
77 10 9.275e+05	1182.09	0.02	-877.02	0.0	2.987e+04	1412.53	-	
7.82890.811182.098.064e+05								
8.064e+05	-203.61	1.47e-04	0.0	64.0	2.987e+04	974.02	-	
7.82890.81489.248.810e+05								



203.619.275e+05						128.0	2.987e+04	535.51	-7.82	890.81	-	
77	11	9.927e+05	-113.23	-6.38e-03	-877.02	0.0	2.966e+04	-1440.59	2.57	-993.39	-	
825.789.927e+05						64.0	2.966e+04	-1879.10	2.57	-993.39	-	
7.557e+05						128.0	2.966e+04	-2317.61	2.57	-993.39	-	
469.518.882e+05						0.0	2.980e+04	-4680.71	38.44	1857.53	-	
113.237.557e+05						64.0	2.980e+04	-	-	-	-	
77	25	1.198e+06	2556.49	-0.03	-877.02	0.0	2.980e+04	-4680.71	38.44	1857.53	-	
2249.131.198e+06						128.0	2.980e+04	-	-	-	-	
5.413e+05						64.0	2.980e+04	-	-	-	-	
5119.22	38.44	1857.53	153.68	8.835e+05	0.0	64.0	2.980e+04	-	-	-	-	
5557.73 38.44 1857.53						128.0	2.980e+04	-	-	-	-	
77	31	1.200e+06	2268.87	-0.03	-877.02	0.0	2.974e+04	-4680.71	38.44	1857.53	-	
2536.761.200e+06						64.0	2.974e+04	-5119.22	38.44	1857.53	-	
5.435e+05						128.0	2.974e+04	-	-	-	-	
133.958.857e+05						0.0	2.974e+04	4647.75	-48.07	-	-	
5557.73 38.44 1857.53						64.0	2.974e+04	4209.24	-48.07	-723.53	-	
77	36	1.142e+06	2884.89	0.04	-877.02	0.0	2.974e+04	4209.24	-48.07	-723.53	-	
723.532884.896.017e+05						128.0	2.974e+04	3770.73	-48.07	-723.53	-	
6.017e+05						0.0	2.980e+04	4209.24	-48.07	-	-	
133.958.857e+05						128.0	2.980e+04	3770.73	-48.07	-723.53	-	
3152.781.142e+06						0.0	2.983e+04	998.63	-	-	-	
77	38	1.139e+06	3172.52	0.04	-877.02	0.0	2.980e+04	4647.75	-48.07	-	-	
723.533172.525.996e+05						64.0	2.980e+04	4209.24	-48.07	-	-	
5.996e+05						128.0	2.980e+04	3770.73	-48.07	-723.53	-	
723.53153.688.835e+05						0.0	2.983e+04	998.63	-	-	-	
2865.161.139e+06						64.0	2.983e+04	560.12	-	-	-	
77	42	9.031e+05	861.08	0.01	-877.02	0.0	2.983e+04	998.63	-	-	-	
7.09446.44861.088.337e+05						128.0	2.983e+04	121.61	-7.09	446.44	-	
8.337e+05						0.0	2.970e+04	-1465.19	1.84	-549.02	-	
7.09446.44294.988.824e+05						128.0	2.970e+04	-1903.70	1.84	-549.02	-	
271.129.031e+05						64.0	2.970e+04	-1465.19	1.84	-549.02	-	
77	43	9.654e+05	-45.72	-3.92e-03	-877.02	0.0	2.970e+04	-1026.69	1.84	-549.02	-	
504.789.654e+05						128.0	2.970e+04	-1903.70	1.84	-549.02	-	
7.802e+05						0.0	2.975e+04	3303.69	-34.77	-	-	
275.258.868e+05						64.0	2.975e+04	2865.18	-34.77	-456.26	-	
45.727.802e+05						128.0	2.975e+04	2426.67	-34.77	-456.26	-	
77	57	1.112e+06	1750.54	-0.02	-877.02	0.0	2.979e+04	-3334.37	26.39	1252.65	-	
1559.731.112e+06						0.0	2.975e+04	3303.69	-34.77	-	-	
6.281e+05						64.0	2.975e+04	2865.18	-34.77	-456.26	-	
3772.88	26.39	1252.65	95.40	8.840e+05	0.0	64.0	2.975e+04	2865.18	-34.77	-456.26	-	
4211.39 26.39 1252.65						128.0	2.975e+04	2426.67	-34.77	-456.26	-	
77	63	1.113e+06	1579.47	-0.02	-877.02	0.0	2.975e+04	-3334.37	26.39	1252.65	-	
1730.801.113e+06						64.0	2.975e+04	-3772.88	26.39	1252.65	-	
6.294e+05						128.0	2.975e+04	-	-	-	-	
75.678.853e+05						0.0	2.975e+04	3303.69	-34.77	-	-	
4211.39 26.39 1252.65						64.0	2.975e+04	2865.18	-34.77	-456.26	-	
77	68	1.055e+06	2116.09	0.03	-877.02	0.0	2.975e+04	3303.69	-34.77	-	-	
456.262116.096.875e+05						128.0	2.975e+04	2426.67	-34.77	-456.26	-	
6.875e+05						0.0	2.975e+04	2865.18	-34.77	-	-	
75.678.853e+05						128.0	2.975e+04	2426.67	-34.77	-456.26	-	
2267.431.055e+06						0.0	2.979e+04	3303.69	-34.77	-	-	
77	70	1.054e+06	2287.16	0.03	-877.02	0.0	2.979e+04	3303.69	-34.77	-	-	
456.262287.166.862e+05						64.0	2.979e+04	2865.18	-34.77	-	-	
6.862e+05						128.0	2.979e+04	2426.67	-34.77	-456.26	-	
456.2695.408.840e+05						0.0	2.987e+04	535.51	-7.82	890.81	-	
2096.361.054e+06						128.0	2.979e+04	2426.67	-34.77	-456.26	-	
77	73	7.048e+05	1189.64	-1.78e-03	-	1189.646.912e+05	-	-	-	-	-	
849.950.02.289e+04 424.97						0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.912e+05						1189.64	-4.99e-05	0.0	1189.64	7.048e+05	128.0 2.289e+04	
05	0.0	64.0 2.289e+04	0.0	0.0	0.0	1189.64 7.048e+05	128.0 2.289e+04	-	-	-	-	
424.970.0 0.0 1189.64 6.912e+05						0.0	5.528e+04	-1038.36	-8.76	-	-	
77	74	1.725e+06	1767.36	0.02	-940.19	0.0 5.528e+04	-1038.36	-8.76	-	-	-	
170.971767.361.725e+06						64.0 5.528e+04	-1508.45	-8.76	-	-	-	
1.532e+06						128.0 5.528e+04	-1978.55	-8.76	-	-	-	
170.971206.411.644e+06						0.0	0.0	0.0	0.0	0.0	0.0	0.0
170.97645.461.532e+06						0.0	0.0	0.0	0.0	0.0	0.0	0.0



	77	76	1.449e+06	1988.98	0.01	-913.12	0.0	4.651e+04	-599.36	-6.14	-		
119.681988.981.449e+06													
			1.314e+06	1203.64	7.58e-05	0.0	64.0	4.651e+04	-1055.92	-6.14	-		
119.681596.311.396e+06													
							128.0	4.651e+04	-1512.48	-6.14	-		
119.681203.641.314e+06													
	77	77	6.301e+05	320.78	-1.59e-03	-							
849.950.02.081e+04	424.97		0.0	0.0		320.786.165e+05							
			6.165e+05	320.78	-1.35e-								
05	0.0	64.0	2.081e+04	0.0	0.0	0.0	320.78	6.301e+05					
							128.0	2.081e+04	-				
424.970.0	0.0		320.78	6.165e+05									
	77	78	1.134e+06	609.65	8.50e-03	-895.07	0.0	3.700e+04	-306.69	-4.38	-		
85.49609.651.134e+06													
			1.037e+06	48.69	5.41e-05	0.0	64.0	3.700e+04	-754.23	-4.38	-		
85.49329.171.100e+06													
							128.0	3.700e+04	-1201.76	-4.38	-		
85.4948.691.037e+06													
	77	80	1.001e+06	1362.96	5.10e-03	-877.02	0.0	3.261e+04	-14.03	-2.63	-		
51.291362.961.001e+06													
			9.435e+05	1026.38	-3.54e-05	0.0	64.0	3.261e+04	-452.54	-2.63	-		
51.291194.679.865e+05													
							128.0	3.261e+04	-891.05	-2.63	-		
51.291026.389.435e+05													
	77	81	6.301e+05	320.78	-1.59e-03	-							
849.950.02.081e+04	424.97		0.0	0.0		320.786.165e+05							
			6.165e+05	320.78	-1.35e-								
05	0.0	64.0	2.081e+04	0.0	0.0	0.0	320.78	6.301e+05					
							128.0	2.081e+04	-				
424.970.0	0.0		320.78	6.165e+05									
	77	82	9.267e+05	494.10	5.10e-03	-877.02	0.0	3.053e+04	-14.03	-2.63	-		
51.29494.109.267e+05													
			8.688e+05	157.53	3.25e-05	0.0	64.0	3.053e+04	-452.54	-2.63	-		
51.29325.819.118e+05													
							128.0	3.053e+04	-891.05	-2.63	-		
51.29157.538.688e+05													
	78	1	1.217e+06	1.772e+04	0.02	-1149.20	0.0	2.721e+04	-5316.29	111.04	-		
1.362e+043504.841.217e+06													
			4.632e+05	3504.84	3.35e-04	0.0	64.0	2.721e+04	-5890.89	111.04	-		
1.362e+041.061e+048.586e+05													
							128.0	2.721e+04	-6465.49	111.04	-		
1.362e+041.772e+044.632e+05													
	78	2	3.064e+06	1.703e+04									



8.016e+05	-4469.20	4.53e-04	0.0	64.0	3.136e+04	-2058.52	-55.29	-1241.05	-
928.799.465e+05									
				128.0	3.136e+04	-2491.53	-55.29	-1241.05	-
4469.208.016e+05									
78 31 1.220e+06	4656.45	-0.02	-866.02	0.0	1.653e+04	-1.091e+04	55.70	442.20	-
2477.661.220e+06									
-2.325e+05	-2477.66	-4.47e-04	0.0	64.0	1.653e+04	-			
1.134e+04 55.70	442.20	1089.40	5.078e+05						
				128.0	1.653e+04	-1.177e+04	55.70	442.20	4656.45 -
2.325e+05									
78 57 1.196e+06	2353.41	-3.78e-03	-866.02	0.0	1.871e+04	-9578.62	30.20	747.62	-
1503.251.196e+06									
-8.472e+04	-1503.25	-3.03e-04	0.0	64.0	1.871e+04	-			
1.001e+04 30.20	747.62	425.08	5.696e+05						
				128.0	1.871e+04	-1.044e+04	30.20	747.62	2353.41 -
8.472e+04									
78 58 1.086e+06	1742.82	0.05	-866.02	0.0	2.922e+04	-2962.31	-35.78	-	
921.281742.821.086e+06									
6.524e+05	-2847.71	3.11e-04	0.0	64.0	2.922e+04	-3395.32	-35.78	-921.28	-
552.448.833e+05									
				128.0	2.922e+04	-3828.33	-35.78	-921.28	-
2847.716.524e+05									
78 59 1.198e+06	3034.96	-3.78e-03	-866.02	0.0	1.867e+04	-9569.46	36.19	122.43	-
1608.871.198e+06									
-8.331e+04	-1608.87	-3.05e-04	0.0	64.0	1.867e+04	-			
1.000e+04 36.19	122.43	713.05	5.710e+05						
				128.0	1.867e+04	-1.044e+04	36.19	122.43	3034.96 -
8.331e+04									
78 62 1.086e+06	1849.14	0.05	-866.02	0.0	2.922e+04	-2963.94	-38.27	-	
1040.90 1849.14	1.086e+06								
6.524e+05	-3052.28	3.21e-04	0.0	64.0	2.922e+04	-3396.95	-38.27	-1040.90	-
601.578.833e+05									
				128.0	2.922e+04	-3829.96	-38.27	-1040.90	-
3052.286.524e+05									
78 63 1.198e+06	3239.53	-3.80e-03	-866.02	0.0	1.867e+04	-9567.82	38.69	242.05	-
1715.181.198e+06									
-8.334e+04	-1715.18	-3.15e-04	0.0	64.0	1.867e+04	-			
1.000e+04 38.69	242.05	762.17	5.710e+05						
				128.0	1.867e+04	-1.043e+04	38.69	242.05	3239.53 -
8.334e+04									
78 73 8.706e+05	1.188e+04	0.02	-849.95	0.0	1.939e+04	-3831.54	74.55	-	
9141.822341.38	8.706e+05								
3.258e+05	2341.38	2.23e-04	0.0	64.0	1.939e+04	-4256.52	74.55	-	
9141.827112.61	6.118e+05								
				128.0	1.939e+04	-4681.49	74.55	-	
9141.821.188e+043.258e+05									
78 74 2.102e+06	1.143e+04	0.05	-903.53	0.0	4.424e+04	-1.166e+04	67.68	-	
9525.002763.16	2.102e+06								
5.518e+05	2763.16	3.03e-04	0.0	64.0	4.424e+04	-1.211e+04	67.68	-	
9525.007094.90	1.341e+06								
				128.0	4.424e+04	-1.256e+04	67.68	-	
9525.001.143e+045.518e+05									
78 75 9.032e+05	1.577e+04	0.02	-849.95	0.0	2.036e+04	-3802.61	98.64	-	
1.209e+043141.699.032e+05									
3.621e+05	3141.69	3.04e-04	0.0	64.0	2.036e+04	-4227.58	98.64	-	
1.209e+049454.956.463e+05									
				128.0	2.036e+04	-4652.55	98.64	-	
1.209e+041.577e+043.621e+05									
78 77 7.988e+05	3338.27	0.01	-849.95	0.0	1.726e+04	-3895.21	21.54	-	
2646.43 580.69	7.988e+05								
2.458e+05	580.69	-6.02e-05	0.0	64.0	1.726e+04	-4320.18	21.54	-	
2646.43 1959.48	5.359e+05								
				128.0	1.726e+04	-4745.15	21.54	-	
2646.433338.27	2.458e+05								
78 78 1.414e+06	3109.67	0.03	-876.74	0.0	2.969e+04	-7807.75	18.11	-	
2838.02 791.58	1.414e+06								
3.588e+05	791.58	8.40e-05	0.0	64.0	2.969e+04	-8246.12	18.11	-	
2838.02 1950.62	9.006e+05								
				128.0	2.969e+04	-8684.49	18.11	-	
2838.023109.67	3.588e+05								
78 79 8.706e+05	1.188e+04	0.02	-849.95	0.0	1.939e+04	-3831.54	74.55	-	
9141.822341.38	8.706e+05								
3.258e+05	2341.38	2.23e-04	0.0	64.0	1.939e+04	-4256.52	74.55	-	
9141.827112.61	6.118e+05								
				128.0	1.939e+04	-4681.49	74.55	-	
9141.821.188e+043.258e+05									
78 81 7.988e+05	3338.27	0.01	-849.95	0.0	1.726e+04	-3895.21	21.54	-	
2646.43 580.69	7.988e+05								
2.458e+05	580.69	-6.02e-05	0.0	64.0	1.726e+04	-4320.18	21.54	-	
2646.43 1959.48	5.359e+05								



							128.0	1.726e+04	-4745.15	21.54			-	
2646.433338.27	2.458e+05													
78	82	1.168e+06	3201.11	0.03	-866.02	0.0	2.472e+04	-6242.73	19.48			-		
2761.38	707.23	1.168e+06												
		3.136e+05	707.23	6.80e-05	0.0	64.0	2.472e+04	-6675.74	19.48			-		
2761.381954.17	7.547e+05													
							128.0	2.472e+04	-7108.75	19.48			-	
2761.383201.11	3.136e+05													
79	2	2.808e+06	3.587e+04	0.11	-1229.58	0.0	2.552e+04	-2.995e+04	-649.61			-		
5.616e+043.587e+042.808e+06														
		-1.105e+06	-4.728e+04	5.78e-04	0.0	64.0	2.552e+04	-3.057e+04	-649.61	-5.616e+04			-	
5709.178.710e+05														
							128.0	2.552e+04	-3.118e+04	-649.61	-5.616e+04	-4.728e+04	-	
1.105e+06														
79	3	8.751e+05	3.506e+04	0.03	-847.58	0.0	1.010e+04	-7707.20	-620.63			-		
5.624e+043.506e+048.751e+05														
		-1.656e+05	-4.438e+04	4.69e-04	0.0	64.0	1.010e+04	-8130.99	-620.63	-5.624e+04			-	
4663.433.683e+05														
							128.0	1.010e+04	-8554.78	-620.63	-5.624e+04	-4.438e+04	-	
1.656e+05														
79	6	2.379e+06	4.745e+04	0.09	-1205.46	0.0	2.318e+04	-2.434e+04	-850.28			-		
7.520e+044.745e+042.379e+06														
		-8.140e+05	-6.138e+04	7.02e-04	0.0	64.0	2.318e+04	-2.495e+04	-850.28	-7.520e+04			-	
6963.218.019e+05														
							128.0	2.318e+04	-2.555e+04	-850.28	-7.520e+04	-6.138e+04	-	
8.140e+05														
79	26	1.222e+06	-160.29	0.08	-866.02	0.0	2.333e+04	-7343.79	-16.75	2453.39			-	
160.291.222e+06														
		2.273e+05	-2322.20	2.84e-04	0.0	64.0	2.333e+04	-7776.80	-16.75	2453.39			-	
1241.247.383e+05														
							128.0	2.333e+04	-8209.81	-16.75	2453.39			-
2322.202.273e+05														
79	27	9.310e+05	1029.39	-8.31e-03	-866.02	0.0	-6145.06	-1.641e+04	-5.45			-		
2983.261029.39	9.310e+05													
		-1.226e+06	349.72	-2.28e-04	0.0	64.0	-6145.06	-1.684e+04	-5.45	-2983.26	689.56	-		
1.334e+05														
							128.0	-6145.06	-1.727e+04	-5.45	-2983.26	349.72	-	
1.226e+06														
79	28	1.224e+06	1872.88	0.08	-866.02	0.0	2.325e+04	-7321.51	-58.63			-		
832.581872.881.224e+06														
		2.299e+05	-5668.31	2.74e-04	0.0	64.0	2.325e+04	-7754.52	-58.63	-832.58			-	
1897.727.407e+05														
							128.0	2.325e+04	-8187.53	-58.63	-832.58			-
5668.312.299e+05														
79	29	9.287e+05	3304.06	-8.27e-03	-866.02	0.0	-6066.07	-1.643e+04	33.45	401.43			-	
1047.719.287e+05														
		-1.229e+06	-1047.71	-1.88e-04	0.0	64.0	-6066.07	-1.687e+04	3					



79	61	9.715e+05	1829.70	5.11e-03	-866.02	0.0	-1839.89	-1.512e+04	17.65	17.79	-
473.109.715e+05		-1.018e+06	-473.10	-1.26e-04	0.0	64.0	-1839.89	-1.555e+04	17.65	17.79	678.30
9263.08											-
						128.0	-1839.89	-1.598e+04	17.65	17.79	1829.70
1.018e+06											-
79	65	9.718e+05	8365.57	5.03e-03	-866.02	0.0	-1832.34	-1.511e+04	77.96	-1108.31	-
1619.069.718e+05		-1.017e+06	-1619.06	-1.78e-04	0.0	64.0	-1832.34	-1.554e+04	77.96	-1108.31	3373.25
8761.78											-
						128.0	-1832.34	-1.598e+04	77.96	-1108.31	8365.57
1.017e+06											-
79	68	1.181e+06	2488.17	0.07	-866.02	0.0	1.902e+04	-8639.60	-		-
100.16578.442488.171.181e+06		1.868e+04	-1.034e+04	2.41e-04	0.0	64.0	1.902e+04	-9072.61	-100.16	578.44	-
3924.946.136e+05											-
						128.0	1.902e+04	-9505.62	-100.16	578.44	-
1.034e+041.868e+04											-
79	73	8.599e+05	2.358e+04	0.03	-849.95	0.0	8971.53	-8128.37	-417.61	-	-
3.777e+042.358e+048.599e+05		-2.349e+05	-2.988e+04	3.18e-04	0.0	64.0	8971.53	-8553.34	-417.61	-3.777e+04	-
3148.903.261e+05											-
						128.0	8971.53	-8978.31	-417.61	-3.777e+04	-2.988e+04
2.349e+05											-
79	74	1.930e+06	2.404e+04	0.08	-903.53	0.0	1.748e+04	-2.057e+04	-435.40	-	-
3.763e+042.404e+041.930e+06		-7.618e+05	-3.169e+04	3.88e-04	0.0	64.0	1.748e+04	-2.103e+04	-435.40	-3.763e+04	-
3825.575.983e+05											-
						128.0	1.748e+04	-2.148e+04	-435.40	-3.763e+04	-3.169e+04
7.618e+05											-
79	76	1.643e+06	3.166e+04	0.06	-887.45	0.0	1.590e+04	-1.684e+04	-567.34	-	-
5.016e+043.166e+041.643e+06		-5.684e+05	-4.096e+04	4.69e-04	0.0	64.0	1.590e+04	-1.728e+04	-567.34	-5.016e+04	-
4647.925.518e+05											-
						128.0	1.590e+04	-1.772e+04	-567.34	-5.016e+04	-4.096e+04
5.684e+05											-
79	77	7.833e+05	6504.77	0.02	-849.95	0.0	6823.79	-8137.81	-115.59	-	-
1.029e+046504.777.833e+05		-3.128e+05	-8291.02	9.41e-05	0.0	64.0	6823.79	-8562.78	-115.59	-1.029e+04	-
893.122.489e+05											-
						128.0	6823.79	-8987.75	-115.59	-1.029e+04	-8291.02
3.128e+05											-
79	78	1.318e+06	6735.41	0.05	-876.74	0.0	1.108e+04	-1.436e+04	-124.48	-	-
1.023e+046735.411.318e+06		-5.762e+05	-9198.33	1.29e-04	0.0	64.0	1.108e+04	-1.480e+04	-124.48	-1.023e+04	-
1231.463.849e+05											-
						128.0	1.108e+04	-1.524e+04	-124.48	-1.023e+04	-9198.33
5.762e+05											-
79	80	1.181e+06	2.372e+04	0.04	-866.02	0.0</					



			8.028e+05	-4584.06	8.62e-04	0.0	64.0	5.293e+04	1.245e+04	-		
328.051524e+04	1.641e+04	1.619e+06					128.0	5.293e+04	1.182e+04	-328.05	1.524e+04	-
4584.062396e+06												
80	28	1.184e+06	1.938e+04	0.02	-878.44	0.0	1.780e+04	1.059e+04	-203.63	-6283.10	1.938e+04	-
1.089e+05		-1.089e+05	-6695.88	1.82e-03	0.0	64.0	1.780e+04	1.015e+04	-203.63	-		
6283.106344.25	5.518e+05						128.0	1.780e+04	9714.66	-203.63	-6283.10	-
6695.881.184e+06												
80	36	1.190e+06	1.860e+04	0.02	-878.44	0.0	1.708e+04	1.107e+04	-195.43	-5520.46	1.860e+04	-
1.642e+05		-1.642e+05	-6434.34	1.82e-03	0.0	64.0	1.708e+04	1.063e+04	-195.43	-		
5520.466082.25	5.272e+05						128.0	1.708e+04	1.019e+04	-195.43	-5520.46	-
6434.341.190e+06												
80	37	1.035e+06	5014.20	-0.05	-878.44	0.0	3.139e+04	2127.90	-			
26.851.286e+045014.208.213e+05												
		8.213e+05	1604.52	-1.10e-03	0.0	64.0	3.139e+04	1688.68	-			
26.851.286e+043309.369.420e+05							128.0	3.139e+04	1249.46	-		
26.851.286e+041604.521.035e+06												
80	38	1.183e+06	1.741e+04	0.02	-878.44	0.0	1.723e+04	1.104e+04	-183.91	-6055.70	1.741e+04	-
1.716e+05		-1.716e+05	-6142.52	1.80e-03	0.0	64.0	1.723e+04	1.060e+04	-183.91	-		
6055.705631.63	5.197e+05						128.0	1.723e+04	1.016e+04	-183.91	-6055.70	-
6142.521.183e+06												
80	40	1.190e+06	1.832e+04	0.02	-878.44	0.0	1.705e+04	1.099e+04	-192.16	-5335.49	1.832e+04	-
1.641e+05		-1.641e+05	-6304.08	1.80e-03	0.0	64.0	1.705e+04	1.055e+04	-192.16	-		
5335.496007.73	5.268e+05						128.0	1.705e+04	1.012e+04	-192.16	-5335.49	-
6304.081.190e+06												
80	60	1.163e+06	1.706e+04	0.01	-878.44	0.0	1.966e+04	9424.62	-175.54	-		
3395.341.706e+041.676e+04												
		1.676e+04	-5415.23	1.40e-03	0.0	64.0	1.966e+04	8985.40	-175.54	-		
3395.345823.31	6.040e+05						128.0	1.966e+04	8546.18	-175.54	-3395.34	-
5415.231.163e+06												
80	68	1.167e+06	1.650e+04	0.01	-878.44	0.0	1.914e+04	9766.81	-169.72	-2853.04	1.650e+04	-
2.274e+04		-2.274e+04	-5229.78	1.40e-03	0.0	64.0	1.914e+04	9327.59	-169.72	-		
2853.045636.99	5.864e+05						128.0	1.914e+04	8888.37	-169.72	-2853.04	-
5229.781.167e+06												
80	69	1.057e+06	6998.09	-0.04	-878.44	0.0	2.931e+04	3401.01	-			
51.261.026e+046998.096.799e+05												
		6.799e+05	451.40	-6.79e-04	0.0	64.0	2.931e+04	2961.79	-			
51.261.026e+043724.748.827e+05							128.0	2.931e+04	252			



[illegible]



81	39	1.167e+06	1427.68	-0.03	-878.44	0.0	2.874e+04	-4514.70	41.47	9272.16	-
3833.051.167e+06											-
	5.349e+05	-3833.05	-1.38e-03	0.0	64.0	2.874e+04	-4953.92	41.47	9272.16		-
1202.688.649e+05											-
						128.0	2.874e+04	-			-
5393.14	41.47	9272.16	1427.68	5.349e+05							-
81	42	8.660e+05	76.59	0.01	-878.44	0.0	2.896e+04	788.79	-14.60	-	-
3026.91	76.59	8.167e+05									-
	8.167e+05	-1885.27	3.53e-04	0.0	64.0	2.896e+04	349.57	-14.60	-3026.91		-
904.348.553e+05											-
						128.0	2.896e+04	-89.65	-14.60	-3026.91	-
1885.278.657e+05											-
81	43	9.352e+05	-1282.45	-3.80e-03	-878.44	0.0	2.866e+04	-795.04	-0.42	768.99	-
1320.969.352e+05											-
	7.729e+05	-1320.96	-2.05e-04	0.0	64.0	2.866e+04	-1234.26	-0.42	768.99		-
1301.708.681e+05											-
						128.0	2.866e+04	-1673.48	-0.42	768.99	-
1282.457.729e+05											-
81	65	1.079e+06	670.75	-0.02	-878.44	0.0	2.886e+04	-3212.29	27.00	6231.28	-
2757.581.079e+06											-
	6.126e+05	-2757.58	-9.63e-04	0.0	64.0	2.886e+04	-3651.51	27.00	6231.28		-
1043.428.598e+05											-
						128.0	2.886e+04	-			-
4090.73	27.00	6231.28	670.75	6.126e+05							-
81	68	1.026e+06	1513.22	0.03	-878.44	0.0	2.877e+04	3206.04	-42.03	-	-
8489.191513.22	6.731e+05										-
	6.731e+05	-3838.46	1.11e-03	0.0	64.0	2.877e+04	2766.82	-42.03	-8489.19		-
1162.628.636e+05											-
						128.0	2.877e+04	2327.60	-42.03	-8489.19	-
3838.461.026e+06											-
81	70	1.022e+06	1632.42	0.03	-878.44	0.0	2.886e+04	3206.04	-42.03	-	-
8489.191632.42	6.693e+05										-
	6.693e+05	-3719.25	1.11e-03	0.0	64.0	2.886e+04	2766.82	-42.03	-8489.19		-
1043.428.598e+05											-
						128.0	2.886e+04	2327.60	-42.03	-8489.19	-
3719.251.022e+06											-
81	71	1.083e+06	551.54	-0.02	-878.44	0.0	2.877e+04	-3212.29	27.00	6231.28	-
2876.791.083e+06											-
	6.165e+05	-2876.79	-9.63e-04	0.0	64.0	2.877e+04	-3651.51	27.00	6231.28		-
1162.628.636e+05											-
						128.0	2.877e+04	-			-
4090.73	27.00	6231.28	551.54	6.165e+05							-
81	73	6.263e+05	-1131.97	-1.58e-03	-850.64	0.0	2.027e+04	425.32	0.0	0.0	-
1131.976.126e+05											-
	6.126e+05	-1131.97	4.75e-05	0.0	64.0	2.027e+04	0				



2.306e+041.493e+041.815e+06	6.864e+05	-1141.47	-8.10e-04	0.0	64.0	5.981e+04	-1.733e+04	251.09	-	
2.306e+043.100e+046.864e+05					128.0	5.981e+04	-1.795e+04	251.09	-	
1896.827.721e+05	82	3	7.721e+05	2.114e+04	0.01	-848.21	0.0	1.651e+04	-3523.97	180.01 -1.125e+04 -
1.125e+049623.605.330e+05					0.0	64.0	1.651e+04	-3948.07	180.01	-
1.125e+042.114e+042.668e+05						128.0	1.651e+04	-4372.18	180.01	-
2584.581.118e+06	82	5	1.118e+06	2.879e+04	0.02	-1150.19	0.0	2.394e+04	-5187.56	245.09 -1.531e+04 -
1.531e+041.310e+047.679e+05					0.0	64.0	2.394e+04	-5762.66	245.09	-
1.531e+042.879e+043.807e+05						128.0	2.394e+04	-6337.75	245.09	-
1605.362.383e+06	82	6	2.383e+06	3.321e+04	0.06	-1207.96	0.0	4.938e+04	-1.324e+04	272.01 -2.253e+04 -
2.253e+041.580e+041.517e+06					0.0	64.0	4.938e+04	-1.385e+04	272.01	-
2.253e+043.321e+046.111e+05						128.0	4.938e+04	-1.445e+04	272.01	-
5844.821.181e+06	82	31	1.181e+06	1.819e+04	-0.01	-867.15	0.0	1.678e+04	-1.012e+04	187.62 4200.36 -
1.055e+04187.62 4200.36 6170.66 5.224e+05					0.0	64.0	1.678e+04	-		
1.637e+05						128.0	1.678e+04	-1.099e+04	187.62 4200.36 1.819e+04 -	
5291.461.179e+06	82	33	1.179e+06	1.621e+04	-0.01	-867.15	0.0	1.622e+04	-1.057e+04	167.90 3972.97 -
1.100e+04167.90 3972.97 5458.04 4.903e+05					0.0	64.0	1.622e+04	-		
2.264e+05						128.0	1.622e+04	-1.144e+04	167.90 3972.97 1.621e+04 -	
1.494e+042455.581.031e+06	82	34	1.031e+06	3815.95	0.06	-867.15	0.0	3.038e+04	-1654.75	10.84 -
1.494e+043135.779.126e+05					0.0	64.0	3.038e+04	-2088.32	10.84	-
1.494e+043815.957.665e+05						128.0	3.038e+04	-2521.90	10.84	-
5453.021.186e+06	82	35	1.186e+06	1.712e+04	-0.01	-867.15	0.0	1.604e+04	-1.052e+04	176.15 3252.76 -
1.095e+04176.15 3252.76 5834.14 4.974e+05					0.0	64.0	1.604e+04	-		
2.189e+05						128.0	1.604e+04	-1.139e+04	176.15 3252.76 1.712e+04 -	
5583.291.187e+06	82	39	1.187e+06	1.740e+04	-0.01	-867.15	0.0	1.606e+04	-1.060e+04	179.42 3437.73 -
1.103e+04179.42 3437.73 5908.66 4.978e+05					0.0	64.0	1.606e+04	-		
2.189e+05						128.0	1.606e+04	-1.147e+04	179.42 3437.73 1.740e+04 -	
4564.171.159e+06	82	63	1.159e+06	1.586e+04	-2.08e-03	-867.15	0.0	1.864e+04	-8951.47	159.53 1312.61 -
9385.05 159.53 1312.61 5649.71 5.746e+05					0.0	64.0	1.864e+04	-		
3.803e+04						128.0	1.864e+04	-9818.62	159.53 1312.61 1.586e+04 -	
4203.811.159e+06	82	65	1.159e+06	1.459e+04	-2.63e-03	-867.15	0.0	1.822e+04	-9276.76	146.79 1088.00 -
9710.34 146.79 1088.00 5192.76 5.526e+05					0.0	64.0	1.822e+04	-		
8.198e+04						128.0	1.822e+04	-1.014e+04	146.79 1088.00 1.459e+04 -	
1.235e+041302.461.054e+06	82	66	1.054e+06	5799.84	0.05	-867.15	0.0	2.830e+04	-2927.86	35.25 -
1.235e+043551.158.533e+05					0.0	64.0	2.830e+04	-3361.44	35.25	-
1.235e+045799.846.251e+05						128.0	2.830e+04	-3795.01	35.25	-
4299.901.163e+06	82	67	1.163e+06	1.514e+04	-2.74e-03	-867.15	0.0	1.811e+04	-9247.75	151.74 657.17 -
9681.32 151.74 657.17 5418.75 5.568e+05					0.0	64.0	1.811e+04	-		
7.752e+04						128.0	1.811e+04	-1.011e+04	151.74 657.17 1.514e+04 -	
4378.721.164e+06	82	71	1.164e+06	1.531e+04	-2.60e-03	-867.15	0.0	1.813e+04	-9293.66	153.71 770.31 -
9727.24 153.71 770.31 5463.40 5.570e+05					0.0	64.0	1.813e+04	-		



7.752e+04							128.0	1.813e+04	-1.016e+04	153.71	770.31	1.531e+04	-
82	73	7.883e+05	1.732e+04	0.01	-850.64	0.0	1.685e+04	-3747.73	149.87	-8846.07		-	
1865.797.883e+05		2.541e+05	-1865.79	-5.52e-04	0.0	64.0	1.685e+04	-4173.05	149.87		-		
8846.077726.15	5.348e+05						128.0	1.685e+04	-4598.37	149.87		-	
8846.071.732e+042.541e+05													
82	74	1.993e+06	2.153e+04	0.05	-905.66	0.0	4.108e+04	-1.142e+04	175.52	-1.572e+04		-	
933.201.993e+06		4.735e+05	-933.20	-5.70e-04	0.0	64.0	4.108e+04	-1.187e+04	175.52		-		
1.572e+041.030e+041.248e+06							128.0	4.108e+04	-1.232e+04	175.52		-	
1.572e+042.153e+044.735e+05													
82	75	8.020e+05	2.002e+04	0.01	-850.64	0.0	1.716e+04	-3734.76	171.23	-1.053e+04		-	
1894.898.020e+05		2.695e+05	-1894.89	-6.26e-04	0.0	64.0	1.716e+04	-4160.08	171.23		-		
1.053e+049063.965.494e+05							128.0	1.716e+04	-4585.40	171.23		-	
1.053e+042.002e+042.695e+05													
82	76	1.645e+06	2.297e+04	0.04	-889.15	0.0	3.411e+04	-9104.16	189.18	-1.535e+04		-	
1242.081.645e+06		4.231e+05	-1242.08	-6.37e-04	0.0	64.0	3.411e+04	-9548.74	189.18		-		
1.535e+041.087e+041.048e+06							128.0	3.411e+04	-9993.31	189.18		-	
1.535e+042.297e+044.231e+05													
82	77	7.581e+05	1.137e+04	0.01	-850.64	0.0	1.618e+04	-3776.26	102.89	-5132.26		-	
1801.787.581e+05		2.203e+05	-1801.78	-3.89e-04	0.0	64.0	1.618e+04	-4201.58	102.89		-		
5132.264782.99	5.028e+05						128.0	1.618e+04	-4626.90	102.89		-	
5132.261.137e+042.203e+05													
82	78	1.360e+06	1.348e+04	0.03	-878.15	0.0	2.830e+04	-7611.54	115.71	-8571.04		-	
1335.481.360e+06		3.300e+05	-1335.48	-3.95e-04	0.0	64.0	2.830e+04	-8050.62	115.71		-		
8571.046069.99	8.593e+05						128.0	2.830e+04	-8489.69	115.71		-	
8571.041.348e+043.300e+05													
82	79	7.883e+05	1.732e+04	0.01	-850.64	0.0	1.685e+04	-3747.73	149.87	-8846.07		-	
1865.797.883e+05		2.541e+05	-1865.79	-5.52e-04	0.0	64.0	1.685e+04	-4173.05	149.87		-		
8846.077726.15	5.348e+05						128.0	1.685e+04	-4598.37	149.87		-	
8846.071.732e+042.541e+05													
82	80	1.150e+06	1.858e+04	0.02	-867.15	0.0	2.412e+04	-6048.90	157.57	-1.091e+04		-	
1586.011.150e+06		3.200e+05	-1586.01	-5.55e-04	0.0	64.0	2.412e+04	-6482.47	157.57		-		
1.091e+048498.357.487e+05							128.0	2.412e+04	-6916.04	157.57		-	
1.091e+041.858e+043.200e+05													
82	81	7.581e+05	1.137e+04	0.01	-850.64	0.0	1.618e+04	-3776.26	102.89	-5132.26		-	
1801.787.581e+05		2.203e+05	-1801.78	-3.89e-04	0.0	64.0	1.618e+04	-4201.58	102.89		-		
5132.264782.99													



83	19	1.031e+06	2.023e+04	0.03	-867.15	0.0	3837.38	-1.308e+04	-399.13	-
3.036e+04	2.023e+04	1.031e+06								
		-6.480e+05	-3.087e+04	-1.07e-03	0.0	64.0	3837.38	-1.351e+04	-399.13	-3.036e+04
5318.242	0.52e+05									-
						128.0	3837.38	-1.394e+04	-399.13	-3.036e+04
6.480e+05										-3.087e+04
83	27	9.406e+05	1.971e+04	-3.97e-03	-867.15	0.0	-4712.87	-1.557e+04	-454.78	-
2.164e+04	1.971e+04	9.406e+05								
		-1.103e+06	-3.852e+04	-2.05e-03	0.0	64.0	-4712.87	-1.600e+04	-454.78	-2.164e+04
6.733e+04										-9407.67
						128.0	-4712.87	-1.644e+04	-454.78	-2.164e+04
1.103e+06										-3.852e+04
83	36	1.196e+06	1.912e+04	0.08	-867.15	0.0	2.212e+04	-7314.03	-422.38	-
3.518e+04	1.912e+04	1.196e+06								
		2.093e+05	-3.500e+04	1.16e-03	0.0	64.0	2.212e+04	-7747.60	-422.38	-3.518e+04
7937.787	1.65e+05									-
						128.0	2.212e+04	-8181.18	-422.38	-3.518e+04
3.500e+04	2.093e+05									-
83	37	9.139e+05	1.400e+04	-6.28e-03	-867.15	0.0	-5936.41	-1.591e+04	-201.01	-
1.946e+04	1.400e+04	9.139e+05								
		-1.194e+06	-1.167e+04	-1.92e-03	0.0	64.0	-5936.41	-1.635e+04	-201.01	-1.946e+04
1.260e+05										1164.46
						128.0	-5936.41	-1.678e+04	-201.01	-1.946e+04
1.194e+06										-1.167e+04
83	38	1.188e+06	1.745e+04	0.08	-867.15	0.0	2.233e+04	-7191.87	-391.45	-
3.233e+04	1.745e+04	1.188e+06								
		1.971e+05	-3.270e+04	1.19e-03	0.0	64.0	2.233e+04	-7625.45	-391.45	-3.233e+04
7624.987	0.66e+05									-
						128.0	2.233e+04	-8059.02	-391.45	-3.233e+04
3.270e+04	1.971e+05									-
83	39	9.209e+05	1.576e+04	-5.72e-03	-867.15	0.0	-6191.15	-1.608e+04	-230.83	-
2.251e+04	1.576e+04	9.209e+05								
		-1.177e+06	-1.374e+04	-2.00e-03	0.0	64.0	-6191.15	-1.651e+04	-230.83	-2.251e+04
1.144e+05										1012.81
						128.0	-6191.15	-1.694e+04	-230.83	-2.251e+04
1.177e+06										-1.374e+04
83	51	1.036e+06	1.883e+04	0.03	-867.15	0.0	5105.01	-1.263e+04	-366.88	-
2.895e+04	1.883e+04	1.036e+06								
		-6.058e+05	-2.814e+04	-8.82e-04	0.0	64.0	5105.01	-1.306e+04	-366.88	-2.895e+04
4655.892	2.91e+05									-
						128.0	5105.01	-1.349e+04	-366.88	-2.895e+04
6.058e+05										-2.814e+04
83	59	9.730e+05	1.862e+04	7.82e-03	-867.15	0.0	-1018.48	-1.443e+04	-407.05	-
2.317e+04	1.862e+04	9.730e+05								
		-9.268e+05	-3.350e+04	-1.59e-03	0.0	64.0	-1018.48	-1.486e+04	-407.05	-2.317



-8.028e+05	-5.298e+04	-8.30e-04	0.0	64.0	1.461e+04	-2.064e+04	-711.35	-6.410e+04	-
7450.165.324e+05									
				128.0	1.461e+04	-2.109e+04	-711.35	-6.410e+04	-5.298e+04 -
8.028e+05									
83	76	1.540e+06	3.956e+04	0.06	-889.15	0.0	1.245e+04	-1.651e+04	-730.70 -
6.688e+043.956e+041.540e+06									
-6.299e+05	-5.397e+04	-9.32e-04	0.0	64.0	1.245e+04	-1.695e+04	-730.70	-6.688e+04	-
7204.614.691e+05									
				128.0	1.245e+04	-1.740e+04	-730.70	-6.688e+04	-5.397e+04 -
6.299e+05									
83	77	7.524e+05	1.716e+04	0.02	-850.64	0.0	5860.53	-7957.78	-313.79 -
2.858e+041.716e+047.524e+05									
-3.206e+05	-2.301e+04	-5.48e-04	0.0	64.0	5860.53	-8383.10	-313.79	-2.858e+04	-
2926.622.295e+05									
				128.0	5860.53	-8808.42	-313.79	-2.858e+04	-2.301e+04 -
3.206e+05									
83	78	1.278e+06	2.247e+04	0.05	-878.15	0.0	9922.45	-1.408e+04	-420.72 -
3.744e+042.247e+041.278e+06									
-5.804e+05	-3.138e+04	-5.66e-04	0.0	64.0	9922.45	-1.452e+04	-420.72	-3.744e+04	-
4451.853.627e+05									
				128.0	9922.45	-1.496e+04	-420.72	-3.744e+04	-3.138e+04 -
5.804e+05									
83	80	1.103e+06	3.063e+04	0.04	-867.15	0.0	8920.36	-1.162e+04	-561.66 -
5.170e+043.063e+041.103e+06									
-4.391e+05	-4.126e+04	-8.06e-04	0.0	64.0	8920.36	-1.205e+04	-561.66	-5.170e+04	-
5314.853.460e+05									
				128.0	8920.36	-1.248e+04	-561.66	-5.170e+04	-4.126e+04 -
4.391e+05									
83	81	7.524e+05	1.716e+04	0.02	-850.64	0.0	5860.53	-7957.78	-313.79 -
2.858e+041.716e+047.524e+05									
-3.206e+05	-2.301e+04	-5.48e-04	0.0	64.0	5860.53	-8383.10	-313.79	-2.858e+04	-
2926.622.295e+05									
				128.0	5860.53	-8808.42	-313.79	-2.858e+04	-2.301e+04 -
3.206e+05									
83	82	1.068e+06	2.035e+04	0.04	-867.15	0.0	8297.68	-1.163e+04	-377.95 -
3.390e+042.035e+041.068e+06									
-4.765e+05	-2.803e+04	-5.59e-04	0.0	64.0	8297.68	-1.206e+04	-377.95	-3.390e+04	-
3841.763.094e+05									
				128.0	8297.68	-1.250e+04	-377.95	-3.390e+04	-2.803e+04 -
4.765e+05									
84	2	2.710e+06	5.831e+04	-0.03	-1303.96	0.0	5.928e+04	1.533e+04	-
572.058574.855.831e+048.305e+05									
8.305e+05	-1.492e+04	2.00e-03	0.0	64.0	5.928e+04	1.468e+04	-	-	-
572.058574.852.169e+041.791e+06									
				128.0	5.928e+04	1.403e+04	-572.05	8574.85	-
1.492e+042.710e+06									
84	3	6.794e+05	2.711e+04	-0.01	-850.23	0.0	1.417e+04	4095.18	-
269.068179.202.711e+042.097e+05									
2.097e+05	-7327.62	8.95e-04	0.0	64.0	1.417e+04	3670.07	-	-	-
269.068179.209892.514.581e+05									
				128.0	1.417e+04	3244.95	-269.06	8179.20	-
7327.626.794e+05									
84	36	1.100e+06	3.165e+04	0.01	-882.99	0.0	1.684e+04	9810.50	-336.97 -1.150e+04 3.165e+04 -
9.361e+04									
-9.361e+04	-1.149e+04	3.38e-03	0.0	64.0	1.684e+04	9369.00	-336.97	-	-
1.150e+041.008e+045.171e+05									
				128.0	1.684e+04	8927.51	-336.97	-1.150e+04	-
1.149e+041.100e+06									
84	37	9.711e+05	1.489e+04	-0.04	-882.99	0.0	2.823e+04	2752.11	-
124.752.024e+041.489e+04									
6.768e+05	-1070.54	-1.89e-03	0.0	64.0	2.823e+04	2310.61	-	-	-
124.752.024e+04	6908.98	8.381e+05							
				128.0	2.823e+04	1869.12	-124.75	2.024e+04	-
1070.549.711e+05									
84	38	1.092e+06	3.090e+04	0.01	-882.99	0.0	1.698e+04	9778.69	-328.98 -1.190e+04 3.090e+04 -
1.015e+05									
-1.015e+05	-1.121e+04	3.34e-03	0.0	64.0	1.698e+04	9337.19	-328.98	-	-
1.190e+049845.125.095e+05									
				128.0	1.698e+04	8895.70	-328.98	-1.190e+04	-
1.121e+041.092e+06									
84	40	1.099e+06	3.149e+04	0.01	-882.99	0.0	1.681e+04	9735.28	-335.19 -1.158e+04 3.149e+04 -
9.258e+04									
-9.258e+04	-1.143e+04	3.34e-03	0.0	64.0	1.681e+04	9293.78	-335.19	-	-
1.158e+041.003e+045.171e+05									
				128.0	1.681e+04	8852.29	-335.19	-1.158e+04	-
1.143e+041.099e+06									
84	68	1.080e+06	2.915e+04	3.69e-03	-882.99	0.0	1.849e+04	8772.96	-305.41 -
6957.702.915e+041.759e+04									
1.759e+04	-9950.56	2.61e-03	0.0	64.0	1.849e+04	8331.47	-305.41	-	-
6957.709599.21	5.631e+05								







85	13	8.631e+05	-2745.81	-3.50e-03	-882.99	0.0	2.725e+04	-1141.86	3.76	3454.17	-
2984.878.631e+05											-
		6.656e+05	-2984.87	-6.93e-04	0.0	64.0	2.725e+04	-1583.36	3.76	3454.17	-
2865.347.785e+05											-
						128.0	2.725e+04	-2024.85	3.76	3454.17	-
2745.816.656e+05											-
85	16	8.330e+05	-1797.80	9.97e-03	-882.99	0.0	2.687e+04	1213.91	-27.93	-7688.22	-
1797.807.393e+05											-
		7.393e+05	-5130.69	9.59e-04	0.0	64.0	2.687e+04	772.41	-27.93	-7688.22	-
3464.248.003e+05											-
						128.0	2.687e+04	330.92	-27.93	-7688.22	-
5130.698.330e+05											-
85	28	9.447e+05	340.58	0.03	-882.99	0.0	2.700e+04	3049.30	-56.74	-	-
1.897e+04340.586.124e+05											-
		6.124e+05	-6849.83	2.68e-03	0.0	64.0	2.700e+04	2607.80	-56.74	-1.897e+04	-
3254.637.927e+05											-
						128.0	2.700e+04	2166.31	-56.74	-1.897e+04	-
6849.839.447e+05											-
85	30	9.381e+05	520.25	0.03	-882.99	0.0	2.712e+04	3049.30	-56.74	-	-
1.897e+04520.256.059e+05											-
		6.059e+05	-6670.16	2.68e-03	0.0	64.0	2.712e+04	2607.80	-56.74	-1.897e+04	-
3074.967.861e+05											-
						128.0	2.712e+04	2166.31	-56.74	-1.897e+04	-
6670.169.381e+05											-
85	33	1.027e+06	-1068.53	-0.02	-882.99	0.0	2.712e+04	-3549.36	31.92	1.503e+04	-
5081.391.027e+06											-
		5.173e+05	-5081.39	-2.42e-03	0.0	64.0	2.712e+04	-3990.86	31.92	1.503e+04	-
3074.967.861e+05											-
						128.0	2.712e+04	-4432.35	31.92	1.503e+04	-
1068.535.173e+05											-
85	39	1.033e+06	-1248.20	-0.02	-882.99	0.0	2.700e+04	-3549.36	31.92	1.503e+04	-
5261.061.033e+06											-
		5.239e+05	-5261.06	-2.42e-03	0.0	64.0	2.700e+04	-3990.86	31.92	1.503e+04	-
3254.637.927e+05											-
						128.0	2.700e+04	-4432.35	31.92	1.503e+04	-
1248.205.239e+05											-
85	45	8.458e+05	-2835.63	-2.48e-03	-882.99	0.0	2.717e+04	-788.18	-1.33	1781.35	-
2835.638.458e+05											-
		6.916e+05	-3143.72	-4.48e-04	0.0	64.0	2.717e+04	-1229.67	-1.33	1781.35	-
2989.677.828e+05											-
						128.0	2.717e+04	-1671.17	-1.33	1781.35	-
3143.726.916e+05											-
85	48	8.072e+05	-1947.04	8.25e-03	-882.99	0.0	2.695e+04	860.22	-22.84	-6015.39	-
1947.047.566e+05											-
		7.566e+05	-4732.78	7.13e-							



[illegible]



1.957e+041.530e+045.172e+05						128.0	2.567e+04	-4095.16	128.88	-
86 67 1.075e+06 2.702e+04 2.71e-03	-870.75	0.0	1.757e+04	-8193.87	277.64	3094.53	-			
8526.921.075e+06										
-3.066e+04 -8526.92 -2.33e-03	0.0	64.0	1.757e+04	-						
8629.25 277.64 3094.53 9244.66 5.360e+05										
3.066e+04						128.0	1.757e+04	-9064.62	277.64	3094.53 2.702e+04 -
86 71 1.075e+06 2.712e+04 3.04e-03	-870.75	0.0	1.759e+04	-8238.41	278.70	3048.44	-			
8562.911.075e+06										
-3.123e+04 -8562.91 -2.36e-03	0.0	64.0	1.759e+04	-						
8673.79 278.70 3048.44 9277.46 5.360e+05										
3.123e+04						128.0	1.759e+04	-9109.16	278.70	3048.44 2.712e+04 -
86 73 7.057e+05 2.446e+04 0.01	-852.87	0.0	1.488e+04	-3467.24	242.83	-7114.30	-			
6617.257.057e+05										
2.073e+05 -6617.25 -9.48e-04	0.0	64.0	1.488e+04	-3893.68	242.83	-				
7114.308923.59 4.702e+05										
7114.302.446e+042.073e+05						128.0	1.488e+04	-4320.11	242.83	-
86 74 1.842e+06 3.378e+04 0.04	-912.48	0.0	3.764e+04 -1.077e+04	309.37 -1.914e+04	-					
5817.201.842e+06										
4.048e+05 -5817.20 -9.68e-04	0.0	64.0	3.764e+04 -1.122e+04	309.37	-					
1.914e+041.398e+041.138e+06										
1.914e+043.378e+044.048e+05						128.0	3.764e+04 -1.168e+04	309.37	-	
86 75 7.113e+05 2.650e+04 0.01	-852.87	0.0	1.490e+04	-3450.07	262.67	-7941.89	-			
7122.367.113e+05										
2.151e+05 -7122.36 -1.04e-03	0.0	64.0	1.490e+04	-3876.50	262.67	-				
7941.899688.36 4.768e+05										
7941.892.650e+042.151e+05						128.0	1.490e+04	-4302.93	262.67	-
86 77 6.935e+05 1.999e+04 0.01	-852.87	0.0	1.482e+04	-3505.03	199.17	-5293.61	-			
5506.006.935e+05										
1.902e+05 -5506.00 -7.50e-04	0.0	64.0	1.482e+04	-3931.46	199.17	-				
5293.617241.09 4.555e+05										
5293.611.999e+041.902e+05						128.0	1.482e+04	-4357.90	199.17	-
86 78 1.261e+06 2.465e+04 0.03	-882.67	0.0	2.620e+04	-7155.64	232.44	-1.131e+04	-			
5105.981.261e+06										
2.890e+05 -5105.98 -7.55e-04	0.0	64.0	2.620e+04	-7596.98	232.44	-				
1.131e+049770.457.893e+05										
1.131e+042.465e+042.890e+05						128.0	2.620e+04	-8038.32	232.44	-
86 79 7.057e+05 2.446e+04 0.01	-852.87	0.0	1.488e+04	-3467.24	242.83	-7114.30	-			
6617.257.057e+05										
2.073e+05 -6617.25 -9.48e-04	0.0	64.0	1.488e+04	-3893.68	242.83	-				
7114.308923.59 4.702e+05										
7114.302.446e+042.073e+05						128.0	1.488e+04	-4320.11	242.83	-
86 80 1.046e+06 2.726e+04 0.02	-870.75	0.0	2.170e+04	-5657.61	262.79	-1.072e+04	-			
6377.241.046e+06										
2.666e+05 -6377.24 -9.50e-04	0.0	64.0	2.170e+04	-6092.99	262.79	-				
1.072e+041.044e+046.705e+05										
1.072e+042.726e+042.666e+05						128.0	2.170e+04	-6528.36	262.79	-
86 81 6.935e+05 1.999e+04 0.01	-852.87	0.0	1.482e+04	-3505.03	199.17	-5293.61	-			
5506.006.935e+05										
1.902e+05 -5506.00 -7.50e-04	0.0	64.0	1.482e+04	-3931.46	199.17	-				
5293.617241.09 4.555e+05										
5293.611.999e+041.902e+05						128.0	1.482e+04	-4357.90	199.17	-
86 82 1.034e+06 2.278e+04 0.02	-870.75	0.0	2.164e+04	-5695.40	219.14	-8901.82	-			
5265.991.034e+06										
2.495e+05 -5265.99 -7.51e-04	0.0	64.0	2.164e+04	-6130.77	219.14	-				
8901.828758.70 6.558e+05										
8901.822.278e+042.495e+05						128.0	2.164e+04	-6566.15	219.14	-
87 2 2.433e+06 7.843e+04 0.09	-1242.77	0.0	1.902e+04 -2.743e+04	-1402.36	-					
1.450e+057.843e+042.433e+06										
-1.157e+06 -1.011e+05 -3.13e-03	0.0	64.0	1.902e+04 -2.805e+04	-1402.36 -1.450e+05	-					
1.132e+046.580e+05										
1.157e+06						128.0	1.902e+04 -2.867e+04	-1402.36 -1.450e+05 -1.011e+05	-	
87 3 6.677e+05 3.742e+04 0.02	-850.23	0.0	5276.77	-6818.29	-645.39	-				
7.061e+043.742e+046.677e+05										
-2.594e+05 -4.519e+04 -2.22e-03	0.0	64.0	5276.77	-7243.40	-645.39 -7.061e+04	-				
3885.822.177e+05										
2.594e+05						128.0	5276.77	-7668.52	-645.39 -7.061e+04 -4.519e+04	-



87	36	1.078e+06	2.946e+04	0.06	-870.75	0.0	1.867e+04	-7426.97	-409.49	-
6.947e+042.946e+041.078e+06										
		7.455e+04	-2.292e+04	1.54e-03	0.0	64.0	1.867e+04	-7862.35	-409.49	-
6.947e+043268.355.900e+05										
						128.0	1.867e+04	-8297.73	-409.49-6.947e+04	-
2.292e+047.455e+04										
87	37	8.569e+05	3.274e+04	2.27e-03	-870.75	0.0	-3414.04	-1.411e+04	-687.13	-
4.413e+043.274e+048.569e+05										
		-1.020e+06	-5.523e+04	-4.39e-03	0.0	64.0	-3414.04	-1.455e+04	-687.13-4.413e+04	-1.124e+04 -
6.760e+04										
						128.0	-3414.04	-1.498e+04	-687.13-4.413e+04	-5.523e+04 -
1.020e+06										
87	38	1.070e+06	2.851e+04	0.06	-870.75	0.0	1.890e+04	-7318.13	-390.95	-
6.761e+042.851e+041.070e+06										
		6.255e+04	-2.146e+04	1.61e-03	0.0	64.0	1.890e+04	-7753.50	-390.95	-
6.761e+043528.095.803e+05										
						128.0	1.890e+04	-8188.88	-390.95-6.761e+04	-
2.146e+046.255e+04										
87	39	8.630e+05	3.385e+04	2.91e-03	-870.75	0.0	-3677.30	-1.427e+04	-708.55	-
4.632e+043.385e+048.630e+05										
		-1.004e+06	-5.692e+04	-4.50e-03	0.0	64.0	-3677.30	-1.471e+04	-708.55-4.632e+04	-1.154e+04 -
5.661e+04										
						128.0	-3677.30	-1.514e+04	-708.55-4.632e+04	-5.692e+04 -
1.004e+06										
87	68	1.045e+06	2.997e+04	0.05	-870.75	0.0	1.549e+04	-8396.88	-450.93	-
6.579e+042.997e+041.045e+06										
		-8.375e+04	-2.773e+04	7.12e-04	0.0	64.0	1.549e+04	-8832.26	-450.93	-
6.579e+041118.414.945e+05										
						128.0	1.549e+04	-9267.63	-450.93-6.579e+04	-2.773e+04 -
8.375e+04										
87	69	8.891e+05	3.229e+04	0.01	-870.75	0.0	-243.89	-1.316e+04	-646.81	-
4.795e+043.229e+048.891e+05										
		-8.601e+05	-5.050e+04	-3.55e-03	0.0	64.0	-243.89	-1.360e+04	-646.81-4.795e+04	-
9105.252.843e+04										
						128.0	-243.89	-1.403e+04	-646.81-4.795e+04	-5.050e+04 -
8.601e+05										
87	70	1.040e+06	2.940e+04	0.05	-870.75	0.0	1.562e+04	-8332.66	-439.82	-
6.467e+042.940e+041.040e+06										
		-9.084e+04	-2.685e+04	7.48e-04	0.0	64.0	1.562e+04	-8768.03	-439.82	-
6.467e+041274.564.888e+05										
						128.0	1.562e+04	-9203.41	-439.82-6.467e+04	-2.685e+04 -
9.084e+04										
87	71	8.927e+05	3.296e+04	0.01	-870.75	0.0	-402.12	-1.326e+04	-659.68	-
4.926e+043.296e+048.927e+05										
		-8.507e+05	-5.152e+04	-3.62e-03	0.0	64.0	-402.12	-1.369e+04	-659.68-4.926e+04	-
9283.913.497e+04										
						128.0	-402.12	-1.413e+04	-659.68-4.926e+04	-5.152e+04 -
8.507e+05										
87	73	6.917e+05	3.368e+04	0.02	-852.87	0.0	5476.75	-7245.97	-581.87	-
6.303e+043.368e+046.917e+05										
		-2.904e+05	-4.080e+04	-1.95e-03	0.0	64.0	5476.75	-7672.40	-581.87-6.303e+04	-
3556.242.143e+05										
						128.0	5476.75	-8098.83	-581.87-6.303e+04	-4.080e+04 -
2.904e+05										
87	74	1.673e+06	5.452e+04	0.06	-912.48	0.0	1.308e+04	-1.882e+04	-973.64	-
1.008e+055.452e+041.673e+06										
		-7.949e+05	-7.010e+04	-2.22e-03	0.0	64.0	1.308e+04	-1.928e+04	-973.64-1.008e+05	-
7789.274.535e+05										
						128.0	1.308e+04	-1.973e+04	-973.64-1.008e+05	-7.010e+04 -
7.949e+05										
87	77	6.775e+05	2.726e+04	0.02	-852.87	0.0	5368.11	-7301.03	-472.13	-
5.027e+042.726e+046.775e+05										
		-3.116e+05	-3.317e+04	-1.52e-03	0.0	64.0	5368.11	-7727.47	-472.13-5.027e+04	-
2953.831.966e+05										
						128.0	5368.11	-8153.90	-472.13-5.027e+04	-3.317e+04 -
3.116e+05										
87	78	1.168e+06	3.768e+04	0.04	-882.67	0.0	9169.29	-1.309e+04	-668.01	-
6.916e+043.768e+041.168e+06										
		-5.639e+05	-4.782e+04	-1.66e-03	0.0	64.0	9169.29	-1.353e+04	-668.01-6.916e+04	-
5070.343.162e+05										
						128.0	9169.29	-1.397e+04	-668.01-6.916e+04	-4.782e+04 -
5.639e+05										
87	80	9.860e+05	3.994e+04	0.03	-870.75	0.0	7757.46	-1.072e+04	-699.40	-
7.437e+043.994e+049.860e+05										
		-4.417e+05	-4.959e+04	-2.03e-03	0.0	64.0	7757.46	-1.115e+04	-699.40-7.437e+04	-
4826.152.861e+05										
						128.0	7757.46	-1.159e+04	-699.40-7.437e+04	-4.959e+04 -
4.417e+05										
87	81	6.775e+05	2.726e+04	0.02	-852.87	0.0	5368.11	-7301.03	-472.13	-
5.027e+042.726e+046.775e+05										



-3.116e+05 -3.317e+04 -1.52e-03 0.0 64.0 5368.11 -7727.47 -472.13 -5.027e+04 -																			
2953.831.966e+05										128.0 5368.11 -8153.90 -472.13 -5.027e+04 -3.317e+04 -									
3.116e+05																			
87 82 9.718e+05 3.351e+04 0.03 -870.75 0.0 7648.82 -1.077e+04 -589.66 -																			
6.161e+043.351e+049.718e+05																			
-4.630e+05 -4.196e+04 -1.60e-03 0.0 64.0 7648.82 -1.121e+04 -589.66 -6.161e+04 -																			
4223.742.683e+05										128.0 7648.82 -1.164e+04 -589.66 -6.161e+04 -4.196e+04 -									
4.630e+05																			
88 2 2.354e+06 7.301e+04 -0.03 -1332.05 0.0 5.416e+04 1.557e+04 -																			
738.503.955e+047.301e+04 4.465e+05																			
4.465e+05 -2.152e+04 6.45e-03 0.0 64.0 5.416e+04 1.490e+04 -																			
738.503.955e+042.574e+04 1.422e+06																			
										128.0 5.416e+04 1.424e+04 -738.50 3.955e+04 -									
2.152e+042.354e+06																			
88 3 6.080e+05 3.013e+04 -0.01 -854.08 0.0 1.424e+04 4547.11 -																			
333.641.667e+043.013e+04 8.060e+04																			
8.060e+04 -1.257e+04 2.79e-03 0.0 64.0 1.424e+04 4120.07 -																			
333.641.667e+04 8781.19 3.580e+05																			
										128.0 1.424e+04 3693.04 -333.64 1.667e+04 -									
1.257e+046.080e+05																			
88 28 9.423e+05 3.566e+04 -3.47e-03 -891.64 0.0 1.822e+04 8360.26 -390.92 3769.00 3.566e+04 -																			
6.580e+04																			
-6.580e+04 -1.439e+04 6.52e-03 0.0 64.0 1.822e+04 7914.45 -																			
390.923769.001.064e+044.525e+05																			
										128.0 1.822e+04 7468.63 -390.92 3769.00 -									
1.439e+049.423e+05																			
88 34 9.428e+05 3.497e+04 -2.31e-03 -891.64 0.0 1.747e+04 8697.78 -383.18 1983.98 3.497e+04 -																			
1.191e+05																			
-1.191e+05 -1.409e+04 6.44e-03 0.0 64.0 1.747e+04 8251.96 -																			
383.181983.981.044e+044.261e+05																			
										128.0 1.747e+04 7806.14 -383.18 1983.98 -									
1.409e+049.428e+05																			
88 35 8.718e+05 2.649e+04 -0.03 -891.64 0.0 2.478e+04 4086.62 -																			
251.173.413e+042.649e+04 4.113e+05																			
4.113e+05 -5648.61 -1.11e-03 0.0 64.0 2.478e+04 3640.80 -																			
251.173.413e+041.042e+04 6.558e+05																			
										128.0 2.478e+04 3194.98 -251.17 3.413e+04 -									
5648.618.718e+05																			
88 36 9.475e+05 3.566e+04 -2.62e-03 -891.64 0.0 1.762e+04 8760.81 -391.95 2617.55 3.566e+04 -																			
1.118e+05																			
-1.118e+05 -1.453e+04 6.55e-03 0.0 64.0 1.762e+04 8314.99 -																			
391.952617.551.057e+044.321e+05																			
										128.0 1.762e+04 7869.17 -391.95 2617.55 -									
1.453e+049.475e+05																			
88 60 9.319e+05 3.417e+04 -6.14e-03 -891.64 0.0 1.907e+04 7774.90 -368.79 7861.53 3.417e+04 -																			
3246.65																			
-3246.65 -1.304e+04 5.40e-03 0.0 64.0 1.907e+04 7329.08 -																			
368.797861.531.056e+044.786e+05																			
										128.0 1.907e+04 6883.26 -368.79 7861.53 -									
1.304e+049.319e+05																			
88 66 9.328e+05 3.376e+04 -5.19e-03 -891.64 0.0 1.855e+04 8023.68 -364.44 6655.94 3.376e+04 -																			
4.055e+04																			
-4.055e+04 -1.289e+04 5.36e-03 0.0 64.0 1.855e+04 7577.86 -																			
364.446655.941.044e+044.604e+05																			
										128.0 1.855e+04 7132.04 -364.44 6655.94 -									
1.289e+049.328e+05																			
88 67 8.818e+05 2.770e+04 -0.02 -891.64 0.0 2.370e+04 4760.72 -																			
269.912.946e+042.770e+04 3.328e+05																			
3.328e+05 -6847.35 -4.79e-04 0.0 64.0 2.370e+04 4314.90 -																			
269.912.946e+041.043e+04 6.216e+05																			
										128.0 2.370e+04 3869.08 -269.91 2.946e+04 -									
6847.358.818e+05																			
88 68 9.356e+05 3.416e+04 -5.42e-03 -891.64 0.0 1.864e+04 8061.47 -369.52 7036.14 3.416e+04 -																			
3.617e+04																			
-3.617e+04 -1.314e+04 5.43e-03 0.0 64.0 1.864e+04 7615																			



										128.0	3.722e+04	9770.81	-516.03	2.757e+04	-
1.522e+041.616e+06															
88 77 6.158e+05 2.521e+04 -0.01 -857.10										0.0	1.447e+04	4602.23	-		
270.261.516e+042.521e+04 8.156e+04															
8.156e+04 -9387.37 2.22e-03 0.0										64.0	1.447e+04	4173.68	-		
270.261.516e+04 7909.35 3.624e+05															
										128.0	1.447e+04	3745.13	-270.26	1.516e+04	-
9387.376.158e+05															
88 78 1.109e+06 3.639e+04 -0.02 -914.66										0.0	2.572e+04	7633.25	-		
372.942.074e+043.639e+04 1.909e+05															
1.909e+05 -1.135e+04 3.18e-03 0.0										64.0	2.572e+04	7175.92	-		
372.942.074e+041.252e+04 6.648e+05															
										128.0	2.572e+04	6718.59	-372.94	2.074e+04	-
1.135e+041.109e+06															
88 80 9.248e+05 3.517e+04 -0.01 -891.64										0.0	2.147e+04	6499.61	-		
372.281.975e+043.517e+04 1.499e+05															
1.499e+05 -1.248e+04 3.15e-03 0.0										64.0	2.147e+04	6053.79	-		
372.281.975e+041.135e+04 5.516e+05															
										128.0	2.147e+04	5607.98	-372.28	1.975e+04	-
1.248e+049.248e+05															
88 81 6.158e+05 2.521e+04 -0.01 -857.10										0.0	1.447e+04	4602.23	-		
270.261.516e+042.521e+04 8.156e+04															
8.156e+04 -9387.37 2.22e-03 0.0										64.0	1.447e+04	4173.68	-		
270.261.516e+04 7909.35 3.624e+05															
										128.0	1.447e+04	3745.13	-270.26	1.516e+04	-
9387.376.158e+05															
88 82 9.120e+05 3.192e+04 -0.01 -891.64										0.0	2.122e+04	6420.84	-		
331.871.851e+043.192e+04 1.471e+05															
1.471e+05 -1.056e+04 2.79e-03 0.0										64.0	2.122e+04	5975.02	-		
331.871.851e+041.068e+04 5.438e+05															
										128.0	2.122e+04	5529.20	-331.87	1.851e+04	-
1.056e+049.120e+05															
89 2 1.763e+06 -7019.80 9.94e-03 -1332.05										0.0	6.552e+04	-1051.23	-79.14	-1.310e+04	-
7019.801.763e+06															
1.543e+06 -1.715e+04 1.22e-03 0.0										64.0	6.552e+04	-1717.25	-79.14	-1.310e+04	-
1.208e+041.674e+06															
										128.0	6.552e+04	-2383.28	-79.14	-1.310e+04	-
1.715e+041.543e+06															
89 3 4.298e+05 -7997.35 -1.10e-03 -854.08										0.0	1.793e+04	427.04	0.0	0.0	-
7997.354.161e+05															
4.161e+05 -7997.35 3.35e-04 0.0										64.0	1.793e+04	0.0	0.0	0.0	-
7997.354.298e+05															
										128.0	1.793e+04	-427.04	0.0	0.0	-
7997.354.161e+05															
89 4 1.578e+06 -4975.12 9.94e-03 -1026.77										0.0	5.781e+04	-1203.87	-79.14	-1.310e+04	-
4975.121.578e+06															
1.358e+06 -1.510e+04 1.16e-03 0.0										64.0	5.781e+04	-1717.25	-79.14	-1.310e+04	-
1.004e+041.484e+06															
										128.0	5.781e+04	-2230.64	-79.14	-1.310e+04	-
1.510e+041.358e+06															
89 10 6.422e+05 -4318.55 5.49e-03 -891.64										0.0	2.580e+04	584.81	-27.10	-7973.47	-
4318.556.095e+05															
6.095e+05 -7019.70 1.20e-03 0.0										64.0	2.580e+04	138.99	-27.10	-7973.47	-
5669.136.385e+05															
										128.0	2.580e+04	-306.83	-27.10	-7973.47	-
7019.706.389e+05															
89 11 6.995e+05 -5852.56 -2.49e-03 -891.64										0.0	2.617e+04	-380.08	-4.55	2734.28	-
5852.566.995e+05															
5.823e+05 -7203.19 -7.63e-04 0.0										64.0	2.617e+04	-825.89	-4.55	2734.28	-
6527.876.552e+05															
										128.0	2.617e+04	-1271.71	-4.55	2734.28	-
7203.195.823e+05															
89 28 7.358e+05 -3744.83 0.01 -891.64										0.0	2.604e+04	2047.53	-36.99	-1.724e+04	-
3744.835.343e+05															
5.343e+05 -8709.79 3.84e-03 0.0										64.0	2.604e+04	1601.71	-36.99	-1.724e+04	-
6227.316.493e+05															
										128.0	2.604e+04	1155.89	-36.99	-1.724e+04	-
8709.797.358e+05															
89 30 7.308e+05 -3487.21 0.01 -891.64										0.0	2.593e+04	2047.53	-36.99	-1.724e+04	-
3487.215.293e+05															
5.293e+05 -8452.16 3.84e-03 0.0										64.0	2.593e+04	1601.71	-36.99	-1.724e+04	-
5969.696.443e+05															
										128.0	2.593e+04	1155.89	-36.99	-1.724e+04	-
8452.167.308e+05															
89 33 8.004e+05 -3686.27 -8.26e-03 -891.64										0.0	2.593e+04	-2242.22	-37.48	1.307e+04	-
3686.278.004e+05															
4.597e+05 -8253.10 -3.42e-03 0.0										64.0	2.593e+04	-2688.04	-37.48	1.307e+04	-
5969.696.443e+05															
										128.0	2.593e+04	-3133.86	-37.48	1.307e+04	-
8253.104.597e+05															



89	39	8.054e+05	-3943.90	-8.26e-03	-891.64	0.0	2.604e+04	-2242.22	-37.48	1.307e+04	-
3943.908.054e+05											-
		4.648e+05	-8510.72	-3.42e-03	0.0	64.0	2.604e+04	-2688.04	-37.48	1.307e+04	-
6227.316.493e+05											-
						128.0	2.604e+04	-3133.86	-37.48	1.307e+04	-
8510.724.648e+05											-
89	42	6.421e+05	-4594.34	4.41e-03	-891.64	0.0	2.587e+04	452.02	-23.06	-6322.73	-
4594.346.237e+05											-
		6.237e+05	-7099.73	9.29e-04	0.0	64.0	2.587e+04	6.20	-23.06	-6322.73	-
5847.036.418e+05											-
						128.0	2.587e+04	-439.62	-23.06	-6322.73	-
7099.736.314e+05											-
89	43	6.854e+05	-5576.77	-1.86e-03	-891.64	0.0	2.609e+04	-247.28	-8.60	1083.55	-
5576.776.854e+05											-
		5.898e+05	-7123.15	-4.92e-04	0.0	64.0	2.609e+04	-693.10	-8.60	1083.55	-
6349.966.518e+05											-
						128.0	2.609e+04	-1138.92	-8.60	1083.55	-
7123.155.898e+05											-
89	60	6.985e+05	-4169.37	8.71e-03	-891.64	0.0	2.602e+04	1469.31	-30.28	-1.305e+04	-
4169.375.696e+05											-
		5.696e+05	-8178.51	2.80e-03	0.0	64.0	2.602e+04	1023.50	-30.28	-1.305e+04	-
6173.946.483e+05											-
						128.0	2.602e+04	577.68	-30.28	-1.305e+04	-
8178.516.985e+05											-
89	62	6.955e+05	-4018.49	8.71e-03	-891.64	0.0	2.595e+04	1469.31	-30.28	-1.305e+04	-
4018.495.666e+05											-
		5.666e+05	-8027.63	2.80e-03	0.0	64.0	2.595e+04	1023.50	-30.28	-1.305e+04	-
6023.066.453e+05											-
						128.0	2.595e+04	577.68	-30.28	-1.305e+04	-
8027.636.955e+05											-
89	65	7.578e+05	-4159.18	-5.35e-03	-891.64	0.0	2.595e+04	-1550.41	-30.17	8576.46	-
4159.187.578e+05											-
		5.043e+05	-7886.94	-2.37e-03	0.0	64.0	2.595e+04	-1996.23	-30.17	8576.46	-
6023.066.453e+05											-
						128.0	2.595e+04	-2442.05	-30.17	8576.46	-
7886.945.043e+05											-
89	71	7.608e+05	-4310.06	-5.35e-03	-891.64	0.0	2.602e+04	-1550.41	-30.17	8576.46	-
4310.067.608e+05											-
		5.073e+05	-8037.82	-2.37e-03	0.0	64.0	2.602e+04	-1996.23	-30.17	8576.46	-
6173.946.483e+05											-
						128.0	2.602e+04	-2442.05	-30.17	8576.46	-
8037.825.073e+05											-
89	73	4.461e+05	-7255.45	-1.14e-03	-857.10	0.0	1.850e+04	428.55	0.0	0.0	-
7255.454.324e+05											-
		4.324e+05	-7255.45	3							



6.133e+05	-7528.90	3.95e-04	0.0	64.0	2.611e+04	-343.45	-15.83	-2619.59	-			
6515.956495e+05				128.0	2.611e+04	-789.27	-15.83	-2619.59	-			
7528.906133e+05												
90	2	2.320e+06	5.975e+04	0.05	-1261.89	0.0	5.058e+04	-1.539e+04	567.56-6.267e+04	-		
1.290e+042.320e+06												
		2.699e+05	-1.290e+04	-4.39e-03	0.0	64.0	5.058e+04	-1.602e+04	567.56	-		
6.267e+042.343e+041.315e+06												
						128.0	5.058e+04	-1.665e+04	567.56	-		
6.267e+045.975e+042.699e+05												
90	3	6.080e+05	3.013e+04	0.01	-854.08	0.0	1.424e+04	-3693.04	333.64-1.667e+04	-		
1.257e+046.080e+05												
		8.060e+04	-1.257e+04	-2.79e-03	0.0	64.0	1.424e+04	-4120.07	333.64	-		
1.667e+048781.193580e+05												
						128.0	1.424e+04	-4547.11	333.64	-		
1.667e+043.013e+048.060e+04												
90	5	8.821e+05	4.171e+04	0.01	-1159.35	0.0	2.058e+04	-5369.98	458.39-2.366e+04	-		
1.696e+048.821e+05												
		1.205e+05	-1.696e+04	-3.83e-03	0.0	64.0	2.058e+04	-5949.66	458.39	-		
2.366e+041.237e+045.198e+05												
						128.0	2.058e+04	-6529.33	458.39	-		
2.366e+044.171e+041.205e+05												
90	31	9.355e+05	3.301e+04	6.69e-03	-877.61	0.0	1.750e+04	-7698.61	356.73-8393.16	-		
1.266e+049.355e+05												
		-1.011e+05	-1.266e+04	-6.10e-03	0.0	64.0	1.750e+04	-8137.41	356.73	-		
8393.161017e+044.312e+05												
						128.0	1.750e+04	-8576.21	356.73-8393.16	3.301e+04	-	
1.011e+05												
90	37	9.360e+05	3.232e+04	5.26e-03	-877.61	0.0	1.675e+04	-8036.12	348.99-6608.14	-		
1.236e+049.360e+05												
		-1.544e+05	-1.236e+04	-6.01e-03	0.0	64.0	1.675e+04	-8474.93	348.99	-		
6608.149978.66	4.048e+05											
						128.0	1.675e+04	-8913.73	348.99	-6608.14	3.232e+04	-
1.544e+05												
90	39	9.407e+05	3.301e+04	5.66e-03	-877.61	0.0	1.690e+04	-8099.15	357.76-7241.71	-		
1.280e+049.407e+05												
		-1.471e+05	-1.280e+04	-6.13e-03	0.0	64.0	1.690e+04	-8537.96	357.76	-		
7241.711010e+044.109e+05												
						128.0	1.690e+04	-8976.76	357.76	-7241.71	3.301e+04	-
1.471e+05												
90	40	8.650e+05	2.384e+04	0.03	-877.61	0.0	2.407e+04	-3424.96	216.98-3.875e+04	-		
3923.638650e+05												
		3.760e+05	-3923.63	1.54e-03	0.0	64.0	2.407e+04	-3863.76	216.98	-		
3.875e+049958.806346e+05												
						128.0	2.407e+04	-4302.56	216.98	-		
3.875e+042.384e+043.760e+05												



4.298e+044.199e+041.852e+05					128.0	3.484e+04	-1.146e+04	402.07	-
90 75 6.345e+05 2.995e+04	0.01	-857.10	0.0	1.484e+04	-3859.71	329.04	-1.696e+04	-	
1.217e+046.345e+05									
8.560e+04 -1.217e+04	-2.74e-03	0.0	64.0	1.484e+04	-4288.26	329.04	-		
1.696e+048887.783.738e+05									
1.696e+042.995e+048.560e+04			128.0	1.484e+04	-4716.81	329.04	-		
90 77 6.158e+05 2.521e+04	0.01	-857.10	0.0	1.447e+04	-3745.13	270.26	-1.516e+04	-	
9387.376.158e+05									
8.156e+04 -9387.37	-2.22e-03	0.0	64.0	1.447e+04	-4173.68	270.26	-		
1.516e+047909.353.624e+05									
1.516e+042.521e+048.156e+04			128.0	1.447e+04	-4602.23	270.26	-		
90 78 1.098e+06 3.197e+04	0.02	-891.28	0.0	2.452e+04	-7101.89	315.96	-2.845e+04	-	
8471.991.098e+06									
1.320e+05 -8471.99	-2.49e-03	0.0	64.0	2.452e+04	-7547.53	315.96	-		
2.845e+041.175e+046.293e+05									
2.845e+043.197e+041.320e+05			128.0	2.452e+04	-7993.16	315.96	-		
90 79 6.287e+05 2.847e+04	0.01	-857.10	0.0	1.472e+04	-3823.90	310.67	-1.640e+04	-	
1.130e+046.287e+05									
8.434e+04 -1.130e+04	-2.58e-03	0.0	64.0	1.472e+04	-4252.45	310.67	-		
1.640e+048582.023.702e+05									
1.640e+042.847e+048.434e+04			128.0	1.472e+04	-4681.00	310.67	-		
90 80 9.180e+05 3.252e+04	0.02	-877.61	0.0	2.075e+04	-5837.96	338.09	-2.437e+04	-	
1.075e+049.180e+05									
1.146e+05 -1.075e+04	-2.73e-03	0.0	64.0	2.075e+04	-6276.76	338.09	-		
2.437e+041.089e+045.303e+05									
2.437e+043.252e+041.146e+05			128.0	2.075e+04	-6715.56	338.09	-		
90 81 6.158e+05 2.521e+04	0.01	-857.10	0.0	1.447e+04	-3745.13	270.26	-1.516e+04	-	
9387.376.158e+05									
8.156e+04 -9387.37	-2.22e-03	0.0	64.0	1.447e+04	-4173.68	270.26	-		
1.516e+047909.353.624e+05									
1.516e+042.521e+048.156e+04			128.0	1.447e+04	-4602.23	270.26	-		
90 82 9.052e+05 2.926e+04	0.02	-877.61	0.0	2.050e+04	-5759.18	297.68	-2.313e+04	-	
8838.149.052e+05									
1.118e+05 -8838.14	-2.38e-03	0.0	64.0	2.050e+04	-6197.99	297.68	-		
2.313e+041.021e+045.225e+05									
2.313e+042.926e+041.118e+05			128.0	2.050e+04	-6636.79	297.68	-		
91 2 2.285e+06 1.011e+05	0.07	-1261.89	0.0	1.182e+04	-2.655e+04	-1883.68	-		
1.779e+051.011e+052.285e+06									
-1.194e+06 -1.400e+05	-4.92e-03	0.0	64.0	1.182e+04	-2.718e+04	-1883.68	-1.779e+05	-	
1.941e+045.656e+05									
1.194e+06			128.0	1.182e+04	-2.781e+04	-1883.68	-1.779e+05	-1.400e+05	
91 7 6.964e+05 4.188e+04	0.02	-854.08	0.0	2579.89	-7406.74	-727.60	-		
7.704e+044.188e+046.964e+05									
-3.063e+05 -5.125e+04	-3.63e-03	0.0	64.0	2579.89	-7833.78	-727.60	-7.704e+04	-	
4685.432.087e+05									
3.063e+05			128.0	2579.89	-8260.81	-727.60	-7.704e+04	-5.125e+04	
91 24 9.633e+05 4.404e+04	0.03	-877.61	0.0	6483.65	-1.010e+04	-777.87	-		
8.007e+044.404e+049.633e+05									
-3.980e+05 -5.575e+04	-1.37e-03	0.0	64.0	6483.65	-1.054e+04	-777.87	-8.007e+04	-	
5855.432.967e+05									
3.980e+05			128.0	6483.65	-1.097e+04	-777.87	-8.007e+04	-5.575e+04	
91 35 8.687e+05 4.218e+04	0.01	-877.61	0.0	-2851.80	-1.301e+04	-864.92	-		
6.011e+044.218e+048.687e+05									
-8.450e+05 -6.810e+04	-6.75e-03	0.0	64.0	-2851.80	-1.345e+04	-864.92	-6.011e+04	-	
1.296e+042.591e+04									
8.450e+05			128.0	-2851.80	-1.389e+04	-864.92	-6.011e+04	-6.810e+04	
91 38 9.945e+05 4.337e+04	0.04	-877.61	0.0	1.209e+04	-8287.61	-703.50	-		
8.638e+044.337e+049.945e+05									
-1.196e+05 -4.710e+04	2.01e-03	0.0	64.0	1.209e+04	-8726.41	-703.50	-8.638e+04	-	
1864.144.515e+05									
1.196e+05			128.0	1.209e+04	-9165.21	-703.50	-8.638e+04	-4.710e+04	
91 39 8.697e+05 4.219e+04	0.01	-877.61	0.0	-2880.90	-1.302e+04	-863.79	-		
6.032e+044.219e+048.697e+05									
-8.554e+05 -6.795e+04	-6.81e-03	0.0	64.0	-2880.90	-1.345e+04	-863.79	-6.032e+04	-	
1.288e+042.121e+04									
8.554e+05			128.0	-2880.90	-1.389e+04	-863.79	-6.032e+04	-6.795e+04	



91	40	1.001e+06	4.397e+04	0.04	-877.61	0.0	1.189e+04	-8372.30	-713.56	-	
8.792e+044.397e+041.001e+06											
		-1.311e+05	-4.785e+04	1.87e-03	0.0	64.0	1.189e+04	-8811.10	-713.56	-8.792e+04	-
1938.144.492e+05											
						128.0	1.189e+04	-9249.91	-713.56	-8.792e+04	-4.785e+04 -
1.311e+05											
91	67	8.878e+05	4.236e+04	0.02	-877.61	0.0	-661.88	-1.231e+04	-839.61	-	
6.385e+044.236e+048.878e+05											
		-7.399e+05	-6.489e+04	-5.50e-03	0.0	64.0	-661.88	-1.275e+04	-839.61	-6.385e+04	-
1.127e+048.798e+04											
						128.0	-661.88	-1.319e+04	-839.61	-6.385e+04	-6.489e+04 -
7.399e+05											
91	70	9.758e+05	4.319e+04	0.04	-877.61	0.0	9888.99	-8986.93	-728.29	-	
8.271e+044.319e+049.758e+05											
		-2.289e+05	-5.024e+04	9.16e-04	0.0	64.0	9888.99	-9425.73	-728.29	-8.271e+04	-
3525.093.875e+05											
						128.0	9888.99	-9864.54	-728.29	-8.271e+04	-5.024e+04 -
2.289e+05											
91	71	8.883e+05	4.237e+04	0.02	-877.61	0.0	-680.34	-1.232e+04	-839.00	-	
6.398e+044.237e+048.883e+05											
		-7.461e+05	-6.481e+04	-5.53e-03	0.0	64.0	-680.34	-1.275e+04	-839.00	-6.398e+04	-
1.122e+048.518e+04											
						128.0	-680.34	-1.319e+04	-839.00	-6.398e+04	-6.481e+04 -
7.461e+05											
91	72	9.799e+05	4.354e+04	0.04	-877.61	0.0	9767.35	-9037.33	-734.29	-	
8.363e+044.354e+049.799e+05											
		-2.358e+05	-5.069e+04	8.46e-04	0.0	64.0	9767.35	-9476.13	-734.29	-8.363e+04	-
3572.723.861e+05											
						128.0	9767.35	-9914.93	-734.29	-8.363e+04	-5.069e+04 -
2.358e+05											
91	74	1.575e+06	7.028e+04	0.05	-925.46	0.0	8096.82	-1.826e+04	-1306.31	-	
1.235e+057.028e+041.575e+06											
		-8.215e+05	-9.692e+04	-3.50e-03	0.0	64.0	8096.82	-1.872e+04	-1306.31	-1.235e+05	-
1.332e+043.916e+05											
						128.0	8096.82	-1.919e+04	-1306.31	-1.235e+05	-9.692e+04 -
8.215e+05											
91	75	7.073e+05	3.959e+04	0.02	-857.10	0.0	2855.77	-7667.27	-694.65	-	
7.124e+043.959e+047.073e+05											
		-3.290e+05	-4.933e+04	-3.19e-03	0.0	64.0	2855.77	-8095.82	-694.65	-7.124e+04	-
4871.442.028e+05											
						128.0	2855.77	-8524.37	-694.65	-7.124e+04	-4.933e+04 -
3.290e+05											
91	78	1.115e+06	5.054e+04	0.03	-891.28	0.0	5604.90	-1.282e+04	-931.52	-	
8.747e+045.054e+041.115e+06											
		-5.831e+05	-6.869e+04	-2.71e-03	0.0	64.0	5604.90	-1.327e+04	-931.52	-8.747e+04	-
9072.252.803e+05											
						128.0	5604.90	-1.371e+04	-931.52	-8.747e+04	-6.869e+04 -
5.831e+05											
91	79	6.977e+05	3.796e+04	0.02	-857.10	0.0	2903.40	-7614.86	-669.11	-	
6.757e+043.796e+046.977e+05											
		-3.319e+05	-4.769e+04	-2.96e-03	0.0	64.0	2903.40	-8043.41	-669.11	-6.757e+04	-
4862.791.966e+05											
						128.0	2903.40	-8471.96	-669.11	-6.757e+04	-4.769e+04 -
3.319e+05											
91	81	6.765e+05	3.438e+04	0.02	-857.10	0.0	3008.19	-7499.58	-612.92	-	
5.950e+043.438e+046.765e+05											
		-3.383e+05	-4.407e+04	-2.44e-03	0.0	64.0	3008.19	-7928.13	-612.92	-5.950e+04	-
4843.761.828e+05											
						128.0	3008.19	-8356.68	-612.92	-5.950e+04	-4.407e+04 -
3.383e+05											
91	82	9.398e+05	4.408e+04	0.03	-877.61	0.0	4566.22	-1.069e+04	-804.08	-	
7.628e+044.408e+049.398e+05											
		-4.852e+05	-5.884e+04	-2.60e-03	0.0	64.0	4566.22	-1.113e+04	-804.08	-7.628e+04	-
7380.852.413e+05											
						128.0	4566.22	-1.157e+04	-804.08	-7.628e+04	-5.884e+04 -
4.852e+05											
92	2	1.177e+05	7.465e+04	-2.01e-04	-1231.19	0.0	3008.69	-621.98	-		
598.791.555e+057.465e+04 1.177e+05											
		-4.068e+04	-1999.13	0.01	0.0	64.0	3008.69	-1237.58	-		
598.791.555e+053.632e+04 5.823e+04											
						128.0	3008.69	-1853.17	-598.79	1.555e+05	-1999.13 -
4.068e+04											
92	3	3.348e+04	2.465e+04	-8.70e-05	-840.27	0.0	921.53	4.12	-		
240.876.135e+042.465e+04 3.348e+04											
		-1.976e+04	-6182.38	6.04e-03	0.0	64.0	921.53	-416.01	-		
240.876.135e+04 9233.47 2.030e+04											
						128.0	921.53	-836.15	-240.87	6.135e+04	-6182.38 -
1.976e+04											
92	5	4.923e+04	3.467e+04	-1.22e-04	-1137.79	0.0	1331.92	-32.61	-		
333.978.605e+043.467e+04 4.923e+04											



	-2.776e+04	-8083.56	8.33e-03	0.0	64.0	1331.92	-601.50	-				
333.978.605e+04	1.329e+04	2.894e+04										
					128.0	1331.92	-1170.40	-333.97	8.605e+04	-8083.56	-	
2.776e+04												
92	34	1.536e+04	3.261e+04	-4.63e-05	-860.58	0.0	-79.93	835.01	-289.13	5.933e+04	3.261e+04	-
3.645e+04												
		-3.645e+04	-4419.75	0.01	0.0	64.0	-79.93	404.72	-			
289.135.933e+04	1.409e+04	3221.30										
						128.0	-79.93	-25.57	-289.13	5.933e+04		-
4419.751.536e+04												
92	35	1.300e+05	2.762e+04	-1.65e-04	-860.58	0.0	2574.02	-1053.34	-			
218.517.718e+04	2.762e+04	1.300e+05										
		-5.994e+04	-330.28	1.51e-03	0.0	64.0	2574.02	-1483.63	-			
218.517.718e+04	1.365e+04	4.878e+04										
						128.0	2574.02	-1913.92	-218.51	7.718e+04	-330.28	-
5.994e+04												
92	36	1.447e+04	3.304e+04	-4.81e-05	-860.58	0.0	-31.31	804.54	-294.50	6.025e+04	3.304e+04	-
3.367e+04												
		-3.367e+04	-4678.80	0.01	0.0	64.0	-31.31	374.25	-			
294.506.025e+04	1.418e+04	4052.79										
						128.0	-31.31	-56.04	-294.50	6.025e+04		-
4678.801.424e+04												
92	66	1.112e+04	3.189e+04	-6.11e-05	-860.58	0.0	312.71	556.40	-279.10	6.196e+04	3.189e+04	-
1.188e+04												
		-1.188e+04	-3842.95	9.31e-03	0.0	64.0	312.71	126.11	-			
279.106.196e+04	1.402e+04	9961.16										
						128.0	312.71	-304.18	-279.10	6.196e+04		-
3842.954263.67												
92	67	1.054e+05	2.834e+04	-1.46e-04	-860.58	0.0	2181.39	-774.73	-			
228.537.455e+04	2.834e+04	1.054e+05										
		-4.885e+04	-907.08	2.81e-03	0.0	64.0	2181.39	-1205.02	-			
228.537.455e+04	1.371e+04	4.204e+04										
						128.0	2181.39	-1635.31	-228.53	7.455e+04	-907.08	-
4.885e+04												
92	68	1.133e+04	3.215e+04	-6.23e-05	-860.58	0.0	342.00	538.03	-282.24	6.250e+04	3.215e+04	-
1.020e+04												
		-1.020e+04	-3993.63	9.40e-03	0.0	64.0	342.00	107.74	-			
282.246.250e+04	1.408e+04	1.046e+04										
						128.0	342.00	-322.55	-282.24	6.250e+04		-
3993.633588.44												
92	73	3.458e+04	2.419e+04	-8.82e-05	-841.90	0.0	945.23	-6.07	-			
229.555.990e+04	2.419e+04	3.458e+04										
		-2.008e+04	-5192.31	5.69e-03	0.0	64.0	945.23	-4				



1.978e+04						128.0	917.86	-835.91	-206.13	5.538e+04	-3886.34	-
92	82	4.721e+04	3.073e+04	-1.03e-04	-860.58	0.0	1257.00	-113.55	-			
262.336.990e+04	3.073e+04	4.721e+04										
		-2.240e+04	-2849.91	6.30e-03	0.0	64.0	1257.00	-543.84	-			
262.336.990e+04	1.394e+04	2.617e+04										
						128.0	1257.00	-974.13	-262.33	6.990e+04	-2849.91	-
2.240e+04												
93	2	4.390e+04	3414.61	-1.56e-04	-1231.19	0.0	2069.75	804.63	-68.99	-		
2.092e+04	3414.61	1.031e+04	-5415.69	1.10e-03	0.0	64.0	2069.75	189.04	-68.99	-2.092e+04		-
1000.544.210e+04												
						128.0	2069.75	-426.55	-68.99	-2.092e+04		-
5415.693.450e+04												
93	3	1.409e+04	-4569.16	-7.04e-05	-840.27	0.0	559.38	420.13	0.0	0.0		-
4569.16	641.91											
		641.91	-4569.16	1.92e-04	0.0	64.0	559.38	0.0	0.0	0.0		-
4569.161.409e+04												
						128.0	559.38	-420.13	0.0	0.0		-
4569.16	641.91											
93	4	3.885e+04	4188.25	-1.29e-04	-933.66	0.0	1830.57	655.87	-68.99	-		
2.092e+04	4188.25	9373.91										
		9373.91	-4642.04	1.10e-03	0.0	64.0	1830.57	189.04	-68.99	-2.092e+04		-
226.903.641e+04												
						128.0	1830.57	-277.79	-68.99	-2.092e+04		-
4642.043.357e+04												
93	6	3.651e+04	139.40	-1.39e-04	-1203.17	0.0	1699.14	733.91	-48.29	-		
1.465e+04	139.40	7871.98										
		7871.98	-6041.81	7.68e-04	0.0	64.0	1699.14	132.33	-48.29	-1.465e+04		-
2951.213.559e+04												
						128.0	1699.14	-469.26	-48.29	-1.465e+04		-
6041.812.481e+04												
93	14	2.220e+04	-822.41	-8.16e-05	-860.58	0.0	790.35	661.37	-12.87	-8867.76	-822.41	-
1.033e+04												
		-1.033e+04	-1999.33	1.35e-03	0.0	64.0	790.35	231.08	-12.87	-8867.76		-
1410.871.824e+04												
						128.0	790.35	-199.21	-12.87	-8867.76		-
1999.331.928e+04												
93	15	2.048e+04	-843.62	-8.26e-05	-860.58	0.0	825.40	274.83	-14.72	499.13		-
843.621.487e+04												
		-5052.86	-3198.82	-9.10e-04	0.0	64.0	825.40	-155.46	-14.72	499.13		-
2021.221.868e+04												
						128.0	825.40	-585.75	-14.72	499.13	-3198.82	-
5052.86												
93	34	4.355e+04	-1562.23	-8.45e-05	-860.58	0.0	802.62	1038.45	-2.08	-1.643e+04	-1562.23	



93	66	3.283e+04	-1318.95	-8.34e-05	-860.58	0.0	804.73	870.55	-6.01	-1.286e+04	-1318.95	-
2.353e+04		-2.353e+04	-2005.64	3.16e-03	0.0	64.0	804.73	440.26	-6.01	-1.286e+04	-	-
1662.301.842e+04							128.0	804.73	9.97	-6.01	-1.286e+04	-
2005.643.283e+04												-
93	67	2.838e+04	-347.07	-8.31e-05	-860.58	0.0	811.02	65.65	-21.59	4488.31	-	-
347.072.807e+04		-1.861e+04	-3192.51	-2.72e-03	0.0	64.0	811.02	-364.64	-21.59	4488.31	-	-
1769.791.850e+04							128.0	811.02	-794.93	-21.59	4488.31	-3192.51
1.861e+04												-
93	69	2.830e+04	-239.58	-8.29e-05	-860.58	0.0	804.73	65.65	-21.59	4488.31	-	-
239.582.799e+04		-1.869e+04	-3085.01	-2.72e-03	0.0	64.0	804.73	-364.64	-21.59	4488.31	-	-
1662.301.842e+04							128.0	804.73	-794.93	-21.59	4488.31	-3085.01
1.869e+04												-
93	72	3.291e+04	-1426.45	-8.36e-05	-860.58	0.0	811.02	870.55	-6.01	-1.286e+04	-1426.45	-
2.345e+04		-2.345e+04	-2113.13	3.16e-03	0.0	64.0	811.02	440.26	-6.01	-1.286e+04	-	-
1769.791.850e+04							128.0	811.02	9.97	-6.01	-1.286e+04	-
2113.133.291e+04												-
93	73	1.436e+04	-3863.41	-7.11e-05	-841.90	0.0	574.86	420.95	0.0	0.0	-	-
3863.41	890.18						64.0	574.86	0.0	0.0	0.0	-
3863.411.436e+04		890.18	-3863.41	1.62e-04	0.0	64.0	574.86	0.0	0.0	0.0	0.0	-
							128.0	574.86	-420.95	0.0	0.0	-
3863.41	890.18											-
93	74	3.036e+04	1974.86	-1.11e-04	-904.17	0.0	1422.32	578.11	-45.99	-	-	-
1.395e+04	1974.86	6711.52										-
	6711.52		-3912.00	7.31e-04	0.0	64.0	1422.32	126.03	-45.99	-1.395e+04	-	-
968.572.924e+04							128.0	1422.32	-326.06	-45.99	-1.395e+04	-
3912.002.284e+04												-
93	76	2.543e+04	-202.93	-9.90e-05	-885.49	0.0	1175.15	530.96	-32.19	-9763.40	-	-
202.935086.56		5086.56	-4323.73	5.12e-04	0.0	64.0	1175.15	88.22	-32.19	-9763.40	-	-
2263.332.490e+04							128.0	1175.15	-354.52	-32.19	-9763.40	-
4323.731.638e+04												-
93	77	1.409e+04	-2925.54	-7.05e-05	-841.90	0.0	559.30	420.95	0.0	0.0	-	-
2925.54	623.00						64.0	559.30	0.0	0.0	0.0	-
2925.541.409e+04		623.00	-2925.54	1.23e-04	0.0	64.0	559.30	0.0	0.0	0.0	0.0	-
							128.0	559.30	-420.95	0.0	0.0	-
2925.54	623.00											-
93	78	2.182e+04	-6.40	-9.02e-05	-873.03	0.0	983.03	499.53	-23.00	-6973.85	-	-
6.403533.67		3533.67	-2949.83	3.66e-04	0.0	64.0	983.03	63.01	-23.00	-6973.85	-	-
1478.122.154e+04							128.0	98				



[illegible]



5.990e+042.419e+043.458e+04	128.0	945.23	6.07	229.55	-
94 81 3.334e+04 2.250e+04 -8.69e-05 -841.90	0.0	917.86	835.91	206.13-5.538e+04	-3886.34 -
1.978e+04 -1.978e+04 -3886.34 -5.04e-03 0.0	64.0	917.86	414.96	206.13	-
5.538e+049306.232.025e+04	128.0	917.86	-5.99	206.13	-
5.538e+042.250e+043.334e+04	128.0	917.86	-5.99	206.13	-
94 82 5.724e+04 2.696e+04 -1.09e-04 -852.99	0.0	1402.36	1086.79	229.54-7.449e+04	-2418.33 -
2.728e+04 -2.728e+04 -2418.33 -5.76e-03 0.0	64.0	1402.36	660.29	229.54	-
7.449e+041.227e+042.863e+04	128.0	1402.36	233.79	229.54	-
7.449e+042.696e+045.724e+04	128.0	1402.36	233.79	229.54	-
95 2 5.355e+05 8.399e+04 -5.45e-04 -1193.25	0.0	1.037e+04	6379.38	-1238.89-5.875e+05	8.399e+04 -
2.047e+05 -2.047e+05 -7.459e+04 -0.04 0.0	64.0	1.037e+04	5782.76	-1238.89	-
5.875e+054696.651.844e+05	128.0	1.037e+04	5186.14	-1238.89-5.875e+05	-
7.459e+045.355e+05	128.0	1.037e+04	5186.14	-1238.89-5.875e+05	-
95 3 1.219e+05 3.067e+04 -1.60e-04 -840.27	0.0	2493.30	1795.43	-391.85-2.478e+05	3.067e+04 -
5.417e+04 -5.417e+04 -1.949e+04 -0.02 0.0	64.0	2493.30	1375.29	-391.85	-
2.478e+055587.454.729e+04	128.0	2493.30	955.16	-391.85-2.478e+05	-
1.949e+041.219e+05	128.0	2493.30	955.16	-391.85-2.478e+05	-
95 33 6420.56 3.791e+04 -2.62e-05 -852.99	0.0	-573.14	30.76	-699.76	-
2.668e+053.791e+046387.75	128.0	2493.30	955.16	-391.85-2.478e+05	-
-4.427e+04 -5.132e+04 -0.02 0.0	64.0	-573.14	-395.74	-699.76-2.668e+05	-6702.26 -
5291.63	128.0	-573.14	-822.23	-699.76-2.668e+05	-5.132e+04 -
4.427e+04	128.0	-573.14	-822.23	-699.76-2.668e+05	-5.132e+04 -
95 35 8131.58 3.835e+04 -2.35e-05 -852.99	0.0	-662.10	-20.31	-689.12	-
2.706e+053.835e+048131.58	128.0	-662.10	-873.30	-689.12-2.706e+05	-5990.59 -
-4.906e+04 -5.033e+04 -0.02 0.0	64.0	-662.10	-446.81	-689.12-2.706e+05	-5.033e+04 -
6817.15	128.0	-662.10	-873.30	-689.12-2.706e+05	-5.033e+04 -
4.906e+04	128.0	-662.10	-873.30	-689.12-2.706e+05	-5.033e+04 -
95 37 8734.11 3.797e+04 -2.26e-05 -852.99	0.0	-695.86	-38.80	-697.98	-
2.666e+053.797e+048734.11	128.0	-695.86	-891.79	-697.98-2.666e+05	-5.125e+04 -
-5.082e+04 -5.125e+04 -0.02 0.0	64.0	-695.86	-465.29	-697.98-2.666e+05	-6637.37 -
7397.51	128.0	-695.86	-891.79	-697.98-2.666e+05	-5.125e+04 -
5.082e+04	128.0	-695.86	-891.79	-697.98-2.666e+05	-5.125e+04 -
95 40 4.350e+05 3.551e+04 -4.33e-04 -852.99	0.0	8331.61	5130.91	-359.32-2.563e+05	3.551e+04 -
1.671e+05 -1.671e+05 -1.060e+04 -0.01 0.0	64.0	8331.61	4704.41	-359.32	-
2.563e+051.245e+041.476e+05	128.0	8331.61	4277.92	-359.32-2.563e+05	-
1.060e+044.350e+05	128.0	8331.61	4277.92	-359.32-2.563e+05	-
95 65 2.545e+04 3.754e+04 -7.85e-05 -852.99	0.0	712.92	766.92	-647.06-2.654e+05	3.754e+04 -
1.864e+04 -1.864e+04 -4.508e+04 -0.02 0.0	64.0	712.92	340.42	-647.06-2.654e+05	-
3769.201.679e+04	128.0	712.92	-86.07	-647.06-2.654e+05	-
4.508e+042.493e+04	128.0	712.92	-86.07	-647.06-2.654e+05	-
95 67 2.308e+04 3.780e+04 -7.61e-05 -852.99	0.0	659.78	736.38	-640.74-2.677e+05	3.780e+04 -
1.760e+04 -1.760e+04 -4.449e+04 -0.02 0.0	64.0	659.78	309.89	-640.74-2.677e+05	-
3346.311.588e+04	128.0	659.78	-116.61	-640.74-2.677e+05	-
4.449e+042.206e+04	128.0	659.78	-116.61	-640.74-2.677e+05	-
95 69 2.218e+04 3.758e+04 -7.52e-05 -852.99	0.0	639.20	725.12	-646.03-2.654e+05	3.758e+04 -
1.723e+04 -1.723e+04 -4.504e+04 -0.02 0.0	64.0	639.20	298.62	-646.03-2.654e+05	-
3731.011.553e+04	128.0	639.20	-127.87	-646.03-2.654e+05	-
4.504e+042.099e+04	128.0	639.20	-127.87	-646.03-2.654e+05	-
95 72 3.632e+05 3.591e+04 -3.71e-04 -852.99	0.0	6996.55	4366.99	-411.28-2.576e+05	3.591e+04 -
1.412e+05 -1.412e+05 -1.681e+04 -0.01 0.0	64.0	6996.55	3940.49	-411.28	-
2.576e+059547.961.247e+05	128.0	6996.55	3514.00	-411.28-2.576e+05	-
1.681e+043.632e+05	128.0	6996.55	3514.00	-411.28-2.576e+05	-
95 73 1.252e+05 3.060e+04 -1.63e-04 -841.90	0.0	2556.28	1831.60	-402.96-2.389e+05	3.060e+04 -
5.537e+04 -5.537e+04 -2.098e+04 -0.02 0.0	64.0	2556.28	1410.65	-402.96	-
2.389e+054811.644.838e+04	128.0	2556.28	989.70	-402.96-2.389e+05	-
2.098e+041.252e+05	128.0	2556.28	989.70	-402.96-2.389e+05	-



95	74	3.660e+05	5.834e+04	-3.77e-04	-878.87	0.0	7103.47	4398.92	-857.06	-4.102e+05	5.834e+04	-
1.408e+05		-1.408e+05	-5.137e+04	-0.03	0.0	64.0	7103.47	3959.48	-857.06	-		
4.102e+05	53485.061	2.67e+05										
						128.0	7103.47	3520.05	-857.06	-4.102e+05		-
5.137e+04	3.660e+05											
95	77	1.213e+05	2.900e+04	-1.59e-04	-841.90	0.0	2481.07	1790.72	-395.23	-2.178e+05	2.900e+04	-
5.405e+04		-5.405e+04	-2.159e+04	-0.02	0.0	64.0	2481.07	1369.77	-395.23	-		
2.178e+05	3707.834	709e+04										
						128.0	2481.07	948.82	-395.23	-2.178e+05		-
2.159e+04	1.213e+05											
95	78	2.417e+05	4.287e+04	-2.66e-04	-860.39	0.0	4754.66	3074.38	-622.28	-3.034e+05	4.287e+04	-
9.677e+04		-9.677e+04	-3.678e+04	-0.02	0.0	64.0	4754.66	2644.19	-622.28	-		
3.034e+05	3044.548	623e+04										
						128.0	4754.66	2214.00	-622.28	-3.034e+05		-
3.678e+04	2.417e+05											
95	81	1.213e+05	2.900e+04	-1.59e-04	-841.90	0.0	2481.07	1790.72	-395.23	-2.178e+05	2.900e+04	-
5.405e+04		-5.405e+04	-2.159e+04	-0.02	0.0	64.0	2481.07	1369.77	-395.23	-		
2.178e+05	3707.834	709e+04										
						128.0	2481.07	948.82	-395.23	-2.178e+05		-
2.159e+04	1.213e+05											
95	82	1.935e+05	3.732e+04	-2.23e-04	-852.99	0.0	3845.22	2560.92	-531.46	-2.691e+05	3.732e+04	-
7.968e+04		-7.968e+04	-3.070e+04	-0.02	0.0	64.0	3845.22	2134.42	-531.46	-		
2.691e+05	3309.867	057e+04										
						128.0	3845.22	1707.93	-531.46	-2.691e+05		-
3.070e+04	1.935e+05											
96	2	3.245e+05	2.500e+04	-0.52	-1.084e+04	0.0	1.501e+04	9116.49	151.31	2.556e+04	-2.817e+04	-
1.021e+06		-1.021e+06	-2.817e+04	8.36e-03	0.0	175.7	1.501e+04	3695.30	151.31	2.556e+04		-
1583.701	047e+05											
						351.4	1.501e+04	-				
1725.89	151.31	2.556e+04	2.500e+04	2.777e+05								
96	3	1.340e+05	5467.05	-0.21	-3077.29	0.0	5833.41	3124.21	32.68	5565.83	-6016.35	-
4.232e+05		-4.232e+05	-6016.35	1.33e-03	0.0	175.7	5833.41	1585.56	32.68	5565.83	-274.65	-
9447.85												
						351.4	5833.41	46.91	32.68	5565.83	5467.05	1.3
40e+05												
96	26	1.553e+05	1.085e+04	-0.25	-4522.57	0.0	6242.22	3831.73	65.69	1.531e+04	-1.224e+04	-
4.207e+05		-4.207e+05	-1.224e+04	0.02	0.0	175.7	6242.22	1570.45	65.69	1.531e+04		-
696.625	747e+04											
						351.4	6242.22	-				
690.846												



677.315.342e+04	-4.326e+05	-1.153e+04	0.01	0.0	175.7	6405.83	1622.25	61.80	1.389e+04	-
					351.4	6405.83	-			
639.0361.801.389e+041.018e+041.422e+05	96	71	1.814e+05	8122.10	-0.27	-4522.57	0.0	7440.57	4221.59	49.45 4359.74 -9253.61 -
5.064e+05										
565.763.421e+04	-5.064e+05	-9253.61	-8.80e-03	0.0	175.7	7440.57	1960.31	49.45	4359.74	-
					351.4	7440.57	-			
300.9749.454359.748122.10 1.776e+05	96	73	1.363e+05	5748.46	-0.21	-3262.93	0.0	5834.37	3202.55	34.61 5768.67 -6410.99 -
4.158e+05										
331.273573.69	-4.158e+05	-6410.99	1.39e-03	0.0	175.7	5834.37	1571.09	34.61	5768.67	-
					351.4	5834.37	-			
60.3834.615768.67 5748.46 1.363e+05	96	74	2.285e+05	1.710e+04	-0.37	-7461.73	0.0	1.049e+04	6328.69	103.49 1.747e+04 -1.927e+04 -
7.136e+05										
1082.807.057e+04	-7.136e+05	-1.927e+04	5.67e-03	0.0	175.7	1.049e+04	2597.82	103.49	1.747e+04	-
					351.4	1.049e+04	-			
1133.04 103.49 1.747e+04 1.710e+04 1.992e+05	96	77	1.402e+05	5746.33	-0.21	-3262.93	0.0	5609.18	3138.14	34.86 5656.91 -6503.91 -
3.897e+05										
378.791.834e+04	-3.897e+05	-6503.91	1.36e-03	0.0	175.7	5609.18	1506.68	34.86	5656.91	-
					351.4	5609.18	-			
124.7834.865656.915746.33 1.397e+05	96	78	1.855e+05	1.142e+04	-0.29	-5362.33	0.0	7935.70	4701.21	69.31 1.151e+04 -1.293e+04 -
5.386e+05										
754.565.184e+04	-5.386e+05	-1.293e+04	3.50e-03	0.0	175.7	7935.70	2020.05	69.31	1.151e+04	-
					351.4	7935.70	-			
661.1269.311.151e+041.142e+041.712e+05	96	81	1.402e+05	5746.33	-0.21	-3262.93	0.0	5609.18	3138.14	34.86 5656.91 -6503.91 -
3.897e+05										
378.791.834e+04	-3.897e+05	-6503.91	1.36e-03	0.0	175.7	5609.18	1506.68	34.86	5656.91	-
					351.4	5609.18	-			
124.7834.865656.915746.33 1.397e+05	96	82	1.658e+05	9151.65	-0.26	-4522.57	0.0	7005.09	4075.99	55.53 9165.98 -1.036e+04 -
4.790e+05										
604.253.844e+04	-4.790e+05	-1.036e+04	2.64e-03	0.0	175.7	7005.09	1814.70	55.53	9165.98	-
					351.4	7005.09	-			
446.5855.539165.989151.65 1.586e+05	97	2	3.224e+05	3563.73	-0.57	-1.300e+04	0.0	1.560e+04	8607.57	26.01 1.287e+04 -5574.47 -
6.777e+05										
1005.372.637e+05	-6.777e+05	-5574.47	4.87e-03	0.0	175.7	1.560e+04	2109.05	26.01	1.287e+04	-
					351.4	1.560e+04	-			
4389.46 26.01 1.287e+04 3563.73 6.338e+04	97	3	7.587e+04	1613.22	-0.22	-3077.29	0.0	5326.70	2335.06	-10.42 2120.68 1613.22 -
2.354e+05										
217.313.970e+04	-2.354e+05	-2047.84	7.10e-04	0.0	175.7	5326.70	796.42	-10.42	2120.68	-
					351.4	5326.70	-742.23	-10.42	2120.68	-
2047.844.446e+04										
97	4	2.794e+05	3950.09	-0.49	-1.153e+04	0.0	1.347e+04	7540.93	27.75 1.192e+04 -5799.70 -	
5.854e+05										
924.802.330e+05	-5.854e+05	-5799.70	4.64e-03	0.0	175.7	1.347e+04	1775.86	27.75	1.192e+04	-
					351.4	1.347e+04	-			
3989.22 27.75 1.192e+04 3950.09 3.858e+04	97	21	1.553e+05	-135.24	-0.29	-4953.50	0.0	6794.49	3596.39	1.02 1969.65 -494.22 -
2.939e+05										
314.731.144e+05	-2.939e+05	-494.22	-3.04e-03	0.0	175.7	6794.49	1119.64	1.02	1969.65	-
					351.4	6794.49	-1357.11	1.02	1969.65	-
135.248.753e+04										
97	30	1.477e+05	1773.58	-0.27	-4953.50	0.0	6650.66	3516.20	12.48 9392.04 -2612.02 -	
2.879e+05										
419.221.105e+05	-2.879e+05	-2612.02	0.02	0.0	175.7	6650.66	1039.45	12.48	9392.04	-
					351.4	6650.66	-			
1437.30 12.48 9392.04 1773.58 7.374e+04	97	38	1.475e+05	1700.65	-0.27	-4953.50	0.0	6636.70	3513.85	12.10 9917.87 -2553.01 -
2.875e+05										
426.181.104e+05	-2.875e+05	-2553.01	0.02	0.0	175.7	6636.70	1037.10	12.10	9917.87	-







98	3	7.587e+04	2047.84	-0.22	-3077.29	0.0	5326.70	2335.06	10.42	-2120.68	-1613.22	-
2.354e+05		-2.354e+05	-1613.22	-7.10e-04	0.0	175.7	5326.70	796.42	10.42	-		
2120.68	217.31	3.970e+04				351.4	5326.70	-742.23	10.42	-		
2120.68	2047.84	4.446e+04										
98	9	1.599e+05	1102.19	-0.29	-5384.43	0.0	6825.04	3779.58	4.89	-3545.45	-614.64	-
2.978e+05		-2.978e+05	-614.64	-5.00e-03	0.0	175.7	6825.04	1087.37	4.89	-		
3545.45	243.78	1.237e+05				351.4	6825.04	-1604.85	4.89	-		
3545.45	1102.19	7.230e+04										
98	28	1.455e+05	3771.14	-0.28	-5384.43	0.0	7287.06	3753.37	20.69	2980.92	-3498.38	-
3.166e+05		-3.166e+05	-									
3498.38	0.01	0.0	175.7	7287.06	1061.16	20.69	2980.92	136.38	1.081e+05			
						351.4	7287.06	-				
1631.06	20.69	2980.92	3771.14	5.989e+04								
98	33	1.521e+05	355.37	-0.28	-5384.43	0.0	6787.97	3717.36	-0.28	-8102.27	355.37	-
2.963e+05		-2.963e+05	254.77	-0.02	0.0	175.7	6787.97	1025.14	-0.28	-		
8102.27	305.07	1.185e+05				351.4	6787.97	-1667.07	-0.28	-		
8102.27	254.77	6.027e+04										
98	36	1.457e+05	3698.22	-0.28	-5384.43	0.0	7301.01	3755.72	20.31	3506.75	-3439.37	-
3.169e+05		-3.169e+05	-									
3439.37	0.02	0.0	175.7	7301.01	1063.51	20.31	3506.75	129.42	1.082e+05			
						351.4	7301.01	-				
1628.70	20.31	3506.75	3698.22	6.037e+04								
98	41	1.555e+05	1412.01	-0.28	-5384.43	0.0	6907.43	3761.11	6.69	-3226.80	-939.11	-
3.011e+05		-3.011e+05	-939.11	-3.59e-03	0.0	175.7	6907.43	1068.90	6.69	-		
3226.80	236.45	1.196e+05				351.4	6907.43	-1623.32	6.69	-		
3226.80	1412.01	6.737e+04										
98	60	1.468e+05	3201.95	-0.28	-5384.43	0.0	7211.48	3750.33	17.32	1469.75	-2885.56	-
3.135e+05		-3.135e+05	-									
2885.56	0.01	0.0	175.7	7211.48	1058.12	17.32	1469.75	158.20	1.100e+05			
						351.4	7211.48	-				
1634.09	17.32	1469.75	3201.95	6.045e+04								
98	65	1.508e+05	807.35	-0.28	-5384.43	0.0	6867.53	3721.07	2.99	-6442.07	-244.02	-
2.995e+05		-2.995e+05	-244.02	-0.01	0.0	175.7	6867.53	1028.86	2.99	-		
6442.07	281.66	1.167e+05				351.4	6867.53	-1663.36	2.99	-		
6442.07	807.35	5.985e+04										
98	68	1.470e+05	3145.64	-0.28	-5384.43	0.0	7221.46	3752.01	17.03	1846.54	-2839.98	-
3.137e+05		-3.137e+05	-									
2839.98	0.01	0.0	175.7	7221.46	1059.80	17.03	1846.54	152.83	1.100e+05			



		-2.305e+05	-960.80	-6.42e-04	0.0	175.7	5305.55	852.24	6.62	-	
2165.96	201.70	6.259e+04				351.4	5305.55	-779.22	6.62	-	
2165.96	1364.20	6.900e+04									
98	82	1.443e+05	2120.04	-0.28	-5384.43	0.0	7085.16	3728.39	10.80	-2311.15	-1675.86
3.093e+05		-3.093e+05	-1675.86	-5.46e-04	0.0	175.7	7085.16	1036.17	10.80	-	
2311.15	222.09	1.093e+05				351.4	7085.16	-1656.04	10.80	-	
2311.15	2120.04	5.483e+04									
99	2	3.401e+05	2.219e+04	-0.55	-1.515e+04	0.0	1.660e+04	1.133e+04	-116.38	-1.769e+04	2.219e+04
1.150e+06		-1.150e+06	-1.871e+04	-4.38e-03	0.0	175.7	1.660e+04	3758.95	-116.38	-	
1.769e+04	1741.221	1.763e+05				351.4	1.660e+04	-3816.90	-116.38	-1.769e+04	-
1.871e+04	1.712e+05										
99	3	1.340e+05	6016.35	-0.21	-3077.29	0.0	5833.41	3124.21	-32.68	-5565.83	6016.35
4.232e+05		-4.232e+05	-5467.05	-1.33e-03	0.0	175.7	5833.41	1585.56	-32.68	-5565.83	274.65
9447.85						351.4	5833.41	46.91	-32.68	-5565.83	-
5467.05	1.340e+05										
99	29	1.555e+05	1.104e+04	-0.25	-5384.43	0.0	6558.55	4275.39	-58.71	-1.373e+04	1.104e+04
4.464e+05		-4.464e+05	-9586.94	-0.02	0.0	175.7	6558.55	1583.18	-58.71	-	
1.373e+04	728.137	1.178e+04				351.4	6558.55	-1109.04	-58.71	-1.373e+04	-
9586.94	1.170e+05										
99	33	1.540e+05	1.083e+04	-0.25	-5384.43	0.0	6503.33	4255.37	-57.50	-1.423e+04	1.083e+04
4.429e+05		-4.429e+05	-9370.02	-0.02	0.0	175.7	6503.33	1563.16	-57.50	-	
1.423e+04	732.157	1.228e+04				351.4	6503.33	-1129.05	-57.50	-1.423e+04	-
9370.02	1.144e+05										
99	34	1.858e+05	7409.44	-0.28	-5384.43	0.0	7862.48	4695.36	-38.88	-637.95	7409.44
5.406e+05		-5.406e+05	-6250.10	0.01	0.0	175.7	7862.48	2003.14	-38.88	-	
637.955	79.675	1.187e+04				351.4	7862.48	-689.07	-38.88	-637.95	-
6250.10	1.713e+05										
99	36	1.774e+05	7562.26	-0.28	-5384.43	0.0	7975.75	4737.08	-39.78	-873.71	7562.26
5.478e+05		-5.478e+05	-6414.40	0.01	0.0	175.7	7975.75	2044.86	-39.78	-	
873.715	73.934	1.397e+04				351.4	7975.75	-647.35	-39.78	-873.71	-
6414.40	1.627e+05										
99	61	1.575e+05	1.047e+04	-0.25	-5384.43	0.0	6760.57	4341.24	-55.56	-1.194e+04	1.047e+04
4.609e+05		-4.609e+05	-9056.06	-0.01	0.0	175.7	6760.57	1649.03	-55.56	-	
1.194e+04	705.916	1.744e+04				351.4	6760.57	-1043.18	-55.56	-1.194e+04	-
9056.06	1.228e+05										
99	65	1.564e+05	1.034e+04	-0.25	-5384.43	0.0	6722.17	4327.20	-54.81	-1.232e+04	1.034e+04
4.584e+05		-4.584e+05	-8920.99	-0.01	0.0	175.7	6722.17	1634.98	-54.81	-	
1.232e+04	708.8										



1.290e+041.282e+05					351.4	1.154e+04	-2527.04	-80.21	-1.222e+04	-
99 77 1.402e+05 6503.91 -0.21 -3262.93	0.0	5609.18	3138.14	-34.86	-5656.91	6503.91	-			
3.897e+05										
-3.897e+05 -5746.33 -1.36e-03 0.0	175.7	5609.18	1506.68	-34.86	-					
5656.91 378.79 1.834e+04										
	351.4	5609.18	-124.78	-34.86	-5656.91	-				
5746.331.397e+05										
99 78 1.832e+05 1.094e+04 -0.30 -6798.76	0.0	8462.92	5440.65	-57.67	-8882.54	1.094e+04	-			
5.816e+05										
-5.816e+05 -9324.09 -2.18e-03 0.0	175.7	8462.92	2041.26	-57.67	-					
8882.54 807.06 7.569e+04										
	351.4	8462.92	-1358.12	-57.67	-8882.54	-				
9324.091.357e+05										
99 81 1.402e+05 6503.91 -0.21 -3262.93	0.0	5609.18	3138.14	-34.86	-5656.91	6503.91	-			
3.897e+05										
-3.897e+05 -5746.33 -1.36e-03 0.0	175.7	5609.18	1506.68	-34.86	-					
5656.91 378.79 1.834e+04										
	351.4	5609.18	-124.78	-34.86	-5656.91	-				
5746.331.397e+05										
99 82 1.610e+05 9164.50 -0.26 -5384.43	0.0	7321.43	4519.64	-48.54	-7592.29	9164.50	-			
5.048e+05										
-5.048e+05 -7892.99 -1.84e-03 0.0	175.7	7321.43	1827.43	-48.54	-					
7592.29 635.76 5.275e+04										
	351.4	7321.43	-864.78	-48.54	-7592.29	-				
7892.991.373e+05										
100 3 1.277e+06 6.470e+04 0.66 -3077.29	0.0	2.725e+04	-6294.90	-410.48	-					
6.114e+046.470e+041.277e+06										
-1.475e+06 -7.954e+04 -0.02 0.0	175.7	2.725e+04	-7833.54	-410.48	-6.114e+04	-				
7419.433.621e+04										
	351.4	2.725e+04	-9372.19	-410.48	-6.114e+04	-7.954e+04	-			
1.475e+06										
100 6 1.788e+06 1.056e+05 1.06 -8952.92	0.0	4.537e+04	-7566.21	-670.32	-					
9.493e+041.056e+051.788e+06										
-2.444e+06 -1.299e+05 -0.03 0.0	175.7	4.537e+04	-1.204e+04	-670.32	-9.493e+04	-				
1.213e+046.520e+04										
	351.4	4.537e+04	-1.652e+04	-670.32	-9.493e+04	-1.299e+05	-			
2.444e+06										
100 19 1.865e+05 2.108e+04 0.27 -4522.57	0.0	1.265e+04	-226.46	-136.64	-					
6712.902.108e+041.865e+05										
-6.880e+05 -2.694e+04 4.37e-03 0.0	175.7	1.265e+04	-2487.74	-136.64	-6712.90	-2930.91	-			
5.212e+04										
	351.4	1.265e+04	-4749.03	-136.64	-6712.90	-2.694e+04	-			
6.880e+05										
100 25 1.694e+05 2.397e+04 0.27 -4522.57	0.0	1.079e+04	-130.96	-158.12	-					
2277.952.397e+041.694e+05										
-6.713e+05 -3.160e+04 0.01 0.0	175.7	1.079e+04	-2392.24	-158.12	-2277.95	-3811.57	-			
5.231e+04										
	351.4	1.079e+04	-4653.53	-158.12	-2277.95	-3.160e+04	-			
6.713e+05										
100 29 1.687e+05 2.397e+04 0.27 -4522.57	0.0	1.077e+04	-128.76	-158.17	-					
2493.902.397e+041.687e+05										
-6.711e+05 -3.162e+04 0.01 0.0	175.7	1.077e+04	-2390.05	-158.17	-2493.90	-3827.35	-			
5.257e+04										
	351.4	1.077e+04	-4651.33	-158.17	-2493.90	-3.162e+04	-			
6.711e+05										
100 37 1.658e+05 2.396e+04 0.27 -4522.57	0.0	1.070e+04	-109.98	-158.06	-					
3147.502.396e+041.658e+05										
-6.674e+05 -3.158e+04 9.86e-03 0.0	175.7	1.070e+04	-2371.26	-158.06	-3147.50	-3808.93	-			
5.215e+04										
	351.4	1.070e+04	-4632.54	-158.06	-3147.50	-3.158e+04	-			
6.674e+05										
100 40 1.590e+05 1.835e+04 0.24 -4522.57	0.0	1.335e+04	-55.28	-115.75	-					
1.520e+041.835e+041.590e+05										
-6.549e+05 -2.232e+04 -0.01 0.0	175.7	1.335e+04	-2316.57	-115.75	-1.520e+04	-1986.14	-			
4.932e+04										
	351.4	1.335e+04	-4577.85	-115.75	-1.520e+04	-2.232e+04	-			
6.549e+05										
100 51 1.772e+05 2.120e+04 0.26 -4522.57	0.0	1.236e+04	-171.63	-137.47	-					
7470.272.120e+041.772e+05										
-6.778e+05 -2.710e+04 3.74e-03 0.0	175.7	1.236e+04	-2432.92	-137.47	-7470.27	-2951.55	-			
5.166e+04										
	351.4	1.236e+04	-4694.20	-137.47	-7470.27	-2.710e+04	-			
6.778e+05										
100 61 1.676e+05 2.311e+04 0.26 -4522.57	0.0	1.116e+04	-119.30	-151.75	-					
4408.792.311e+041.676e+05										
-6.689e+05 -3.022e+04 7.87e-03 0.0	175.7	1.116e+04	-2380.58	-151.75	-4408.79	-3553.37	-			
5.204e+04										
	351.4	1.116e+04	-4641.86	-151.75	-4408.79	-3.022e+04	-			
6.689e+05										



100	65	1.659e+05	2.311e+04	0.26	-4522.57	0.0	1.113e+04	-107.14	-151.63	-	
4745.922	311e+04	1.659e+05									
		-6.664e+05	-3.017e+04	7.66e-03	0.0	175.7	1.113e+04	-2368.42	-151.63	-4745.92	-3530.88
5.159e+04											
						351.4	1.113e+04	-4629.70	-151.63	-4745.92	-3.017e+04
6.664e+05											
100	69	1.655e+05	2.311e+04	0.26	-4522.57	0.0	1.112e+04	-105.79	-151.68	-	
4874.732	311e+04	1.655e+05									
		-6.663e+05	-3.019e+04	7.62e-03	0.0	175.7	1.112e+04	-2367.07	-151.68	-4874.73	-3540.42
5.175e+04											
						351.4	1.112e+04	-4628.35	-151.68	-4874.73	-3.019e+04
6.663e+05											
100	72	1.594e+05	1.920e+04	0.24	-4522.57	0.0	1.294e+04	-59.47	-122.13	-	
1.348e+04	1.920e+04	1.594e+05									
		-6.561e+05	-2.371e+04	-9.86e-03	0.0	175.7	1.294e+04	-2320.76	-122.13	-1.348e+04	-2254.65
4.972e+04											
						351.4	1.294e+04	-4582.04	-122.13	-1.348e+04	-2.371e+04
6.561e+05											
100	73	9.021e+05	4.894e+04	0.51	-3262.93	0.0	2.160e+04	-4277.77	-311.47	-	
4.299e+04	4.894e+04	9.021e+05									
		-1.174e+06	-6.050e+04	-0.01	0.0	175.7	2.160e+04	-5909.24	-311.47	-4.299e+04	-
5777.88	7236.98										
						351.4	2.160e+04	-7540.70	-311.47	-4.299e+04	-6.050e+04
1.174e+06											
100	76	1.206e+06	7.180e+04	0.72	-6202.09	0.0	3.109e+04	-5100.94	-455.82	-	
6.371e+04	7.180e+04	1.206e+06									
		-1.676e+06	-8.836e+04	-0.02	0.0	175.7	3.109e+04	-8201.99	-455.82	-6.371e+04	-
8282.773	720e+04										
						351.4	3.109e+04	-1.130e+04	-455.82	-6.371e+04	-8.836e+04
1.676e+06											
100	77	3.440e+05	2.483e+04	0.29	-3262.93	0.0	1.285e+04	-1359.52	-159.76	-	
1.560e+04	2.483e+04	3.440e+05									
		-7.070e+05	-3.131e+04	-5.66e-03	0.0	175.7	1.285e+04	-2990.98	-159.76	-1.560e+04	-3240.81
3.820e+04											
						351.4	1.285e+04	-4622.44	-159.76	-1.560e+04	-3.131e+04
7.070e+05											
100	80	9.235e+05	5.404e+04	0.56	-4522.57	0.0	2.396e+04	-4062.07	-343.78	-	
4.653e+04	5.404e+04	9.235e+05									
		-1.298e+06	-6.676e+04	-0.02	0.0	175.7	2.396e+04	-6323.35	-343.78	-4.653e+04	-
6357.171	123e+04										
						351.4	2.396e+04	-8584.64	-343.78	-4.653e+04	-6.676e+04
1.298e+06											
100	81	3.440e+05	2.483e+04	0.29	-3262.93	0.0	1.285e+04	-1359.52	-159.76	-	
1.560e+04	2.483e+04	3.440e+05	</								



	-5.318e+05	-4143.84	7.17e-03	0.0	175.7	1.435e+04	-1770.12	-22.34	1238.68	-217.09	-	
3193.44												
						351.4	1.435e+04	-4246.87	-22.34	1238.68	-4143.84	-
5.318e+05												
101	53	9.645e+04	3159.58	0.26	-4953.50	0.0	1.378e+04	803.30	-19.09	-		
3213.40	3159.58	7.410e+04										
		-5.138e+05	-3549.82	7.36e-04	0.0	175.7	1.378e+04	-1673.44	-19.09	-3213.40	-195.12	-
2268.89												
						351.4	1.378e+04	-4150.19	-19.09	-3213.40	-3549.82	-
5.138e+05												
101	56	1.155e+05	2467.25	0.28	-4953.50	0.0	1.474e+04	629.50	-15.01	-		
5084.56	2467.25	1.015e+05										
		-5.478e+05	-2804.71	-3.22e-03	0.0	175.7	1.474e+04	-1847.25	-15.01	-5084.56	-168.73	-
5579.33												
						351.4	1.474e+04	-4323.99	-15.01	-5084.56	-2804.71	-
5.478e+05												
101	67	1.066e+05	3371.53	0.28	-4953.50	0.0	1.430e+04	713.95	-20.37	-		
304.36	3371.53	884e+04										
		-5.306e+05	-3788.06	4.69e-03	0.0	175.7	1.430e+04	-1762.80	-20.37	-304.36	-208.27	-
3310.26												
						351.4	1.430e+04	-4239.55	-20.37	-304.36	-3788.06	-
5.306e+05												
101	73	1.081e+06	7288.62	0.59	-3262.93	0.0	2.921e+04	-4700.90	-49.06	-		
1.676e+04	7288.62	1.081e+06										
		-1.145e+06	-9949.22	-5.80e-03	0.0	175.7	2.921e+04	-6332.37	-49.06	-1.676e+04	-	
1330.30	1.113e+05											
						351.4	2.921e+04	-7963.83	-49.06	-1.676e+04	-9949.22	-
1.145e+06												
101	76	1.422e+06	1.274e+04	0.84	-7207.59	0.0	4.204e+04	-5132.08	-84.08	-		
2.626e+04	1.274e+04	1.422e+06										
		-1.648e+06	-1.681e+04	-8.89e-03	0.0	175.7	4.204e+04	-8735.87	-84.08	-2.626e+04	-	
2035.74	2.036e+05											
						351.4	4.204e+04	-1.234e+04	-84.08	-2.626e+04	-1.681e+04	-
1.648e+06												
101	77	3.497e+05	2918.73	0.32	-3262.93	0.0	1.609e+04	-1106.22	-18.89	-		
6052.35	2918.73	3.497e+05										
		-6.123e+05	-3717.59	-2.17e-03	0.0	175.7	1.609e+04	-2737.69	-18.89	-6052.35	-	
399.43	1.198e+04											
						351.4	1.609e+04	-4369.15	-18.89	-6052.35	-3717.59	-
6.123e+05												
101	80	1.084e+06	8772.36	0.64	-4953.50	0.0	3.215e+04	-4185.43	-58.19	-		
1.874e+04	8772.36	1.084e+06										
		-1.256e+06	-1.167e+04	-6.42e-03	0.0	175.7	3.215e+04</					



5.110e+05						351.4	1.362e+04	-4294.99	10.77	1057.67	1963.07	-
102	15	1.178e+05	741.19	0.28	-5384.43	0.0	1.522e+04	801.20	4.04	3562.97	-	
677.359.747e+04		-5.672e+05	-677.35	3.45e-03	0.0	175.7	1.522e+04	-				
1891.02	4.04	3562.97	31.92	1616.38								
						351.4	1.522e+04	-4583.23	4.04	3562.97	741.19	-
5.672e+05												
102	40	1.056e+05	2318.70	0.28	-5384.43	0.0	1.451e+04	935.55	12.70	-3077.34	-	
2145.847.718e+04		-5.401e+05	-2145.84	-7.62e-03	0.0	175.7	1.451e+04	-1756.67	12.70	-		
3077.34	86.43	5037.56										
						351.4	1.451e+04	-4448.88	12.70	-3077.34	2318.70	-
5.401e+05												
102	46	9.581e+04	1724.68	0.27	-5384.43	0.0	1.394e+04	1032.22	9.45	1374.74	-	
1595.776.104e+04		-5.221e+05	-1595.77	-8.44e-04	0.0	175.7	1.394e+04	-				
1660.00	9.45	1374.74	64.46	5962.11								
						351.4	1.394e+04	-4352.21	9.45	1374.74	1724.68	-
5.221e+05												
102	47	1.117e+05	979.57	0.28	-5384.43	0.0	1.490e+04	858.42	5.36	3245.90	-	
903.438.841e+04		-5.561e+05	-903.43	2.77e-03	0.0	175.7	1.490e+04	-				
1833.80	5.36	3245.90	38.07	2651.66								
						351.4	1.490e+04	-4526.01	5.36	3245.90	979.57	-
5.561e+05												
102	72	1.046e+05	1962.92	0.28	-5384.43	0.0	1.446e+04	942.86	10.73	-1534.31	-	
1807.717.578e+04		-5.389e+05	-1807.71	-5.14e-03	0.0	175.7	1.446e+04	-1749.35	10.73	-		
1534.31	77.60	4920.73										
						351.4	1.446e+04	-4441.56	10.73	-1534.31	1962.92	-
5.389e+05												
102	73	1.081e+06	9949.22	0.59	-3262.93	0.0	2.921e+04	-4700.90	49.06	1.676e+04	-	
7288.621.081e+06		-1.145e+06	-7288.62	5.80e-03	0.0	175.7	2.921e+04	-				
6332.37	49.06	1.676e+04	1330.30	1.113e+05								
						351.4	2.921e+04	-7963.83	49.06	1.676e+04	9949.22	-
1.145e+06												
102	75	1.413e+06	1.278e+04	0.72	-3262.93	0.0	3.517e+04	-6334.85	62.77	2.162e+04	-	
9274.931.413e+06		-1.386e+06	-9274.93	7.45e-03	0.0	175.7	3.517e+04	-				
7966.31	62.77	2.162e+04	1753.42	1.565e+05								
						351.4	3.517e+04	-9597.77	62.77	2.162e+04	1.278e+04	-
1.386e+06												
102	76	1.391e+06	1.255e+04	0.84	-8213.10	0.0	4.241e+04	-4597.95	61.58	2.197e+04	-	
9088.091.391e+06		-1.667e+06	-9088.09	7.84e-03	0.0	175.7	4.241e+04	-				
8704.49	61.58	2.197e+04	1730.86	2.228e+05								
						351.4						



103	3	1.277e+06	7.954e+04	0.66	-3077.29	0.0	2.725e+04	-6294.90	410.48	6.114e+04	-
6.470e+04	1.277e+06										
	-1.475e+06	-6.470e+04	0.02	0.0	175.7	2.725e+04	-				
7833.54	410.48	6.114e+04	7419.43	3.621e+04							
						351.4	2.725e+04	-9372.19	410.48	6.114e+04	7.954e+04
1.475e+06											
103	5	1.713e+06	1.080e+05	0.90	-4544.17	0.0	3.710e+04	-8321.18	557.24	8.253e+04	-
8.780e+04	1.713e+06										
	-2.009e+06	-8.780e+04	0.03	0.0	175.7	3.710e+04	-				
1.059e+04	557.24	8.253e+04	1.010e+05	5.124e+04							
						351.4	3.710e+04	-1.287e+04	557.24	8.253e+04	1.080e+05
2.009e+06											
103	6	1.712e+06	1.291e+05	1.08	-1.197e+04	0.0	4.607e+04	-6091.37	662.23	8.946e+04	-
1.036e+05	1.712e+06										
	-2.531e+06	-1.036e+05	0.03	0.0	175.7	4.607e+04	-				
1.208e+04	662.23	8.946e+04	1.277e+05	1.161e+05							
						351.4	4.607e+04	-1.806e+04	662.23	8.946e+04	1.291e+05
2.531e+06											
103	12	1.654e+05	2.672e+04	0.28	-5384.43	0.0	1.285e+04	194.92	134.33	5148.58	-
2.048e+04	1.648e+05										
	-7.130e+05	-2.048e+04	-4.71e-03	0.0	175.7	1.285e+04	-2497.29	134.33	5148.58	3115.59	-
3.759e+04											
						351.4	1.285e+04	-5189.51	134.33	5148.58	2.672e+04
7.130e+05											
103	26	1.498e+05	3.140e+04	0.27	-5384.43	0.0	1.097e+04	292.62	155.86	929.58	-
2.338e+04	1.471e+05										
	-6.961e+05	-2.338e+04	-0.01	0.0	175.7	1.097e+04	-2399.59	155.86	929.58	4012.04	-
3.804e+04											
						351.4	1.097e+04	-5091.81	155.86	929.58	3.140e+04
6.961e+05											
103	30	1.504e+05	3.137e+04	0.27	-5384.43	0.0	1.099e+04	290.42	155.80	713.63	-
2.338e+04	1.477e+05										
	-6.963e+05	-2.338e+04	-0.01	0.0	175.7	1.099e+04	-2401.79	155.80	713.63	3996.26	-
3.779e+04											
						351.4	1.099e+04	-5094.00	155.80	713.63	3.137e+04
6.963e+05											
103	34	1.473e+05	3.136e+04	0.27	-5384.43	0.0	1.091e+04	311.41	155.75	1583.17	-
2.337e+04	1.442e+05										
	-6.924e+05	-2.337e+04	-0.01	0.0	175.7	1.091e+04	-2380.81	155.75	1583.17	3993.61	-
3.763e+04											
						351.4	1.091e+04	-5073.02	155.75	1583.17	3.136e+04
6.924e+05											
103	35	1.417e+05	2.210e+04	0.25	-5384.43	0.0	1.355e+04	366.10	113.44	1.364e+04	-
1.775e+04	1.374e+05					</					



[illegible]



										185.8	2.216e+04	-906.74	5.57	-
3984.765181.13	8.393e+04													
104	25	1.138e+05	5529.95	0.12	-									
2095.56	0.0	2.079e+04	954.36	1.78	618.47	5088.97	7.114e+04							
		5.908e+04	5088.97	2.72e-03		0.0	92.9	2.079e+04		-				
93.421.78618.47	5309.46	1.138e+05												
							185.8	2.079e+04		-				
1141.20	1.78	618.47	5529.95	5.908e+04										
104	28	1.179e+05	4798.51	0.11	-2095.56	0.0	2.051e+04	1418.35	16.59		-			
1.329e+041827.513.237e+04														
		3.237e+04	1827.51	-8.24e-03		0.0	92.9	2.051e+04	370.57	16.59		-		
1.329e+043313.011.128e+05														
							185.8	2.051e+04	-677.21	16.59		-		
1.329e+044798.519.591e+04														
104	30	1.103e+05	4850.15	0.10	-2095.56	0.0	1.974e+04	1380.85	16.61		-			
1.332e+042003.312.176e+04														
		2.176e+04	2003.31	-8.25e-03		0.0	92.9	1.974e+04	333.07	16.61		-		
1.332e+043426.731.044e+05														
							185.8	1.974e+04	-714.71	16.61		-		
1.332e+044850.158.979e+04														
104	50	1.052e+05	5143.50	0.11	-2095.56	0.0	1.973e+04	1193.18	11.49		-			
7974.353305.18	3.521e+04													
	3.521e+04	3305.18	-4.02e-03		0.0	92.9	1.973e+04	145.40	11.49		-			
7974.354224.34	1.033e+05													
							185.8	1.973e+04	-902.38	11.49		-		
7974.355143.50	7.417e+04													
104	51	1.232e+05	5184.95	0.12	-2095.56	0.0	2.157e+04	1179.53	6.88		-			
4699.833611.30	6.830e+04													
	6.830e+04	3611.30	-2.02e-03		0.0	92.9	2.157e+04	131.75	6.88		-			
4699.834398.13	1.232e+05													
							185.8	2.157e+04	-916.03	6.88		-		
4699.835184.95	8.082e+04													
104	57	1.141e+05	5415.15	0.12	-2095.56	0.0	2.079e+04	1023.36	4.22		-			
1395.704569.85	6.612e+04													
	6.470e+04	4569.85	1.14e-03		0.0	92.9	2.079e+04	-24.42	4.22		-			
1395.704992.50	1.141e+05													
							185.8	2.079e+04	-1072.20	4.22		-		
1395.705415.15	6.470e+04													
104	60	1.161e+05	4913.31	0.11	-2095.56	0.0	2.051e+04	1349.35	14.15		-			
1.128e+042346.633.739e+04														
	3.739e+04	2346.63												



104	80	1.781e+06	3.074e+04	0.04	-2095.56	0.0	4.614e+04	1.498e+04	373.08	-5922.96	-3.857e+04	-
8.070e+05		-8.070e+05	-3.857e+04	-8.77e-03	0.0	92.9	4.614e+04	1.393e+04	373.08	-5922.96	-	
3915.015	356e+05					185.8	4.614e+04	1.288e+04	373.08	-		
5922.963	074e+04	1.781e+06										
104	81	5.085e+05	1.036e+04	0.08	-1542.61	0.0	2.378e+04	4434.62	101.02	-3901.41	-8407.39	-
1.720e+05		-1.720e+05	-8407.39	-3.46e-03	0.0	92.9	2.378e+04	3663.32	101.02	-		
3901.41	974.88	2.041e+05				185.8	2.378e+04	2892.01	101.02	-		
3901.411	036e+05	5.085e+05										
104	82	5.317e+05	1.198e+04	0.10	-2095.56	0.0	2.745e+04	4864.64	106.22	-6226.66	-7748.03	-
1.772e+05		-1.772e+05	-7748.03	-4.39e-03	0.0	92.9	2.745e+04	3816.86	106.22	-		
6226.662	117.57	2.259e+05				185.8	2.745e+04	2769.08	106.22	-		
6226.661	198e+05	5.317e+05										
105	3	2.911e+06	1.180e+04	-0.05	-1461.12	0.0	6.287e+04	2.352e+04	139.96	1867.58	-1.420e+04	-
1.323e+06		-1.323e+06	-1.420e+04	-4.07e-03	0.0	92.9	6.287e+04	2.279e+04	139.96	1867.58	-	
1201.168	284e+05					185.8	6.287e+04	2.206e+04	139.96	1867.58	1.180e+04	2.9
11e+06												
105	5	3.909e+06	1.593e+04	-0.07	-2143.64	0.0	8.518e+04	3.168e+04	188.56	2369.72	-1.909e+04	-
1.777e+06		-1.777e+06	-1.909e+04	-5.52e-03	0.0	92.9	8.518e+04	3.061e+04	188.56	2369.72	-	
1579.361	116e+06					185.8	8.518e+04	2.954e+04	188.56	2369.72	1.593e+04	3.9
09e+06												
105	6	4.046e+06	1.837e+04	-0.02	-4741.04	0.0	9.903e+04	3.415e+04	199.46	-2381.99	-1.868e+04	-
1.858e+06		-1.858e+06	-1.868e+04	-7.11e-03	0.0	92.9	9.903e+04	3.178e+04	199.46	-2381.99	-	
151.031	204e+06					185.8	9.903e+04	2.941e+04	199.46	-		
2381.991	837e+04	4.046e+06										
105	8	4.009e+06	1.789e+04	-0.04	-4058.53	0.0	9.221e+04	3.364e+04	195.34	-1824.97	-1.840e+04	-
1.863e+06		-1.863e+06	-1.840e+04	-6.81e-03	0.0	92.9	9.221e+04	3.161e+04	195.34	-1824.97	-	
255.401	167e+06					185.8	9.221e+04	2.958e+04	195.34	-		
1824.971	789e+04	4.009e+06										
105	18	1.232e+05	1481.70	0.11	-2284.73	0.0	2.023e+04	1844.66	11.63	-4734.01	-1049.55	-
1.403e+04		-1.403e+04	-1049.55	-2.71e-03	0.0	92.9	2.023e+04	702.30	11.63	-		
4734.01	216.08	1.036e+05				185.8	2.023e+04	-440.06	11.63	-		
4734.01	1481.70	1.151e+05										
105	19	1.456e+05	2109.75	0.12	-2284.73	0.0	2.292e+04	1705.98	13.21	-		
602.042	6382.629e+04					92.9	2.292e+04	563.62	13.21	-		
602.041	068.071	3.24e+05				185.8	2.292e+04	-578.74	13.21	-		



1239.30 917.78 1.266e+05												1.831e+04 -193.48 -2.72e-04 0.0 92.9 2.238e+04 590.64 13.16 -											
1239.302029.04 1.288e+05												185.8 2.238e+04 -551.73 13.16 -											
105 56 1.414e+05 1495.03 0.12 -2284.73 0.0 2.234e+04 1747.68 9.98 -3684.69 -																							
470.741.673e+04 1.673e+04 -470.74 -2.12e-03 0.0 92.9 2.234e+04 605.32 9.98 -																							
3684.69 512.15 1.264e+05												185.8 2.234e+04 -537.05 9.98 -											
3684.691495.03 1.299e+05 105 61 1.313e+05 2806.91 0.12 -2284.73 0.0 2.143e+04 1761.44 18.94 1423.67 -																							
109.165486.12 5486.12 -109.16 2.26e- 03 0.0 92.9 2.143e+04 619.08 18.94 1423.67 1348.87 1.159e+05 185.8 2.143e+04 -																							
523.2818.941423.672806.91 1.202e+05 105 70 1.332e+05 1026.88 0.11 -2284.73 0.0 2.128e+04 1810.38 8.35 -6727.62 -																							
1033.36 214.59 214.59 -1033.36 -4.65e-03 0.0 92.9 2.128e+04 668.01 8.35 -6727.62 -																							
3.241.152e+05												185.8 2.128e+04 -474.35 8.35 -											
6727.621026.88 1.241e+05 105 73 1.980e+06 8302.01 -0.01 -1542.61 0.0 4.817e+04 1.616e+04 97.12 780.06 -9738.91 -																							
8.780e+05 -8.780e+05 -9738.91 -2.97e-03 0.0 92.9 4.817e+04 1.539e+04 97.12 780.06 -																							
718.455.870e+05												185.8 4.817e+04 1.462e+04 97.12 780.06 8302.01 1.9											
80e+06 105 75 2.612e+06 1.070e+04 -0.04 -1542.61 0.0 5.836e+04 2.119e+04 126.39 1476.88-1.278e+04 -																							
1.180e+06 -1.180e+06-1.278e+04 -3.73e-03 0.0 92.9 5.836e+04 2.042e+04 126.39 1476.88 -																							
1035.937.518e+05												185.8 5.836e+04 1.965e+04 126.39 1476.88 1.070e+04 2.6											
12e+06 105 76 2.704e+06 1.233e+04 0.02 -3274.21 0.0 6.759e+04 2.284e+04 133.66 -1690.92-1.250e+04 -																							
1.234e+06 -1.234e+06-1.250e+04 -4.79e-03 0.0 92.9 6.759e+04 2.120e+04 133.66 -1690.92 -																							
83.718.109e+05												185.8 6.759e+04 1.956e+04 133.66 -											
1690.921.233e+042.704e+06 105 77 5.901e+05 3019.48 0.07 -1542.61 0.0 2.576e+04 5093.44 32.73 -752.94 -3059.49 -																							
2.128e+05 -2.128e+05 -3059.49 -1.30e-03 0.0 92.9 2.576e+04 4322.14 32.73 -752.94 -																							
20.002.245e+05												185.8 2.576e+04 3550.83 32.73 -											
752.943019.485.901e+05 105 79 1.980e+06 8302.01 -0.01 -1542.61 0.0 4.817e+04 1.616e+04 97.12 780.06 -9738.91 -																							
8.780e+05 -8.780e+05 -9738.91 -2.97e-03 0.0 92.9 4.817e+04 1.539e+04 97.12 780.06 -																							
718.455.870e+05												185.8 4.817e+04 1.462e+04 97.12 780.06 8302.01 1.9											
80e+06 105 80 2.020e+06 8999.17 0.02 -2284.73 0.0 5.213e+04 1.686e+04 100.24 -577.57 -9619.88 -																							
9.010e+05 -9.010e+05 -9619.88 -3.43e-03 0.0 92.9 5.213e+04 1.572e+04 100.24 -577.57 -																							
310.366.123e+05												185.8 5.213e+04 1.458e+04 100.24 -											
577.578999.172.020e+06 105 81 5.901e+05 3019.48 0.07 -1542.61 0.0 2.576e+04 5093.44 32.73 -752.94 -3059.49 -																							
2.128e+05 -2.128e+05 -3059.49 -1.30e-03 0.0 92.9 2.576e+04 4322.14 32.73 -752.94 -																							
20.002.245e+05												185.8 2.576e+04 3550.83 32.73 -											
752.943019.485.901e+05 105 82 6.293e+05 3716.64 0.09 -2284.73 0.0 2.972e+04 5799.14 35.84 -2110.57 -2940.46 -																							
2.358e+05 -2.358e+05 -2940.46 -1.76e-03 0.0 92.9 2.972e+04 4656.78 35.84 -																							
2110.57 388.09 2.498e+05												185.8 2.972e+04 3514.42 35.84 -											
2110.573716.64 6.293e+05 106 3 2.911e+06 1.420e+04 -0.05 -1461.12 0.0 6.287e+04 2.352e+04 -139.96 -1867.58 1.420e+04 -																							
1.323e+06 -1.323e+06-1.180e+04 4.07e-03 0.0 92.9 6.287e+04 2.279e+04 -139.96 -																							
1867.581201.16 8.284e+05												185.8 6.287e+04 2.206e+04 -139.96 -1867.58 -											
1.180e+042.911e+06 106 6 4.070e+06 2.170e+04 -0.02 -5403.13 0.0 9.919e+04 3.483e+04 -211.18 -3209.03 2.170e+04 -																							
1.899e+06 -1.899e+06-1.753e+04 6.18e-03 0.0 92.9 9.919e+04 3.213e+04 -211.18 -																							
3209.032082.85 1.211e+06																							



						185.8	9.919e+04	2.943e+04	-211.18	-3209.03			-
1.753e+044.070e+06													
106	8	4.033e+06	2.142e+04	-0.04	-4720.61	0.0	9.237e+04	3.432e+04	-207.07	-3766.05	2.142e+04		-
1.904e+06													
		-1.904e+06	-1.704e+04	5.88e-03	0.0	92.9	9.237e+04	3.196e+04	-207.07	-			
3766.052187.22 1.174e+06													
						185.8	9.237e+04	2.960e+04	-207.07	-3766.05			-
1.704e+044.033e+06													
106	9	1.292e+05	1912.57	0.11	-2473.89	0.0	2.027e+04	2039.53	-14.98	3136.57	1912.57		-
2.586e+04													
		-2.586e+04	-1240.83	2.44e-03	0.0	92.9	2.027e+04	802.58	-				
14.983136.57335.871.055e+05													
						185.8	2.027e+04	-434.37	-14.98	3136.57			-
1240.831.219e+05													
106	12	1.510e+05	836.64	0.12	-2473.89	0.0	2.296e+04	1900.84	-16.56	-			
995.39836.641.446e+04													
		1.446e+04	-1868.88	-6.78e-04	0.0	92.9	2.296e+04	663.90	-16.56	-995.39			-
516.121.342e+05													
						185.8	2.296e+04	-573.05	-16.56	-995.39			-
1868.881.391e+05													
106	15	1.517e+05	1292.44	0.12	-2473.89	0.0	2.290e+04	1921.56	-				
11.882444.051292.441.222e+04													
		1.222e+04	-1111.54	2.23e-03	0.0	92.9	2.290e+04	684.62	-				
11.882444.0590.451.339e+05													
						185.8	2.290e+04	-552.33	-11.88	2444.05			-
1111.541.407e+05													
106	26	1.353e+05	715.46	0.12	-2473.89	0.0	2.135e+04	1953.45	-25.33	-4667.93	715.46		-
7489.89													
		-7489.89	-2991.65	-3.90e-03	0.0	92.9	2.135e+04	716.50	-25.33	-4667.93			-
1138.091.163e+05													
						185.8	2.135e+04	-520.44	-25.33	-4667.93			-
2991.651.252e+05													
106	33	1.383e+05	2234.77	0.11	-2473.89	0.0	2.114e+04	2022.51	-9.74	6796.88	2234.77		-
1.495e+04													
		-1.495e+04	-467.19	5.80e-03	0.0	92.9	2.114e+04	785.57	-				
9.746796.88883.791.153e+05													
						185.8	2.114e+04	-451.38	-9.74	6796.88			-
467.191.306e+05													
106	41	1.336e+05	1692.71	0.11	-2473.89	0.0	2.081e+04	2012.51	-15.03	2499.32	1692.71		-
1.788e+04													
		-1.788e+04	-1321.54	1.98e-03	0.0	92.9	2.081e+04	775.56	-				
15.032499.32185.581.112e+05													
						185.8	2.081e+04	-461.38	-15.03	2499.32			-
1321.541.254e+05													
106	44	1.464e+05	1056.51	0.12	-2473.89	0.0	2.243e+04	1927.86	-16.51	-			
358.131056.516474.34													
		6474.34	-1788.17	-2.14e-04	0.0	92.9	2.243e+04	690.91	-16.51	-358.13</			



[illegible]



3776.121.078e+05	1.375e+04	-5182.67	3.87e-03	0.0	92.9	1.986e+04	329.43	-16.73	6538.65	-
5182.678.690e+04					185.8	1.986e+04	-907.52	-16.73	6538.65	-
107 44 1.299e+05	-2675.69	0.12	-2473.89	0.0	2.170e+04	1552.72	-12.13	3264.13	-	
2675.694.685e+04										-
4.685e+04	-5224.13	1.84e-03	0.0	92.9	2.170e+04	315.78	-12.13	3264.13	-	
3949.911.276e+05					185.8	2.170e+04	-921.17	-12.13	3264.13	-
5224.139.355e+04										-
107 47 1.304e+05	-2046.19	0.12	-2473.89	0.0	2.151e+04	1643.10	-14.99	6125.22	-	
2046.193.689e+04										-
3.689e+04	-5097.88	3.70e-03	0.0	92.9	2.151e+04	406.15	-14.99	6125.22	-	
3572.041.261e+05					185.8	2.151e+04	-830.80	-14.99	6125.22	-
5097.881.004e+05										-
107 57 1.207e+05	-1513.52	0.11	-2473.89	0.0	2.017e+04	1700.63	-19.41	9855.74	-	
1513.529615.26										-
9615.26	-4982.61	6.52e-03	0.0	92.9	2.017e+04	463.68	-19.41	9855.74	-	
3248.061.119e+05					185.8	2.017e+04	-773.27	-19.41	9855.74	-
4982.619.935e+04										-
107 62 1.196e+05	-3634.24	0.12	-2473.89	0.0	2.092e+04	1396.55	-9.46	-40.00	-	
3634.244.466e+04										-
4.466e+04	-5454.32	-1.28e-03	0.0	92.9	2.092e+04	159.61	-9.46	-40.00	-	
4544.281.185e+05					185.8	2.092e+04	-1077.34	-9.46	-40.00	-
5454.327.743e+04										-
107 63 1.252e+05	-1411.02	0.11	-2473.89	0.0	2.064e+04	1722.55	-19.40	9842.78	-	
1411.021.594e+04										-
1.594e+04	-4952.48	6.52e-03	0.0	92.9	2.064e+04	485.60	-19.40	9842.78	-	
3181.751.169e+05					185.8	2.064e+04	-751.35	-19.40	9842.78	-
4952.481.030e+05										-
107 73 1.758e+06	3.922e+04	0.02	-1542.61	0.0	4.246e+04	1.455e+04	-367.87	3597.72	3.922e+04	-
8.018e+05										-
-8.018e+05 -2.911e+04	7.86e-03	0.0	92.9	4.246e+04	1.378e+04	-				-
367.873597.725057.695.138e+05					185.8	4.246e+04	1.301e+04	-367.87	3597.72	-
2.911e+041.758e+06										-
107 76 2.409e+06	5.388e+04	0.05	-3715.60	0.0	5.982e+04	2.102e+04	-513.56	5535.27	5.388e+04	-
1.150e+06										-
-1.150e+06 -4.152e+04	0.01	0.0	92.9	5.982e+04	1.916e+04	-				-
513.565535.276179.357.158e+05					185.8	5.982e+04	1.731e+04	-513.56	5535.27	-
4.152e+042.409e+06										-
107 77 5.085e+05	8407.39	0.08	-1542.61	0.0	2.378e+04	4434.62	-101.02	3901.41	8407.39	-
1.720e+05										-
-1.720e+05 -1.036e+04	3.46e-03	0.0	92.9	2.378e+04	3663.32	-101.02	3901.41	-		-
974.882.041e+05					185.8	2.378e+04	2892.01	-101.02	3901.41	-
1.036e+045.085e+05										-
107 80 1.794e+06	3.950e+04	0.04	-2473.89	0.0	4.626e+04	1.535e+04	-378.33	4487.26	3.950e+04	-
8.285e+05										-
-8.285e+05 -3.077e+04	8.63e-03	0.0	92.9	4.626e+04	1.412e+04	-				-
378.334487.264363.225.400e+05					185.8	4.626e+04	1.288e+04	-378.33	4487.26	-
3.077e+041.794e+06										-
107 81 5.085e+05	8407.39	0.08	-1542.61	0.0	2.378e+04	4434.62	-101.02	3901.41	8407.39	-
1.720e+05										-
-1.720e+05 -1.036e+04	3.46e-03	0.0	92.9	2.378e+04	3663.32	-101.02	3901.41	-		-
974.882.041e+05					185.8	2.378e+04	2892.01	-101.02	3901.41	-
1.036e+045.085e+05										-
107 82 5.445e+05	8683.64	0.10	-2473.89	0.0	2.758e+04	5237.84	-111.47	4790.96	8683.64	-
1.987e+05										-
-1.987e+05 -1.202e+04	4.24e-03	0.0	92.9	2.758e+04	4000.89	-111.47	4790.96	-		-
1669.352.303e+05					185.8	2.758e+04	2763.95	-111.47	4790.96	-
1.202e+045.445e+05										-
108 2 4.283e+05	1.423e+04	0.17	-1.194e+04	0.0	5.209e+04	6237.70	70.32	2.488e+04	-1.285e+04	-
1.982e+05										-
-1.982e+05	-									-
1.285e+04 0.01 0.0	192.6	5.209e+04	268.96	70.32	2.488e+04	690.15	4.283e+05			-
				385.1	5.209e+04	-5699.77	70.32	2.488e+04	1.423e+04	-
9.459e+04										-
108 3 1.425e+05	2.436e+04	-0.03	-3383.66	0.0	2.550e+04	2305.29	117.35	2.742e+04	-2.083e+04	-
1.599e+05										-
-1.599e+05	-									-
2.083e+04 0.01 0.0	192.6	2.550e+04	613.46	117.35	2.742e+04	1763.28	1.211e+05			-



[illegible]



108	73	1.479e+05	1.460e+04	0.03	-3588.21	0.0	2.337e+04	2089.98	70.63	1.841e+04	-1.260e+04	-
8.627e+04												
		-8.627e+04	-1.260e+04	7.58e-								
03	0.0	192.6	2.337e+04	295.88	70.63	1.841e+04	1000.89	1.434e+05				
							385.1	2.337e+04				
1498.23	70.63	1.841e+04	1.460e+04	2.768e+04								
108	74	3.002e+05	9150.16	0.13	-8214.86	0.0	3.639e+04	4257.59	45.32	1.668e+04	-8304.25	-
1.242e+05												
		-1.242e+05	-8304.25	7.60e-								
03	0.0	192.6	3.639e+04	150.16	45.32	1.668e+04	422.96	3.002e+05				
							385.1	3.639e+04	-3957.27	45.32	1.668e+04	9150.16
6.636e+04												-
108	75	1.459e+05	2.111e+04	-0.02	-3588.21	0.0	2.506e+04	2301.86	101.78	2.450e+04	-1.809e+04	-
1.382e+05												
		-1.382e+05	-1.809e+04	9.82e-								
03	0.0	192.6	2.506e+04	507.75	101.78	2.450e+04	1505.86	1.323e+05				
							385.1	2.506e+04				
1286.35	101.78	2.450e+04	2.111e+04	5.731e+04								
108	76	2.466e+05	1.729e+04	0.06	-6826.86	0.0	3.417e+04	3819.19	84.07	2.329e+04	-1.509e+04	-
1.648e+05												
		-1.648e+05	-1.509e+04	9.83e-								
03	0.0	192.6	3.417e+04	405.75	84.07	2.329e+04	1101.30	2.420e+05				
							385.1	3.417e+04	-3007.68	84.07	2.329e+04	1.729e+04
8524.65												-
108	77	1.694e+05	294.00	0.12	-3588.21	0.0	1.966e+04	1623.86	2.10	5005.21		-
514.042.808e+04												
		-3.749e+04	-514.04	2.65e-03	0.0	192.6	1.966e+04	-170.25	2.10	5005.21		-
110.021.680e+05												
							385.1	1.966e+04	-1964.35	2.10	5005.21	294.00
3.749e+04												-
108	78	2.478e+05	1633.93	0.17	-5901.53	0.0	2.616e+04	2707.66				
10.564142.241633.939116.44												
		-8.451e+04	-2431.91	2.76e-03	0.0	192.6	2.616e+04	-243.10	-10.56	4142.24		-
398.992.464e+05												
							385.1	2.616e+04	-3193.87	-10.56	4142.24	-2431.91
8.451e+04												-
108	79	1.479e+05	1.460e+04	0.03	-3588.21	0.0	2.337e+04	2089.98	70.63	1.841e+04	-1.260e+04	-
8.627e+04												
		-8.627e+04	-1.260e+04	7.58e-								
03	0.0	192.6	2.337e+04	295.88	70.63	1.841e+04	1000.89	1.434e+05				
							385.1	2.337e+04				
1498.23	70.63	1.841e+04	1.460e+04	2.768e+04								
108	80	1.928e+05	1.297e+04									



[illegible]



1.117e+04						385.1	2.041e+04	-1775.50	1.95	1939.13	273.61	-
109	78	2.512e+05	203.88	0.16	-6692.94	0.0	2.753e+04	3359.89	-2.14	1091.09	203.88	-
7.362e+04		-7.362e+04	-621.64	8.45e-04	0.0	192.6	2.753e+04	13.42	-2.14	1091.09	-	-
208.882.512e+05						385.1	2.753e+04	-3333.05	-2.14	1091.09	-621.64	-
6.845e+04						0.0	2.367e+04	2327.96	11.71	7178.74	-2408.64	-
109	79	1.203e+05	2099.26	-0.01	-3588.21	0.0	2.367e+04	533.85	11.71	7178.74	-	-
1.702e+05		-1.702e+05	-2408.64	2.97e-03	0.0	192.6	2.367e+04	-				-
154.691.054e+05						385.1	2.367e+04	-				-
1260.25	11.71	7178.74	2099.26	3.542e+04		0.0	2.794e+04	3256.26	9.25	6669.92	-1999.13	-
109	80	1.704e+05	1562.10	0.02	-5451.04	0.0	2.794e+04	530.74	9.25	6669.92	-	-
2.034e+05		-2.034e+05	-1999.13	2.84e-03	0.0	192.6	2.794e+04	-				-
218.511.613e+05						385.1	2.794e+04	-				-
2194.78	9.25	6669.92	1562.10	1050.30		0.0	2.041e+04	1812.71	1.95	1939.13	-478.64	-
109	81	1.580e+05	273.61	0.11	-3588.21	0.0	2.041e+04	18.61	1.95	1939.13	-	-
1.834e+04		-1.834e+04	-478.64	1.00e-03	0.0	192.6	2.041e+04	-				-
102.511.580e+05						385.1	2.041e+04	-1775.50	1.95	1939.13	273.61	-
1.117e+04						0.0	2.468e+04	2741.02	-0.50	1430.31	-69.13	-
109	82	2.139e+05	-69.13	0.14	-5451.04	0.0	2.468e+04	15.49	-0.50	1430.31	-	-
5.151e+04		-5.151e+04	-263.54	8.79e-04	0.0	192.6	2.468e+04	-				-
166.332.139e+05						385.1	2.468e+04	-2710.03	-0.50	1430.31	-263.54	-
4.554e+04						0.0	5.475e+04	9153.59	-21.44	-1.327e+04	4357.34	-
110	2	4.663e+05	4357.34	0.13	-1.669e+04	0.0	5.475e+04	810.65	-21.44	-		-
5.000e+05		-5.000e+05	-3900.44	-5.87e-03	0.0	192.6	5.475e+04	-				-
1.327e+04	228.454.594e+05					385.1	5.475e+04	-7532.28	-21.44	-1.327e+04	-3900.44	-
1.878e+05						0.0	2.546e+04	2572.30	-18.35	-1.070e+04	3719.68	-
110	3	1.082e+05	3719.68	-0.09	-3383.66	0.0	2.546e+04	880.47	-18.35	-		-
2.683e+05		-2.683e+05	-3346.23	-4.28e-03	0.0	192.6	2.546e+04	-				-
1.070e+04	186.736.417e+04					385.1	2.546e+04	-811.36	-18.35	-1.070e+04	-	-
3346.237.083e+04						0.0	4.301e+04	7011.69	-27.74	-1.611e+04	5569.70	-
110	8	2.783e+05	5569.70	-0.06	-1.157e+04	0.0	4.301e+04	1228.92	-27.74	-		-
5.394e+05		-5.394e+05	-5114.19	-6.67e-03	0.0	192.6	4.301e+04	-				-
1.611e+04	227.762.540e+05					385.1	4.301e+04	-4553.84	-27.74	-1.611e+04	-5114.19	-
6.616e+04						0.0	2.225e+04	2763.75	-2.63	953.47	694.91	-
110	9	2.239e+05	694.91	0.18	-5925.88	0.0	2.225e+04	-199.20	-			-
2.715e+04		-9.563e+04	-325.06	2.41e-03	0.0	192.6	2.225e+04	-				-
2.63953.47184.932.239e+05						385.1	2.225e+04	-3162.14	-2.63	953.47	-325.06	-
9.563e+04						0.0	2.495e+04	2820.33	4.30	-2041.00	-	-
110	12	2.596e+05	816.10	0.18	-5925.88	0.0	2.495e+04	-142.61	4.30	-2041.00	-	-
846.115880.95		-5.728e+04	-846.11	-3.58e-03	0.0	192.6	2.495e+04	-				-
15.002.596e+05						385.1	2.495e+04	-3105.56	4.30	-2041.00	816.10	-
5.728e+04						0.0	2.249e+04	2736.65	1.66	-2410.37	-281.97	-
110	14	2.266e+05	358.79	0.19	-5925.88	0.0	2.249e+04	-226.29	1.66	-		-
1.970e+04		-9.863e+04	-281.97	-3.41e-03	0.0	192.6	2.249e+04	-				-
2410.37	38.41	2.261e+05				385.1	2.249e+04	-3189.23	1.66	-2410.37	358.79	-
9.863e+04						0.0	2.281e+04	2823.90	-6.80	4933.26	1666.92	-
110	25	2.327e+05	1666.92	0.18	-5925.88	0.0	2.281e+04	-139.04	-			-
2.705e+04		-7.812e+04	-967.23	9.03e-03	0.0	192.6	2.281e+04	-				-
6.804933.26349.852.327e+05						385.1	2.281e+04	-3101.98	-6.80	4933.26	-967.23	-
7.812e+04						0.0	2.438e+04	2760.17	8.47	-6020.79	-	-
110	28	2.514e+05	1458.27	0.19	-5925.88	0.0	2.438e+04	-202.77	8.47	-6020.79	-	-
1818.125787.46		-7.479e+04	-1818.12	-0.01	0.0	192.6	2.438e+04	-				-
179.922.508e+05						385.1	2.438e+04	-3165.72	8.47	-6020.79	1458.27	-
7.479e+04												-



110	41	2.310e+05	436.03	0.18	-5925.88	0.0	2.277e+04	2776.86	-1.45	538.78	436.03	-
2.078e+04		-8.779e+04	-124.60	1.54e-03	0.0	192.6	2.277e+04	-186.09	-			
1.45538.78155.722.310e+05												
8.779e+04						385.1	2.277e+04	-3149.03	-1.45	538.78	-124.60	-
110	44	2.525e+05	615.64	0.18	-5925.88	0.0	2.442e+04	2807.22	3.12	-1626.31	-587.23	-
482.11		-6.512e+04	-587.23	-2.71e-03	0.0	192.6	2.442e+04	-155.73	3.12	-		
1626.31	14.21	2.525e+05										
6.512e+04						385.1	2.442e+04	-3118.67	3.12	-1626.31	615.64	-
110	46	2.328e+05	341.91	0.18	-5925.88	0.0	2.294e+04	2757.57	1.52	-1853.82	-246.53	-
1.549e+04		-8.992e+04	-246.53	-2.61e-03	0.0	192.6	2.294e+04	-205.37	1.52	-		
1853.82	47.69	2.326e+05										
8.992e+04						385.1	2.294e+04	-3168.31	1.52	-1853.82	341.91	-
110	57	2.359e+05	1135.07	0.18	-5925.88	0.0	2.308e+04	2816.19	-4.42	3356.54	1135.07	-
2.184e+04		-7.695e+04	-576.78	6.26e-03	0.0	192.6	2.308e+04	-146.75	-			
4.423356.54279.142.359e+05												
7.695e+04						385.1	2.308e+04	-3109.69	-4.42	3356.54	-576.78	-
110	60	2.479e+05	1067.82	0.19	-5925.88	0.0	2.411e+04	2767.88	6.09	-4444.07	-	
1286.26	570.32	-7.596e+04	-1286.26	-7.43e-03	0.0	192.6	2.411e+04	-195.06	6.09	-4444.07	-	
109.222.476e+05												
7.596e+04						385.1	2.411e+04	-3158.01	6.09	-4444.07	1067.82	-
110	73	1.203e+05	2408.64	-0.01	-3588.21	0.0	2.367e+04	2327.96	-11.71	-7178.74	2408.64	-
1.702e+05		-1.702e+05	-2099.26	-2.97e-03	0.0	192.6	2.367e+04	533.85	-11.71	-		
7178.74	154.69	1.054e+05										
2099.263.542e+04						385.1	2.367e+04	-1260.25	-11.71	-7178.74	-	
110	74	3.249e+05	2900.61	0.10	-1.138e+04	0.0	3.824e+04	6216.91	-14.24	-8878.55	2900.61	-
3.285e+05		-3.285e+05	-2581.74	-3.95e-03	0.0	192.6	3.824e+04	526.68	-14.24	-		
8878.55	159.43	3.207e+05										
1.257e+05						385.1	3.824e+04	-5163.55	-14.24	-8878.55	-2581.74	-
110	76	2.438e+05	3630.29	0.02	-9042.79	0.0	3.535e+04	5284.43	-17.91	-1.075e+04	3630.29	-
3.501e+05		-3.501e+05	-3266.83	-4.55e-03	0.0	192.6	3.535e+04	763.03	-17.91	-		
1.075e+04	181.732.322e+05											
5.619e+04						385.1	3.535e+04	-3758.36	-17.91	-1.075e+04	-3266.83	-
110	77	1.580e+05	478.64	0.11	-3588.21	0.0	2.041e+04	1812.71	-1.95	-1939.13	478.64	-
1.834e+04		-1.834e+04	-273.61	-1.00e-03	0.0	192.6	2.041e+04	18.61	-1.95	-		
1939.13	102.51	1.580e+05										
1.117e+04						385.1	2.041e+04	-1775.50	-1.95	-1939.13	-273.61	-



[illegible]



1.398e+05						385.1	2.309e+04	-3491.55	33.53	-5035.37	6941.04	-	
111	70	2.571e+05	6968.00	0.20	-5925.88	0.0	2.311e+04	2435.74	33.70	-5019.70	-		
6015.086.598e+04		-1.392e+05	-6015.08	-8.50e-03	0.0	192.6	2.311e+04	-527.21	33.70	-			
5019.70	476.46	2.487e+05				385.1	2.311e+04	-3490.15	33.70	-5019.70	6968.00	-	
1.392e+05													
111	73	1.479e+05	1.260e+04	0.03	-3588.21	0.0	2.337e+04	2089.98	-70.63	-1.841e+04	1.260e+04	-	
8.627e+04		-8.627e+04	-1.460e+04	-7.58e-03	0.0	192.6	2.337e+04	295.88	-70.63	-1.841e+04	-		
1000.891.434e+05						385.1	2.337e+04	-1498.23	-70.63	-1.841e+04	-		
1.460e+042.768e+04													
111	74	3.614e+05	9849.95	0.14	-1.138e+04	0.0	3.724e+04	5823.90	-54.01	-2.011e+04	9849.95	-	
2.122e+05		-2.122e+05	-1.095e+04	-9.10e-03	0.0	192.6	3.724e+04	133.67	-54.01	-2.011e+04	-		
549.793.614e+05						385.1	3.724e+04	-5556.56	-54.01	-2.011e+04	-1.095e+04	-	
1.607e+05													
111	75	1.459e+05	1.809e+04	-0.02	-3588.21	0.0	2.506e+04	2301.86	-101.78	-2.450e+04	1.809e+04	-	
1.382e+05		-1.382e+05	-2.111e+04	-9.82e-03	0.0	192.6	2.506e+04	507.75	-101.78	-2.450e+04	-		
1505.861.323e+05						385.1	2.506e+04	-1286.35	-101.78	-2.450e+04	-		
2.111e+045.731e+04													
111	76	2.875e+05	1.617e+04	0.07	-9042.79	0.0	3.477e+04	4915.60	-90.15	-2.569e+04	1.617e+04	-	
2.264e+05		-2.264e+05	-1.855e+04	-0.01	0.0	192.6	3.477e+04	394.21	-90.15	-2.569e+04	-		
1190.092.848e+05						385.1	3.477e+04	-4127.19	-90.15	-2.569e+04	-1.855e+04	-	
7.458e+04													
111	77	1.694e+05	514.04	0.12	-3588.21	0.0	1.966e+04	1623.86	-2.10	-	-		
5005.21	514.04	2.808e+04											
		-3.749e+04	-294.00	-2.65e-03	0.0	192.6	1.966e+04	-170.25	-2.10	-	-		
5005.21	110.02	1.680e+05				385.1	1.966e+04	-1964.35	-2.10	-5005.21	-294.00	-	
3.749e+04													
111	78	2.774e+05	1532.22	0.17	-7484.34	0.0	2.659e+04	3490.82	6.21	-5855.35	-861.08	-	
3.489e+04		-1.317e+05	-861.08	-3.41e-03	0.0	192.6	2.659e+04	-251.35	6.21	-	-		
5855.35	335.57	2.770e+05				385.1	2.659e+04	-3993.52	6.21	-5855.35	1532.22	-	
1.317e+05													
111	79	1.479e+05	1.260e+04	0.03	-3588.21	0.0	2.337e+04	2089.98	-70.63	-1.841e+04	1.260e+04	-	
8.627e+04		-8.627e+04	-1.460e+04	-7.58e-03	0.0	192.6	2.337e+04	295.88	-70.63	-1.841e+04	-		
1000.891.434e+05						385.1	2.337e+04	-1498.23	-70.63	-1.841e+04	-		
1.460e+042.768e+04													
111	80	2.103e+05	1.178e+04	0.06	-5925.88	0.0	2.753e+04	3210.16	-65.64	-1.892e+04	1.178e+04	-	
1.240e+05		-1.240e+05	-1.351e+04	-8.03e-03	0.0	192.6	2.753e+04	247.22	-65.64	-1.892e+04	-		
865.562.088e+05						385.1	2.753e+04	-2715.73	-65.64	-1.892e+04	-1.351e+04	-	
2.884e+04													
111	81	1.694e+05	514.04	0.12	-3588.21	0.0	1.966e+04	1623.86	-2.10	-	-		
5005.21	514.04	2.808e+04											
		-3.749e+04	-294.00	-2.65e-03	0.0	192.6	1.966e+04	-170.25	-2.10	-	-		
5005.21	110.02	1.680e+05				385.1	1.966e+04	-1964.35	-2.10	-5005.21	-294.00	-	
3.749e+04													
111	82	2.342e+05	801.74	0.15	-5925.88	0.0	2.382e+04	2744.03	2.89	-5515.29	-311.03	-	
9703.32		-9.401e+04	-311.03	-3.10e-03	0.0	192.6	2.382e+04	-218.91	2.89	-	-		
5515.29	245.35	2.334e+05				385.1	2.382e+04	-3181.85	2.89	-5515.29	801.74	-	
9.401e+04													
112	2	4.642e+05	9277.51	-0.04	-1.216e+04	0.0	5.151e+04	6102.76	46.39	3831.98	-8907.60	-	
1.361e+05		-1.361e+05	-8907.60	1.51e-									
03	0.0	196.0	5.151e+04	23.31	46.39	3831.98	184.96	4.642e+05					
							392.0	5.151e+04	-6056.14	46.39	3831.98	9277.51	-
1.270e+05													
112	3	1.395e+05	1.200e+04	-0.08	-3445.73	0.0	2.355e+04	1893.33	56.15	4791.98	-1.001e+04	-	
6.427e+04		-6.427e+04	-1.001e+04	2.39e-									
03	0.0	196.0	2.355e+04	170.47	56.15	4791.98	992.27	1.380e+05					
							392.0	2.355e+04	-				
1552.39	56.15	4791.98	1.200e+04	2556.85									



112	7	1.250e+05	1.657e+04	-0.12	-3445.73	0.0	2.497e+04	1998.99	77.10	6411.71	-1.365e+04	-	
1.021e+05													
		-1.021e+05	-1.365e+04	3.19e-									
03	0.0	196.0	2.497e+04	276.13	77.10	6411.71	1459.74	1.209e+05					
							392.0	2.497e+04	-				
1446.74	77.10	6411.71	1.657e+04	6155.48									
112	8	2.942e+05	1.509e+04	-0.08	-8394.44	0.0	3.920e+04	4407.91	71.86	5736.87	-1.308e+04	-	
1.584e+05													
		-1.584e+05	-1.308e+04	2.57e-									
03	0.0	196.0	3.920e+04	210.69	71.86	5736.87	1003.40	2.942e+05					
							392.0	3.920e+04	-3986.53	71.86	5736.87	1.509e+04	-
7.580e+04													
112	21	2.451e+05	1898.29	0.07	-5068.01	0.0	2.374e+04	2210.04	-				
11.621171.311	1898.295	654e+04											
		-7.111e+04	-2658.61	1.79e-03	0.0	196.0	2.374e+04	-323.97	-11.62	1171.31	-		
380.162	410e+05												
							392.0	2.374e+04	-2857.97	-11.62	1171.31	-2658.61	-
7.111e+04													
112	30	2.285e+05	-830.76	0.06	-5068.01	0.0	2.104e+04	2428.99	0.62	-1997.91	-		
1081.90	748.97												
		-4.036e+04	-1081.90	-5.04e-03	0.0	196.0	2.104e+04	-105.02	0.62	-1997.91	-		
956.332	285e+05												
							392.0	2.104e+04	-2639.03	0.62	-1997.91	-830.76	-
4.036e+04													
112	31	2.609e+05	2873.51	0.07	-5068.01	0.0	2.666e+04	2315.61	-				
15.131646.232	873.515	392e+04											
		-3.175e+04	-3063.44	4.74e-03	0.0	196.0	2.666e+04	-218.40	-15.13	1646.23	-		
94.972	594e+05												
							392.0	2.666e+04	-2752.41	-15.13	1646.23	-3063.44	-
3.175e+04													
112	33	2.588e+05	3391.23	0.08	-5068.01	0.0	2.615e+04	2222.25	-				
17.632548.113	391.236	799e+04											
		-5.457e+04	-3526.26	5.51e-03	0.0	196.0	2.615e+04	-311.76	-17.63	2548.11	-		
67.512	550e+05												
							392.0	2.615e+04	-2845.76	-17.63	2548.11	-3526.26	-
5.457e+04													
112	53	2.453e+05	1570.66	0.07	-5068.01	0.0	2.387e+04	2271.49	-				
10.17719.621	570.664	602e+04											
		-5.728e+04	-2415.94	1.40e-03	0.0	196.0	2.387e+04	-262.52	-10.17	719.62	-		
422.642	427e+05												
							392.0	2.387e+04	-2796.52	-10.17	719.62	-2415.94	-
5.728e+04													
112	62	2.332e+05	-523.81	0.06	-5068.01	0.0	2.188e						



03	0.0	196.0	-9.364e+04 3.299e+04	-8463.68 91.41	1.72e- 45.89	3829.52	530.68 392.0	2.650e+05 3.299e+04	-3385.21	45.89	3829.52	9525.04	-
5.780e+04													
	112	77	1.854e+05	884.30	0.03	-3654.09	0.0	2.053e+04	1739.64	5.27	869.46	-	
1182.772.352e+04													
			-1.075e+04	-1182.77	4.48e-04	0.0	196.0	2.053e+04	-87.40	5.27	869.46	-	
149.241.854e+05													
							392.0	2.053e+04	-1914.45	5.27	869.46	884.30	-
1.075e+04													
	112	78	2.680e+05	177.75	0.05	-6010.63	0.0	2.730e+04	2886.75	2.78	548.11	-910.83	-
3293.85													
			-4.977e+04	-910.83	4.99e-04	0.0	196.0	2.730e+04	-118.57	2.78	548.11	-	
366.542.680e+05													
							392.0	2.730e+04	-3123.88	2.78	548.11	177.75	-
4.977e+04													
	112	79	1.607e+05	7504.86	-0.03	-3654.09	0.0	2.257e+04	1892.57	35.60	3213.80	-6450.14	-
3.122e+04													
			-3.122e+04	-6450.14	1.61e-								
03	0.0	196.0	2.257e+04	65.52	35.60	3213.80	527.36 392.0	1.607e+05 2.257e+04	-1761.53	35.60	3213.80	7504.86	-
5537.75													
	112	81	1.854e+05	884.30	0.03	-3654.09	0.0	2.053e+04	1739.64	5.27	869.46	-	
1182.772.352e+04													
			-1.075e+04	-1182.77	4.48e-04	0.0	196.0	2.053e+04	-87.40	5.27	869.46	-	
149.241.854e+05													
							392.0	2.053e+04	-1914.45	5.27	869.46	884.30	-
1.075e+04													
	112	82	2.350e+05	460.37	0.04	-5068.01	0.0	2.459e+04	2427.91	3.78	676.65	-	
1019.607430.05													
			-3.416e+04	-1019.60	4.63e-04	0.0	196.0	2.459e+04	-106.10	3.78	676.65	-	
279.622.350e+05													
							392.0	2.459e+04	-2640.11	3.78	676.65	460.37	-
3.416e+04													
	113	2	4.967e+05	1936.53	-0.04	-1.458e+04	0.0	5.044e+04	7040.18	8.97	778.16	-1579.46	-
1.689e+05													
			-2.663e+05	-1579.46	-4.48e-04	0.0	196.0	5.044e+04	-				
248.558.97778.16													
			178.54	4.967e+05			392.0	5.044e+04	-7537.27	8.97	778.16	1936.53	-
2.663e+05													
	113	3	1.186e+05	2129.74	-0.09	-3445.73	0.0	2.146e+04	1510.46	9.04	1710.92	-1415.72	-
1.115e+04													
			-9.441e+04	-1415.72	8.44e-04	0.0	196.0	2.146e+04	-				
212.409.041710.92													
			357.01	1.161e+05			392.0	2.146e+04	-1935.26	9.04	1710.92	2129.74	-
9.441e+04													
	113	5	1.736e+05	2850.74	-0.11	-5089.30	0.0	2.981e+04	2258.93	12.11	2291.90	-1894.86	-
2.289e+04													
			-1.349e+05	-1894.86	1.13e-03	0.0	196.0	2.981e+04	-				
285.7212.112291.90													
			477.94	1.705e+05			392.0	2.981e+04	-2830.37	12.11	2291.90	2850.74	-
1.349e+05													
	113	6	3.802e+05	2699.11	-0.07	-1.173e+04	0.0	4.471e+04	5570.19	11.99	1631.93	-2002.71	-
1.367e+05													
			-2.525e+05	-2002.71	4.87e-04	0.0	196.0	4.471e+04	-				
295.3111.991631.93													
			348.20	3.8									



[illegible]



113	81	1.866e+05	439.70	0.03	-3654.09	0.0	2.028e+04	1737.53	1.83	328.78	-
278.372.507e+04											
		-1.002e+04	-278.37	1.79e-04	0.0	196.0	2.028e+04	-			
89.511.83328.78	80.67	1.866e+05									
						392.0	2.028e+04	-1916.56	1.83	328.78	439.70
1.002e+04											
113	82	2.465e+05	396.38	0.04	-5551.72	0.0	2.454e+04	2683.61	1.80	140.22	-309.18
7451.61											
		-4.361e+04	-309.18	-9.12e-05	0.0	196.0	2.454e+04	-			
92.251.80140.22	43.60	2.465e+05									
						392.0	2.454e+04	-2868.11	1.80	140.22	396.38
4.361e+04											
114	2	5.416e+05	1202.05	-0.04	-1.700e+04	0.0	5.103e+04	8238.79	-8.84	-2674.59	1202.05
2.404e+05											
		-3.420e+05	-2264.97	-1.86e-03	0.0	196.0	5.103e+04	-259.21	-8.84	-2674.59	-
531.465.416e+05											
						392.0	5.103e+04	-8757.20	-8.84	-2674.59	-2264.97
3.420e+05											
114	3	1.186e+05	1415.72	-0.09	-3445.73	0.0	2.146e+04	1510.46	-9.04	-1710.92	1415.72
1.115e+04											
		-9.441e+04	-2129.74	-8.44e-04	0.0	196.0	2.146e+04	-212.40	-9.04	-1710.92	-
357.011.161e+05											
						392.0	2.146e+04	-1935.26	-9.04	-1710.92	-2129.74
9.441e+04											
114	5	1.736e+05	1894.86	-0.11	-5089.30	0.0	2.981e+04	2258.93	-12.11	-2291.90	1894.86
2.289e+04											
		-1.349e+05	-2850.74	-1.13e-03	0.0	196.0	2.981e+04	-285.72	-12.11	-2291.90	-
477.941.705e+05											
						392.0	2.981e+04	-2830.37	-12.11	-2291.90	-2850.74
1.349e+05											
114	6	4.116e+05	1738.52	-0.07	-1.342e+04	0.0	4.512e+04	6409.22	-11.91	-2959.43	1738.52
1.868e+05											
		-3.055e+05	-2929.02	-1.84e-03	0.0	196.0	4.512e+04	-302.77	-11.91	-2959.43	-
595.254.116e+05											
						392.0	4.512e+04	-7014.76	-11.91	-2959.43	-2929.02
3.055e+05											
114	9	2.616e+05	1203.84	0.07	-6035.43	0.0	2.321e+04	2862.44	-5.55	-133.70	1203.84
3367.86											
		-6.493e+04	-973.77	1.29e-03	0.0	196.0	2.321e+04	-155.28	-5.55	-	-
133.70115.042.616e+05											
						392.0	2.321e+04	-3173.00	-5.55	-133.70	-973.77
6.493e+04											
114	12	2.773e+05	783.94	0.06	-6035.43	0.0	2.541e+04	3037.78	5.14	-304.34	-1230.62
2.268e+04											
		-2.268e+04	-1230.62	-1.76e-03	0.0	196.0	2.541e+04	20.06	5.14	-304.34	-
223.342.7											



7.441060.13321.662.649e+05	-4.336e+04	-1136.49	3.26e-03	0.0	196.0	2.357e+04	-64.17	-				
4.336e+04					392.0	2.357e+04	-3081.89	-7.44	1060.13	-1136.49	-	
114 60 2.740e+05	946.66	0.07	-6035.43	0.0	2.505e+04	2946.67	7.02	-1498.17	-1806.59	-		
7828.12												
429.972.740e+05	-3.569e+04	-1806.59	-3.73e-03	0.0	196.0	2.505e+04	-71.05	7.02	-1498.17	-		
3.569e+04					392.0	2.505e+04	-3088.76	7.02	-1498.17	946.66	-	
114 73 1.493e+05	957.87	-0.04	-3654.09	0.0	2.123e+04	1663.90	-6.14	-				
1155.11 957.87 1034.72												
245.751.481e+05	-6.292e+04	-1449.37	-5.77e-04	0.0	196.0	2.123e+04	-163.14	-6.14	-1155.11	-		
6.292e+04					392.0	2.123e+04	-1990.19	-6.14	-1155.11	-1449.37	-	
114 74 3.778e+05	808.98	-0.03	-1.159e+04	0.0	3.581e+04	5616.56	-5.95	-1790.86	808.98	-		
1.551e+05												
357.473.778e+05	-2.254e+05	-1523.92	-1.25e-03	0.0	196.0	3.581e+04	-179.38	-5.95	-1790.86	-		
2.254e+05					392.0	3.581e+04	-5975.33	-5.95	-1790.86	-1523.92	-	
114 75 1.326e+05	1266.73	-0.07	-3654.09	0.0	2.166e+04	1630.43	-8.10	-1530.72	1266.73	-		
9888.50												
320.791.306e+05	-8.696e+04	-1908.32	-7.58e-04	0.0	196.0	2.166e+04	-196.61	-8.10	-1530.72	-		
8.696e+04					392.0	2.166e+04	-2023.66	-8.10	-1530.72	-1908.32	-	
114 76 2.914e+05	1162.51	-0.05	-9210.55	0.0	3.187e+04	4397.29	-7.97	-1975.74	1162.51	-		
1.192e+05												
399.002.914e+05	-2.007e+05	-1960.50	-1.23e-03	0.0	196.0	3.187e+04	-207.98	-7.97	-1975.74	-		
2.007e+05					392.0	3.187e+04	-4813.26	-7.97	-1975.74	-1960.50	-	
114 77 1.866e+05	278.37	0.03	-3654.09	0.0	2.028e+04	1737.53	-1.83	-				
328.78278.372.507e+04												
80.671.866e+05	-1.002e+04	-439.70	-1.79e-04	0.0	196.0	2.028e+04	-89.51	-1.83	-328.78	-		
1.002e+04					392.0	2.028e+04	-1916.56	-1.83	-328.78	-439.70	-	
114 78 3.014e+05	203.92	0.05	-7622.99	0.0	2.757e+04	3713.86	-1.74	-646.65	203.92	-		
5.298e+04												
136.533.014e+05	-9.125e+04	-476.98	-5.14e-04	0.0	196.0	2.757e+04	-97.63	-1.74	-646.65	-		
9.125e+04					392.0	2.757e+04	-3909.13	-1.74	-646.65	-476.98	-	
114 79 1.493e+05	957.87	-0.04	-3654.09	0.0	2.123e+04	1663.90	-6.14	-				
1155.11 957.87 1034.72												
245.751.481e+05	-6.292e+04	-1449.37	-5.77e-04	0.0	196.0	2.123e+04	-163.14	-6.14	-1155.11	-		
6.292e+04					392.0	2.123e+04	-1990.19	-6.14	-1155.11	-1449.37	-	
114 80 2.170e+05	913.20	-0.03	-6035.43	0.0	2.560e+04	2849.70	-6.08	-1345.84	913.20	-		
4.579e+04												
279.272.170e+05	-1.117e+05	-1471.74	-7.78e-04	0.0	196.0	2.560e+04	-168.02	-6.08	-1345.84	-		
1.117e+05					392.0	2.560e+04	-3185.73	-6.08	-1345.84	-1471.74	-	
114 81 1.866e+05	278.37	0.03	-3654.09	0.0	2.028e+04	1737.53	-1.83	-				
328.78278.372.507e+04												
80.671.866e+05	-1.002e+04	-439.70	-1.79e-04	0.0	196.0	2.028e+04	-89.51	-1.83	-328.78	-		
1.002e+04					392.0	2.028e+04	-1916.56	-1.83	-328.78	-439.70	-	
114 82 2.555e+05	233.70	0.04	-6035.43	0.0	2.466e+04	2923.33	-1.77	-519.51	233.70	-		
2.176e+04												
114.182.555e+05	-5.876e+04	-462.07	-3.80e-04	0.0	196.0	2.466e+04	-94.38	-1.77	-519.51	-		
5.876e+04					392.0	2.466e+04	-3112.10	-1.77	-519.51	-462.07	-	
115 2 5.582e+05	8637.43	-0.04	-1.700e+04	0.0	5.323e+04	8480.30	-46.52	-5658.36	8637.43	-		
2.711e+05												
479.655.582e+05	-2.781e+05	-9596.73	-3.38e-03	0.0	196.0	5.323e+04	-17.70	-46.52	-5658.36	-		
2.781e+05					392.0	5.323e+04	-8515.69	-46.52	-5658.36	-9596.73	-	
115 3 1.395e+05	1.001e+04	-0.08	-3445.73	0.0	2.355e+04	1893.33	-56.15	-4791.98	1.001e+04	-		
6.427e+04												
992.271.380e+05	-6.427e+04	-1.200e+04	-2.39e-03	0.0	196.0	2.355e+04	170.47	-56.15	-4791.98	-		



1.200e+042556.85						392.0	2.355e+04	-1552.39	-56.15	-4791.98	-
115	4	4.796e+05	8926.06	-0.05	-1.535e+04	0.0	4.561e+04	7712.19	-48.78	-5654.30	8926.06
2.797e+05											-
		-2.797e+05	-1.020e+04	-3.37e-03	0.0	196.0	4.561e+04	35.98	-48.78	-5654.30	-
635.064.796e+05											-
						392.0	4.561e+04	-7640.23	-48.78	-5654.30	-1.020e+04
2.656e+05											-
115	7	1.250e+05	1.365e+04	-0.12	-3445.73	0.0	2.497e+04	1998.99	-77.10	-6411.71	1.365e+04
1.021e+05											-
		-1.021e+05	-1.657e+04	-3.19e-03	0.0	196.0	2.497e+04	276.13	-77.10	-6411.71	-
1459.741.209e+05											-
						392.0	2.497e+04	-1446.74	-77.10	-6411.71	-
1.657e+046155.48											-
115	14	2.634e+05	2594.77	0.08	-6035.43	0.0	2.408e+04	2685.55	11.59	-1536.59	-
1952.322.954e+04											-
		-1.013e+05	-1952.32	-2.07e-03	0.0	196.0	2.408e+04	-332.17	11.59	-	-
1536.59	321.22	2.598e+05									-
						392.0	2.408e+04	-3349.88	11.59	-1536.59	2594.77
1.013e+05											-
115	25	2.473e+05	1027.87	0.06	-6035.43	0.0	2.138e+04	2904.49	-0.65	1632.63	1027.87
2.625e+04											-
		-7.058e+04	766.92	4.67e-03	0.0	196.0	2.138e+04	-113.22	-	-	-
0.651632.63897.392.473e+05											-
						392.0	2.138e+04	-3130.94	-0.65	1632.63	766.92
7.058e+04											-
115	28	2.791e+05	2999.60	0.07	-6035.43	0.0	2.700e+04	2791.11	15.10	-2011.51	-
2927.542.692e+04											-
		-6.197e+04	-2927.54	-5.11e-03	0.0	196.0	2.700e+04	-226.60	15.10	-	-
2011.51	36.03	2.782e+05									-
						392.0	2.700e+04	-3244.32	15.10	-2011.51	2999.60
6.197e+04											-
115	38	2.771e+05	3462.41	0.08	-6035.43	0.0	2.649e+04	2697.76	17.61	-2913.39	-
3445.264.098e+04											-
		-8.478e+04	-3445.26	-5.88e-03	0.0	196.0	2.649e+04	-319.96	17.61	-	-
2913.39	8.58	2.738e+05									-
						392.0	2.649e+04	-3337.68	17.61	-2913.39	3462.41
8.478e+04											-
115	46	2.635e+05	2352.10	0.07	-6035.43	0.0	2.421e+04	2747.00	10.14	-1084.89	-
1624.691.902e+04											-
		-8.750e+04	-1624.69	-1.67e-03	0.0	196.0	2.421e+04	-270.72	10.14	-	-
1084.89	363.70	2.615e+05									-
						392.0	2.421e+04	-3288.43	10.14	-1084.89	2352.10
8.750e+04											-
115	57	2.520e+05	1081.15	0.06	-6035.43	0.0	2.222e+04	2892.56	1.57	1122.76	469.77
1.92											



115	77	1.854e+05	1182.77	0.03	-3654.09	0.0	2.053e+04	1739.64	-5.27	-	
869.461182.772.352e+04											
		-1.075e+04	-884.30	-4.48e-04	0.0	196.0	2.053e+04	-87.40	-5.27	-	
869.46149.241.854e+05											
						392.0	2.053e+04	-1914.45	-5.27	-869.46	-884.30
1.075e+04											
115	78	2.993e+05	820.77	0.05	-7622.99	0.0	2.788e+04	3679.26	-2.82	-1156.90	820.77
4.830e+04											
		-1.001e+05	-284.16	-7.76e-04	0.0	196.0	2.788e+04	-132.23	-2.82	-	
1156.90	268.31	2.993e+05									
						392.0	2.788e+04	-3943.73	-2.82	-1156.90	-284.16
1.001e+05											
115	79	1.607e+05	6450.14	-0.03	-3654.09	0.0	2.257e+04	1892.57	-35.60	-3213.80	6450.14
3.122e+04											
		-3.122e+04	-7504.86	-1.61e-03	0.0	196.0	2.257e+04	65.52	-35.60	-3213.80	-
527.361.607e+05											
						392.0	2.257e+04	-1761.53	-35.60	-3213.80	-7504.86
5537.75											
115	81	1.854e+05	1182.77	0.03	-3654.09	0.0	2.053e+04	1739.64	-5.27	-	
869.461182.772.352e+04											
		-1.075e+04	-884.30	-4.48e-04	0.0	196.0	2.053e+04	-87.40	-5.27	-	
869.46149.241.854e+05											
						392.0	2.053e+04	-1914.45	-5.27	-869.46	-884.30
1.075e+04											
115	82	2.538e+05	965.57	0.04	-6035.43	0.0	2.494e+04	2903.41	-3.80	-1041.92	965.57
1.957e+04											
		-6.438e+04	-524.22	-6.45e-04	0.0	196.0	2.494e+04	-114.30	-3.80	-	
1041.92	220.68	2.538e+05									
						392.0	2.494e+04	-3132.02	-3.80	-1041.92	-524.22
6.438e+04											
116	2	4.725e+05	9926.36	-0.21	-1.216e+04	0.0	5.066e+04	6593.51	53.14	2736.95	-1.091e+04
2.273e+05											
		-2.273e+05	-1.091e+04	1.94e-03	0.0	196.0	5.066e+04	514.06	53.14	2736.95	-
489.554.692e+05											
						392.0	5.066e+04	-5565.39	53.14	2736.95	9926.36
2.583e+04											
116	3	1.478e+05	7417.40	-0.14	-3445.73	0.0	2.290e+04	2059.95	36.43	1463.83	-6864.81
9.303e+04											
		-9.303e+04	-6864.81	9.38e-	36.43	1463.83	276.29	1.419e+05			
04	0.0	196.0	2.290e+04	337.09			392.0	2.290e+04	-		
1385.77	36.43	1463.83	7417.40	3.910e+04							
116	6	3.842e+05	1.152e+04	-0.23	-1.004e+04	0.0	4.580e+04	5563.76	59.24	2802.17	-1.170e+04
2.200e+05											
		-2.200e+05	-1.170e+04	1.84e-03	0.0	196.0	4.580e+04	544.75	59.24	2802	



580.352.375e+05	-5.783e+04	-3024.28	8.90e-04	0.0	196.0	2.357e+04	239.81	12.47	542.62	-		
					392.0	2.357e+04	-					
2294.19	12.47	542.62	1863.58	3.613e+04								
116	68	2.343e+05	2793.39	-0.06	-5068.01	0.0	2.168e+04	2725.27	18.63	1706.98	-4509.92	-
5.169e+04												
	-5.169e+04	-4509.92	1.36e-03	0.0	196.0	2.168e+04	191.27	18.63	1706.98	-		
858.272.336e+05												
					392.0	2.168e+04	-					
2342.74	18.63	1706.98	2793.39	2.218e+04								
116	69	2.567e+05	39.58	-0.06	-5068.01	0.0	2.595e+04	2665.80	-0.72	-617.04	39.58	-
1.798e+04												
	-1.798e+04	-242.13	-2.50e-04	0.0	196.0	2.595e+04	131.80	-0.72	-617.04	-		
101.272.567e+05												
					392.0	2.595e+04	-2402.21	-0.72	-617.04	-		
242.133.480e+04												
116	70	2.360e+05	2594.80	-0.05	-5068.01	0.0	2.144e+04	2684.16	17.66	1732.49	-4327.96	-
4.106e+04												
	-4.106e+04	-4327.96	1.35e-03	0.0	196.0	2.144e+04	150.15	17.66	1732.49	-		
866.582.360e+05												
					392.0	2.144e+04	-					
2383.86	17.66	1732.49	2594.80	1.649e+04								
116	71	2.546e+05	-64.25	-0.07	-5068.01	0.0	2.620e+04	2710.15	-0.14	-786.67	-64.25	-
2.944e+04												
	-2.944e+04	-121.34	-2.47e-04	0.0	196.0	2.620e+04	176.14	-0.14	-786.67	-		
92.792.541e+05												
					392.0	2.620e+04	-2357.86	-0.14	-786.67	-		
121.344.091e+04												
116	73	1.675e+05	5244.45	-0.11	-3654.09	0.0	2.214e+04	2099.79	26.44	1063.40	-5120.06	-
6.891e+04												
	-6.891e+04	-5120.06	7.79e-									
04	0.0	196.0	2.214e+04	272.74	26.44	1063.40	62.19	1.636e+05				
							392.0	2.214e+04	-			
1554.31	26.44	1063.40	5244.45	3.800e+04								
116	74	3.315e+05	6706.83	-0.15	-8367.16	0.0	3.556e+04	4539.67	36.03	1848.50	-7418.11	-
1.506e+05												
	-1.506e+05	-7418.11	1.34e-03	0.0	196.0	3.556e+04	356.09	36.03	1848.50	-		
355.643.292e+05												
					392.0	3.556e+04	-3827.49	36.03	1848.50	6706.83	-	
1.102e+04												
116	76	2.728e+05	7750.26	-0.16	-6953.24	0.0	3.232e+04	3852.57	40.01	1888.31	-7933.15	-
1.455e+05												
	-1.455e+05	-7933.15	1.27e-03	0.0	196.0	3.232e+04	375.95	40.01	1888.31	-		
91.452.689e+05												
					392.0	3.232e+04	-					
3100.67	40.01	1888.31	7750.26	1884.66								
116	77	1.884e+05	1983.73	-0.07	-3654.09	0.0	2.042e+04	2001.08	11.36	457.65	-2470.26	-
2.626e+04												
	-2.626e+04	-2470.26	5.63e-04	0.0	196.0	2.042e+04	174.03	11.36	457.65	-		
243.261.869e+05												
					392.0	2.042e+04	-					
1653.01	11.36	457.65	1983.73	4.196e+04								
116	78	2.704e+05	2714.92	-0.09	-6010.63	0.0	2.713e+04	3221.02	16.16	850.20	-3619.28	-
6.710e+04												
	-6.710e+04	-3619.28	8.43e-04	0.0	196.0	2.713e+04	215.71	16.16	850.20	-		
452.182.697e+05												
					392.0	2.713e+04	-					
2789.60	16.16	850.20	2714.92	1.745e+04								
116	80	2.167e+05	5683.16	-0.12	-5068.01	0.0	2.617e+04	2831.75	29.32	1298.93	-5809.48	-
9.342e+04												
	-9.342e+04	-5809.48	9.47e-04	0.0	196.0	2.617e+04	297.75	29.32	1298.93	-		
63.162.133e+05												
					392.0	2.617e+04	-					
2236.26	29.32	1298.93	5683.16	2.329e+04								
116	81	1.884e+05	1983.73	-0.07	-3654.09	0.0	2.042e+04	2001.08	11.36	457.65	-2470.26	-
2.626e+04												
	-2.626e+04	-2470.26	5.63e-04	0.0	196.0	2.042e+04	174.03	11.36	457.65	-		
243.261.869e+05												
					392.0	2.042e+04	-					
1653.01	11.36	457.65	1983.73	4.196e+04								
116	82	2.376e+05	2422.45	-0.08	-5068.01	0.0	2.445e+04	2733.05	14.24	693.18	-3159.67	-
5.076e+04												
	-5.076e+04	-3159.67	7.31e-04	0.0	196.0	2.445e+04	199.04	14.24	693.18	-		
368.612.366e+05												
					392.0	2.445e+04	-					
2334.97	14.24	693.18	2422.45	2.726e+04								
117	2	5.174e+05	1598.05	-0.22	-1.458e+04	0.0	5.046e+04	7468.67	8.13	1479.44	-1589.87	-
2.321e+05												
	-2.321e+05	-1589.87	-4.16e-									
04	0.0	196.0	5.046e+04	179.94	8.13	1479.44	4.09	5.174e+05				



1.616e+05						392.0	5.046e+04	-7108.78	8.13	1479.44	1598.05	-	
117	3	1.396e+05	336.78	-0.15	-3445.73	0.0	2.177e+04	1799.46	0.86	494.60	-0.80	-	
4.420e+04		-4.420e+04	-0.80	1.88e-									
04	0.0	196.0	2.177e+04	76.60	0.86	494.60	167.99	1.396e+05					
							392.0	2.177e+04	-1646.27	0.86	494.60	336.78	-
1.418e+04													
117	4	4.371e+05	1631.64	-0.20	-1.293e+04	0.0	4.283e+04	6610.71	8.41	1447.20	-1665.59	-	
2.248e+05													
		-2.248e+05	-1665.59	-4.16e-04		0.0	196.0	4.283e+04	143.77	8.41	1447.20	-	
16.974.371e+05													
							392.0	4.283e+04	-6323.16	8.41	1447.20	1631.64	-
1.684e+05													
117	21	2.670e+05	494.82	-0.04	-5551.72	0.0	2.362e+04	2790.33	-1.39	266.09	494.82	-	
7635.12													
		-7635.12	-50.90	-3.39e-04		0.0	196.0	2.362e+04	14.47	-			
1.39266.09221.962.670e+05													
							392.0	2.362e+04	-2761.39	-1.39	266.09	-50.90	-
2524.98													
117	24	2.506e+05	377.50	-0.09	-5551.72	0.0	2.439e+04	2984.20	2.85	275.17	-737.96	-	
6.345e+04													
		-6.345e+04	-737.96	2.59e-04		0.0	196.0	2.439e+04	208.34	2.85	275.17	-	
180.232.497e+05													
							392.0	2.439e+04	-				
2567.52	2.85	275.17	377.50	1.878e+04									
117	30	2.556e+05	2718.42	-0.05	-5551.72	0.0	2.278e+04	2864.94	16.90	2607.80	-3909.18	-	
3.347e+04													
		-3.347e+04	-3909.18	1.26e-03		0.0	196.0	2.278e+04	89.08	16.90	2607.80	-	
595.382.556e+05													
							392.0	2.278e+04	-				
2686.78	16.90	2607.80	2718.42	684.78									
117	31	2.610e+05	3666.04	-0.07	-5551.72	0.0	2.523e+04	2909.59	-15.45	-2066.55	3666.04	-	
3.762e+04													
		-3.762e+04	-2391.81	-1.33e-03		0.0	196.0	2.523e+04	133.73	-15.45	-		
2066.55	637.12	2.610e+05											
							392.0	2.523e+04	-2642.13	-15.45	-2066.55	-	
2391.811.557e+04													
117	38	2.553e+05	2631.64	-0.06	-5551.72	0.0	2.275e+04	2866.81	16.57	1989.99	-3863.86	-	
3.422e+04													
		-3.422e+04	-3863.86	1.08e-03		0.0	196.0	2.275e+04	90.95	16.57	1989.99	-	
616.112.553e+05													
							392.0	2.275e+04	-				
2684.91	16.57	1989.99	2631.64	836.96									
117	39	2.613e+05	3620.72	-0.07	-5551.72	0.0	2.525e+04	2907.73	-15.11	-1448.74	3620.72	-	
3.687e+04													
		-3.687e+04	-2305.04	-1.12e-03		0.0	196.0	2.525e+04	131.87	-15.11	-		
1448.74	657.84	2.613e+05											
							392.0	2.525e+04	-2644.00	-15.11	-1448.74	-	
2305.041.542e+04													
117	53	2.636e+05	369.62	-0.05	-5551.72	0.0	2.382e+04	2829.43	-1.06	210.70	369.62	-	
1.873e+04													
		-1.873e+04	-43.85	-2.56e-04		0.0	196.0	2.382e+04	53.57	-			
1.06210.70162.882.636e+05													
							392.0	2.382e+04	-2722.29	-1.06	210.70	-	
43.851889.75													
117	56	2.530e+05	370.46	-0.08	-5551.72	0.0	2.419e+04	2945.10	2.51	330.55	-612.76	-	
5.235e+04													
		-5.235e+04	-612.76	1.83e-04		0.0	196.0	2.419e+04	169.24	2.51	330.55	-	
121.152.530e+05													
							392.0	2.419e+04	-				
2606.62	2.51	330.55	370.46	1.436e+04									
117	62	2.562e+05	1962.06	-0.06	-5551.72	0.0	2.316e+04	2874.47	12.15	1911.87	-2799.80	-	
3.498e+04													
		-3.498e+04	-2799.80	8.90e-04		0.0	196.0	2.316e+04	98.61	12.15	1911.87	-	
418.872.562e+05													
							392.0	2.316e+04	-				
2677.25	12.15	1911.87	1962.06	3273.12									
117	63	2.605e+05	2556.67	-0.07	-5551.72	0.0	2.485e+04	2900.07	-10.69	-1370.61	2556.67	-	
3.611e+04													
		-3.611e+04	-1635.45	-9.53e-04		0.0	196.0	2.485e+04	124.21	-10.69	-		
1370.61	460.61	2.605e+05											
							392.0	2.485e+04	-2651.66	-10.69	-1370.61	-	
1635.451.298e+04													
117	70	2.560e+05	1900.41	-0.06	-5551.72	0.0	2.314e+04	2875.90	11.91	1471.84	-2768.09	-	
3.551e+04													
		-3.551e+04	-2768.09	7.60e-04		0.0	196.0	2.314e+04	100.04	11.91	1471.84	-	
433.842.560e+05													
							392.0	2.314e+04	-				
2675.82	11.91	1471.84	1900.41	3380.61									



117	71	2.607e+05	2524.96	-0.07	-5551.72	0.0	2.487e+04	2898.64	-10.45	-930.58	2524.96	-
3.558e+04		-3.558e+04	-1573.81	-8.05e-04	0.0	196.0	2.487e+04	122.78	-10.45	-		
930.58475.582.607e+05							392.0	2.487e+04	-2653.08	-10.45	-930.58	-
1573.811.287e+04												
117	73	1.633e+05	193.87	-0.12	-3654.09	0.0	2.139e+04	1911.43	0.32	359.28	69.96	-
3.228e+04												
04	0.0	196.0	2.139e+04	84.38	1.33e-0.32	359.28	131.92	1.633e+05				
							392.0	2.139e+04	-			
1742.67	0.32	359.28	193.87	791.62								
117	74	3.616e+05	1057.12	-0.15	-9979.52	0.0	3.542e+04	5118.92	5.35	994.35	-1039.90	-
1.527e+05												
04	0.0	196.0	3.542e+04	129.16	-2.77e-5.35	994.35	8.61	3.616e+05				
							392.0	3.542e+04	-4860.60	5.35	994.35	1057.12
1.021e+05												-
117	77	1.894e+05	173.67	-0.07	-3654.09	0.0	2.022e+04	1921.39	-0.49	154.55	173.67	-
8186.05												
		-8186.05	-18.46	-7.16e-05	0.0	196.0	2.022e+04	94.35	-			
0.49154.5577.61	1.894e+05											
							392.0	2.022e+04	-1732.70	-0.49	154.55	-
18.462.880e+04												
117	78	2.885e+05	413.16	-0.09	-6816.81	0.0	2.724e+04	3525.14	2.03	472.09	-381.25	-
6.839e+04												
04	0.0	196.0	2.724e+04	116.74	-1.41e-2.03	472.09	15.96	2.885e+05				
							392.0	2.724e+04	-3291.66	2.03	472.09	413.16
2.263e+04												-
117	80	2.228e+05	452.85	-0.13	-5551.72	0.0	2.560e+04	2873.68	1.83	549.80	-263.00	-
6.841e+04												
04	0.0	196.0	2.560e+04	97.81	-1.02e-1.83	549.80	94.92	2.228e+05				
							392.0	2.560e+04	-2678.05	1.83	549.80	452.85
3.006e+04												-
117	81	1.894e+05	173.67	-0.07	-3654.09	0.0	2.022e+04	1921.39	-0.49	154.55	173.67	-
8186.05												
		-8186.05	-18.46	-7.16e-05	0.0	196.0	2.022e+04	94.35	-			
0.49154.5577.61	1.894e+05											
							392.0	2.022e+04	-1732.70	-0.49	154.55	-
18.462.880e+04												
117	82	2.488e+05	240.52	-0.08	-5551.72	0.0	2.443e+04	2883.64	1.02	345.07	-159.28	-
4.431e+04												
05	0.0	196.0	2.443e+04	107.78	-8.78e-1.02	345.07	40.62	2.488e+05				
							392.0	2.443e+04	-2668.08	1.02	345.07	240.52
2056.67												-
118	2	5.623e+05	1015.28	-0.22	-1.700e+04	0.0	5.118e+04	8665.50	7.36			



	-5.187e+04	-4358.18	1.41e-03	0.0	196.0	2.537e+04	131.24	18.55	2397.86	-	
721.852.700e+05					392.0	2.537e+04	-				
2886.47	18.55	2397.86	2914.48	343.84							
118	33	2.643e+05	3171.72	-0.06	-6035.43	0.0	2.290e+04	3106.18	-13.47	-1658.68	3171.72
4.847e+04		-4.847e+04	-2108.98	-9.78e-04	0.0	196.0	2.290e+04	88.46	-13.47	-	
1658.68	531.37	2.643e+05				392.0	2.290e+04	-2929.26	-13.47	-1658.68	-2108.98
1.439e+04						392.0	2.290e+04	-2929.26	-13.47	-1658.68	-2108.98
118	36	2.703e+05	2827.70	-0.07	-6035.43	0.0	2.540e+04	3147.09	18.21	1780.05	-4312.86
5.112e+04		-5.112e+04	-4312.86	1.22e-03	0.0	196.0	2.540e+04	129.38	18.21	1780.05	-
742.582.703e+05						392.0	2.540e+04	-			
2888.34	18.21	1780.05	2827.70	191.67							
118	46	2.726e+05	566.52	-0.05	-6035.43	0.0	2.396e+04	3068.80	4.15	120.61	-1061.76
3.298e+04		-3.298e+04	-1061.76	3.29e-04	0.0	196.0	2.396e+04	51.08	4.15	120.61	-
247.622.726e+05						392.0	2.396e+04	-2966.63	4.15	120.61	566.52
1.334e+04						392.0	2.396e+04	-2966.63	4.15	120.61	566.52
118	47	2.620e+05	152.21	-0.08	-6035.43	0.0	2.433e+04	3184.47	0.59	0.76	-79.38
6.661e+04		-6.661e+04	-79.38	-2.05e-							
04	0.0	196.0	2.433e+04	166.75	0.59	0.76	36.41	2.620e+05			
							392.0	2.433e+04	-2850.96	0.59	0.76
861.13											
118	60	2.694e+05	2158.12	-0.07	-6035.43	0.0	2.499e+04	3139.43	13.79	1701.92	-3248.80
5.036e+04		-5.036e+04	-3248.80	1.04e-03	0.0	196.0	2.499e+04	121.72	13.79	1701.92	-
545.342.694e+05						392.0	2.499e+04	-2896.00	13.79	1701.92	2158.12
2244.50						392.0	2.499e+04	-2896.00	13.79	1701.92	2158.12
118	65	2.649e+05	2075.96	-0.06	-6035.43	0.0	2.329e+04	3115.27	-8.81	-1140.53	2075.96
4.976e+04		-4.976e+04	-1377.75	-6.60e-04	0.0	196.0	2.329e+04	97.55	-8.81	-	
1140.53	349.11	2.649e+05					392.0	2.329e+04	-2920.17	-8.81	-1140.53
1.185e+04											
118	68	2.696e+05	2096.47	-0.07	-6035.43	0.0	2.501e+04	3138.01	13.55	1261.89	-3217.10
4.983e+04		-4.983e+04	-3217.10	9.06e-04	0.0	196.0	2.501e+04	120.29	13.55	1261.89	-
560.312.696e+05						392.0	2.501e+04	-2897.43	13.55	1261.89	2096.47
2351.99						392.0	2.501e+04	-2897.43	13.55	1261.89	2096.47
118	73	1.633e+05	-69.96	-0.12	-3654.09	0.0	2.139e+04	1911.43	-0.32	-359.28	-69.96
3.228e+04		-3.228e+04	-193.87	-1.33e-04	0.0	196.0	2.139e+04	84.38	-0.32	-359.28	-
131.921.633e+05						392.0	2.139e+04	-1742.67	-0.32	-359.28	-
193.87791.62											
118	74	3.915e+05	685.10	-0.15	-1.159e+04	0.0	3.591e+04	5916.81	4.98	110.03	-



						392.0	2.457e+04	-2912.42	2.08	-13.76	282.15	-
1.728e+04												
119	2	5.634e+05	7916.69	-0.22	-1.700e+04	0.0	5.277e+04	8986.95	-39.74	-1111.17	7916.69	-
3.652e+05												
		-3.652e+05	-7659.56	-1.49e-03	0.0	196.0	5.277e+04	488.95	-39.74	-		
1111.17	128.56	5.634e+05										
						392.0	5.277e+04	-8009.05	-39.74	-1111.17	-7659.56	-
1.736e+05												
119	3	1.478e+05	6864.81	-0.14	-3445.73	0.0	2.290e+04	2059.95	-36.43	-1463.83	6864.81	-
9.303e+04												
		-9.303e+04	-7417.40	-9.38e-04	0.0	196.0	2.290e+04	337.09	-36.43	-1463.83	-	
276.291.419e+05												
						392.0	2.290e+04	-1385.77	-36.43	-1463.83	-	
7417.403.910e+04												
119	5	2.120e+05	9289.17	-0.19	-5089.30	0.0	3.171e+04	3001.88	-49.17	-1977.81	9289.17	-
1.343e+05												
		-1.343e+05	-9985.65	-1.28e-03	0.0	196.0	3.171e+04	457.22	-49.17	-1977.81	-	
348.242.047e+05												
						392.0	3.171e+04	-2087.43	-49.17	-1977.81	-	
9985.654.496e+04												
119	6	4.472e+05	9609.97	-0.23	-1.342e+04	0.0	4.728e+04	7239.16	-49.86	-1664.13	9609.97	-
3.166e+05												
		-3.166e+05	-9934.38	-1.52e-03	0.0	196.0	4.728e+04	527.17	-49.86	-1664.13	-	
162.214.445e+05												
						392.0	4.728e+04	-6184.82	-49.86	-1664.13	-9934.38	-
1.099e+05												
119	15	2.544e+05	2812.08	-0.09	-6035.43	0.0	2.403e+04	3304.27	-11.57	-164.10	2812.08	-
9.983e+04												
		-9.983e+04	-1722.33	-9.00e-04	0.0	196.0	2.403e+04	286.56	-11.57	-		
164.10544.872.520e+05												
						392.0	2.403e+04	-2731.16	-11.57	-164.10	-	
1722.331.231e+04												
119	33	2.515e+05	4583.64	-0.05	-6035.43	0.0	2.086e+04	3152.68	-18.53	-1950.70	4583.64	-
6.941e+04												
		-6.941e+04	-2679.51	-1.54e-03	0.0	196.0	2.086e+04	134.96	-18.53	-		
1950.70	952.06	2.515e+05										
						392.0	2.086e+04	-2882.76	-18.53	-1950.70	-2679.51	-
1.896e+04												
119	34	2.808e+05	1316.51	-0.06	-6035.43	0.0	2.719e+04	3124.48	7.34	1366.45	-1562.07	-
3.696e+04												
		-3.696e+04	-1562.07	3.51e-04	0.0	196.0	2.719e+04	106.77	7.34	1366.45	-	
122.782.808e+05												
						392.0	2.719e+04	-				
2910.95	7.34	1366.45	1316.51	7040.72								
119	36	2.762e+05	1112.77	-0.08	-6035.43	0.0	2.763e+04	3199.01	6.37	1655.19	-1386.94	-
5.625e+04												
		-5.625e+04	-1386.94	3.39e-04	0.0	196.0	2.763e+04	181.29	6.37	1655.19	-	
137.092.762e+05												
						392.0	2.763e+04	-				



7.927e+04	119	71	2.524e+05	3912.17	-0.06	-6035.43	0.0	2.211e+04	3203.96	-15.95	-1381.82	3912.17	-
1381.82	786.07	2.524e+05	-7.927e+04	-2340.03	-1.28e-03	0.0	196.0	2.211e+04	186.25	-15.95	-		
7363.54							392.0	2.211e+04	-2831.47	-15.95	-1381.82	-2340.03	-
6.891e+04	119	73	1.675e+05	5120.06	-0.11	-3654.09	0.0	2.214e+04	2099.79	-26.44	-1063.40	5120.06	-
62.191.636e+05			-6.891e+04	-5244.45	-7.79e-04	0.0	196.0	2.214e+04	272.74	-26.44	-1063.40	-	
5244.453.800e+04							392.0	2.214e+04	-1554.31	-26.44	-1063.40	-	
2.425e+05	119	74	3.920e+05	5425.59	-0.15	-1.159e+04	0.0	3.697e+04	6135.30	-27.10	-764.65	5425.59	-
764.65114.983.920e+05			-2.425e+05	-5195.62	-1.04e-03	0.0	196.0	3.697e+04	339.35	-27.10	-		
1.095e+05							392.0	3.697e+04	-5456.59	-27.10	-764.65	-5195.62	-
8.830e+04	119	75	1.580e+05	6324.52	-0.13	-3654.09	0.0	2.292e+04	2144.65	-33.29	-1338.74	6324.52	-
201.041.530e+05			-8.830e+04	-6726.59	-8.92e-04	0.0	196.0	2.292e+04	317.60	-33.29	-1338.74	-	
6726.593.620e+04							392.0	2.292e+04	-1509.44	-33.29	-1338.74	-	
2.098e+05	119	76	3.147e+05	6538.39	-0.16	-9210.55	0.0	3.330e+04	4969.51	-33.75	-1129.62	6538.39	-
77.013.129e+05			-2.098e+05	-6692.41	-1.06e-03	0.0	196.0	3.330e+04	364.24	-33.75	-1129.62	-	
6.705e+04							392.0	3.330e+04	-4241.04	-33.75	-1129.62	-6692.41	-
2.626e+04	119	77	1.884e+05	2470.26	-0.07	-3654.09	0.0	2.042e+04	2001.08	-11.36	-457.65	2470.26	-
457.65243.261.869e+05			-2.626e+04	-1983.73	-5.63e-04	0.0	196.0	2.042e+04	174.03	-11.36	-		
1983.734.196e+04							392.0	2.042e+04	-1653.01	-11.36	-457.65	-	
1.131e+05	119	78	3.011e+05	2623.02	-0.09	-7622.99	0.0	2.784e+04	4018.84	-11.69	-308.28	2623.02	-
308.28331.853.011e+05			-1.131e+05	-1959.32	-7.09e-04	0.0	196.0	2.784e+04	207.34	-11.69	-		
3.179e+04							392.0	2.784e+04	-3604.15	-11.69	-308.28	-1959.32	-
6.891e+04	119	79	1.675e+05	5120.06	-0.11	-3654.09	0.0	2.214e+04	2099.79	-26.44	-1063.40	5120.06	-
62.191.636e+05			-6.891e+04	-5244.45	-7.79e-04	0.0	196.0	2.214e+04	272.74	-26.44	-1063.40	-	
5244.453.800e+04							392.0	2.214e+04	-1554.31	-26.44	-1063.40	-	
1.210e+05	119	80	2.347e+05	5211.72	-0.13	-6035.43	0.0	2.659e+04	3310.44	-26.64	-973.78	5211.72	-
9.042.321e+05			-1.210e+05	-5229.80	-8.57e-04	0.0	196.0	2.659e+04	292.72	-26.64	-973.78	-	
6249.40							392.0	2.659e+04	-2724.99	-26.64	-973.78	-5229.80	-
2.626e+04	119	81	1.884e+05	2470.26	-0.07	-3654.09	0.0	2.042e+04	2001.08	-11.36	-457.65	2470.26	-
457.65243.261.869e+05			-2.626e+04	-1983.73	-5.63e-04	0.0	196.0	2.042e+04	174.03	-11.36	-		
1983.734.196e+04							392.0	2.042e+04	-1653.01	-11.3			



	-1.486e+05	-3775.84	-1.89e-03	0.0	192.6	2.369e+04	590.37	18.80	-603.75	-
154.572.123e+05					385.1	2.369e+04	-1897.73	18.80	-	
603.753466.709.415e+04										
120 36 2.110e+05	6612.94	-0.16	-4976.20	0.0	1.903e+04	2918.73	38.97	7059.53	-8401.87	-
1.202e+05										
-1.202e+05	-8401.87	7.34e-03	0.0	192.6	1.903e+04	430.63	38.97	7059.53	-	
894.472.041e+05					385.1	1.903e+04	-			
2057.47 38.97 7059.53	6612.94	4.930e+04								
120 37 2.389e+05	1323.21	-0.19	-4976.20	0.0	2.481e+04	3066.30	5.88	-4259.11	-933.33	-
1.221e+05										
-1.221e+05	-933.33	-6.40e-03	0.0	192.6	2.481e+04	578.20	5.88	-		
4259.11 194.94 2.266e+05					385.1	2.481e+04	-1909.91	5.88	-	
4259.111323.21 9.625e+04	6399.09	-0.16	-4976.20	0.0	1.855e+04	2888.10	37.97	7073.82	-8230.34	-
120 38 2.125e+05										
1.072e+05										
-1.072e+05	-8230.34	7.34e-03	0.0	192.6	1.855e+04	400.00	37.97	7073.82	-	
915.632.070e+05					385.1	1.855e+04	-			
2088.11 37.97 7073.82	6399.09	4.196e+04								
120 39 2.385e+05	1485.41	-0.19	-4976.20	0.0	2.533e+04	3099.38	6.62	-4372.82	-1057.78	-
1.363e+05										
-1.363e+05	-1057.78	-6.44e-03	0.0	192.6	2.533e+04	611.28	6.62	-		
4372.82 213.82 2.234e+05					385.1	2.533e+04	-1876.82	6.62	-	
4372.821485.41 1.040e+05	3578.76	-0.18	-4976.20	0.0	2.308e+04	3047.66	19.69	-17.44	-4005.84	-
120 51 2.268e+05										
1.382e+05										
-1.382e+05	-4005.84	-1.32e-03	0.0	192.6	2.308e+04	559.55	19.69	-17.44	-	
213.542.137e+05					385.1	2.308e+04	-1928.55	19.69	-	
17.443578.768.638e+04	5810.15	-0.17	-4976.20	0.0	1.984e+04	2938.88	34.02	5404.02	-7294.55	-
120 68 2.146e+05										
1.201e+05										
-1.201e+05	-7294.55	5.36e-03	0.0	192.6	1.984e+04	450.78	34.02	5404.02	-	
742.202.074e+05					385.1	1.984e+04	-			
2037.32 34.02 5404.02	5810.15	5.571e+04								
120 69 2.348e+05	2105.46	-0.19	-4976.20	0.0	2.402e+04	3047.12	10.73	-2643.78	-2021.96	-
1.227e+05										
-1.227e+05	-2021.96	-4.43e-03	0.0	192.6	2.402e+04	559.01	10.73	-		
2643.78 41.75 2.232e+05					385.1	2.402e+04	-1929.09	10.73	-	
2643.782105.46 9.004e+04	5681.91	-0.16	-4976.20	0.0	1.956e+04	2920.62	33.42	5412.82	-7191.95	-
120 70 2.156e+05										
1.123e+05										
-1.123e+05	-7191.95	5.36e-03	0.0	192.6	1.956e+04					



												385.1	2.494e+04	-												
2366.88	29.84	1916.01	5379.21	6.613e+04																						
120	80	2.014e+05	6239.25	-0.21	-4976.20	0.0	2.383e+04	3107.80	32.96	1681.36	-6454.03	-														
1.724e+05												-1.724e+05	-6454.03	1.09e-03	0.0	192.6	2.383e+04	619.70	32.96	1681.36	-					
107.391.865e+05																										
												385.1	2.383e+04	-												
1868.41	32.96	1681.36	6239.25	6.628e+04																						
120	81	1.737e+05	3318.15	-0.16	-3588.21	0.0	1.870e+04	2258.41	18.08	722.82	-3646.28	-														
9.999e+04												-9.999e+04	-3646.28	6.92e-04	0.0	192.6	1.870e+04	464.30	18.08	722.82	-					
164.071.622e+05																										
												385.1	1.870e+04	-												
1329.80	18.08	722.82	3318.15	7.883e+04																						
120	82	2.184e+05	4554.79	-0.19	-4976.20	0.0	2.244e+04	3024.15	25.14	1438.73	-5126.72	-														
1.352e+05												-1.352e+05	-5126.72	1.01e-03	0.0	192.6	2.244e+04	536.05	25.14	1438.73	-					
285.972.075e+05																										
												385.1	2.244e+04	-												
1952.05	25.14	1438.73	4554.79	7.121e+04																						
121	2	4.684e+05	1671.60	-0.41	-1.431e+04	0.0	4.620e+04	7923.52	8.50	3458.88	-1601.05	-														
3.761e+05												-3.761e+05	-1601.05	7.32e-	8.50	3458.88	35.27	4.607e+05	-6388.15	8.50	3458.88	1671.60	-			
04	0.0	192.6	4.620e+04	767.68	8.50	3458.88	385.1	4.620e+04	-6388.15	8.50	3458.88	1671.60	-													
8.044e+04												121	3	1.270e+05	1063.06	-0.20	-3383.66	0.0	1.969e+04	2083.26	-4.62	409.65	1063.06	-		
1.200e+05												-1.200e+05	-714.77	-2.18e-04	0.0	192.6	1.969e+04	391.43	-							
4.62409.65174.141.183e+05																										
												385.1	1.969e+04	-1300.40	-4.62	409.65	-									
714.773.079e+04												121	4	3.968e+05	1871.42	-0.36	-1.270e+04	0.0	3.928e+04	6984.04	9.74	3356.00	-1879.92	-		
3.425e+05												-3.425e+05	-1879.92	6.80e-04	0.0	192.6	3.928e+04	635.12	9.74	3356.00	-					
4.253.911e+05																										
												385.1	3.928e+04	-5713.80	9.74	3356.00	1871.42	-								
9.790e+04												121	24	2.292e+05	681.17	-0.18	-5451.04	0.0	2.229e+04	3163.90	4.10	2247.74	-892.67	-		
1.348e+05												-1.348e+05	-892.67	2.16e-03	0.0	192.6	2.229e+04	438.38	4.10	2247.74	-					
105.752.215e+05																										
												385.1	2.229e+04	-												
2287.14	4.10	2247.74	681.17	5.299e+04																						
121	37	2.350e+05	4606.34	-0.18	-5451.04	0.0	2.258e+04	3136.87	-20.43	-4320.18	4606.34	-														
1.091e+05												-1.091e+05	-3261.95	-6.44e-03	0.0	192.6	2.258e+04	411.34	-20.43	-						
4320.18												672.20	2.296e+05													
												385.1	2.258e+04	-2314.18	-20.43	-4320.18	-									
3261.954.338e+04												121	38	2.271e+05	3353.95	-0.17	-5451.04	0.0	2.055e+04	3105.35	20.15	6099.08	-4409.57	-		
1.105e+05												-1.105e+05														



121	71	2.336e+05	3430.52	-0.18	-5451.04	0.0	2.266e+04	3149.73	-15.20	-2889.98	3430.52	-
1.185e+05												
		-1.185e+05	-2426.89	-4.55e-03	0.0	192.6	2.266e+04	424.21	-15.20	-		
2889.98	501.82	2.272e+05										
						385.1	2.266e+04	-2301.32	-15.20	-2889.98	-	
2426.894	811e+04											
121	73	1.470e+05	969.90	-0.19	-3588.21	0.0	1.934e+04	2177.23	-4.24	363.37	969.90	-
1.071e+05												
		-1.071e+05	-663.86	-1.94e-04	0.0	192.6	1.934e+04	383.12	-			
4.24363	37153	0.21394e+05										
						385.1	1.934e+04	-1410.98	-4.24	363.37	-	
663.864	043e+04											
121	74	3.270e+05	1060.27	-0.29	-9797.66	0.0	3.241e+04	5444.42	5.33	2327.61	-992.08	-
2.555e+05												
		-2.555e+05	-992.08	5.00e-								
04	0.0	192.6	3.241e+04	545.59	5.33	2327.61	34.09	3.212e+05				
							385.1	3.241e+04	-4353.24	5.33	2327.61	1060.27
4.537e+04												-
121	77	1.691e+05	823.57	-0.16	-3588.21	0.0	1.827e+04	2158.67	-3.65	282.41	823.57	-
8.062e+04												
		-8.062e+04	-583.06	-1.59e-04	0.0	192.6	1.827e+04	364.56	-			
3.65282	41120	261.623e+05										
							385.1	1.827e+04	-1429.54	-3.65	282.41	-
583.065	978e+04											
121	78	2.589e+05	279.01	-0.21	-6692.94	0.0	2.480e+04	3792.26	1.13	1264.52	-157.42	-
1.548e+05												
		-1.548e+05	-157.42	3.08e-								
04	0.0	192.6	2.480e+04	445.79	1.13	1264.52	60.80	2.532e+05				
							385.1	2.480e+04	-			
2900.67	1.13	1264.52	279.01	1.688e+04								
121	79	1.470e+05	969.90	-0.19	-3588.21	0.0	1.934e+04	2177.23	-4.24	363.37	969.90	-
1.071e+05												
		-1.071e+05	-663.86	-1.94e-04	0.0	192.6	1.934e+04	383.12	-			
4.24363	37153	0.21394e+05										
							385.1	1.934e+04	-1410.98	-4.24	363.37	-
663.864	043e+04											
121	81	1.691e+05	823.57	-0.16	-3588.21	0.0	1.827e+04	2158.67	-3.65	282.41	823.57	-
8.062e+04												
		-8.062e+04	-583.06	-1.59e-04	0.0	192.6	1.827e+04	364.56	-			
3.65282	41120	261.623e+05										
							385.1	1.827e+04	-1429.54	-3.65	282.41	-
583.065	978e+04											
121	82	2.227e+05	234.98	-0.19	-5451.04	0.0	2.219e+04	3138.82	-0.78	871.68	234.98	-
1.251e+05												



765.352.382e+05	-1.228e+05	-5913.23	6.57e-03	0.0	192.6	2.274e+04	408.74	26.73	5331.28	-		
					385.1	2.274e+04	-					
2554.21	26.73	5331.28	4382.54	2.863e+04								
122	36	2.429e+05	4547.41	-0.19	-5925.88	0.0	2.322e+04	3393.61	27.59	5425.71	-6080.00	-
1.342e+05												
766.302.366e+05	-1.342e+05	-6080.00	6.61e-03	0.0	192.6	2.322e+04	430.67	27.59	5425.71	-		
					385.1	2.322e+04	-					
2532.27	27.59	5425.71	4547.41	3.694e+04								
122	47	2.378e+05	619.06	-0.18	-5925.88	0.0	2.221e+04	3385.24	3.40	-848.44	-693.93	-
1.408e+05												
37.432.314e+05	-1.408e+05	-693.93	-1.49e-03	0.0	192.6	2.221e+04	422.30	3.40	-848.44	-		
					385.1	2.221e+04	-2540.65	3.40	-			
848.44619.063.310e+04												
122	60	2.412e+05	3583.06	-0.18	-5925.88	0.0	2.279e+04	3385.54	21.54	4025.69	-4714.10	-
1.331e+05												
565.522.353e+05	-1.331e+05	-4714.10	4.80e-03	0.0	192.6	2.279e+04	422.60	21.54	4025.69	-		
					385.1	2.279e+04	-					
2540.34	21.54	4025.69	3583.06	3.312e+04								
122	65	2.364e+05	1760.09	-0.18	-5925.88	0.0	2.110e+04	3349.23	-7.77	-3563.35	1760.09	-
1.263e+05												
3563.35	263.33	2.318e+05	-1.263e+05	-1233.43	-4.89e-03	0.0	192.6	2.110e+04	386.29	-7.77	-	
1233.431.930e+04					385.1	2.110e+04	-2576.65	-7.77	-3563.35	-		
122	66	2.420e+05	3448.86	-0.18	-5925.88	0.0	2.255e+04	3371.52	21.00	3844.74	-4638.38	-
1.254e+05												
594.762.368e+05	-1.254e+05	-4638.38	4.65e-03	0.0	192.6	2.255e+04	408.58	21.00	3844.74	-		
					385.1	2.255e+04	-					
2554.36	21.00	3844.74	3448.86	2.847e+04								
122	68	2.417e+05	3547.48	-0.18	-5925.88	0.0	2.282e+04	3384.54	21.51	3901.09	-4737.41	-
1.322e+05												
594.962.359e+05	-1.322e+05	-4737.41	4.68e-03	0.0	192.6	2.282e+04	421.60	21.51	3901.09	-		
					385.1	2.282e+04	-					
2541.35	21.51	3901.09	3547.48	3.336e+04								
122	73	1.470e+05	663.86	-0.19	-3588.21	0.0	1.934e+04	2177.23	4.24	-363.37	-969.90	-
1.071e+05												
153.021.394e+05	-1.071e+05	-969.90	1.94e-04	0.0	192.6	1.934e+04	383.12	4.24	-363.37	-		
					385.1	1.934e+04	-1410.98	4.24	-			
363.37663.864.043e+04												
122	74	3.543e+05	2675.04	-0.29	-1.138e+04	0.0	3.295e+04	6227.13	15.68	1042.74	-3364.21	-
3.013e+05												
344.583.499e+05	-3.013e+05	-3364.21	6.76e-04	0.0	192.6	3.295e+04	536.89	15.68	1042.74	-		
					385.1	3.295e+04	-5153.34	15.68	1042.74	2675.04	-	
9.454e+04												
122	77	1.691e+05	583.06	-0.16	-3588.21	0.0	1.827e+04	2158.67	3.65	-282.41	-823.57	-
8.062e+04												
120.261.623e+05	-8.062e+04	-823.57	1.59e-04	0.0	192.6	1.827e+04	364.56	3.65	-282.41	-		
					385.1	1.827e+04	-1429.54	3.65	-			
282.41583.065.978e+04												
122	78	2.726e+05	1588.65	-0.21	-7484.34	0.0	2.507e+04	4183.61	9.37	420.65	-2020.73	-
1.777e+05												
216.042.676e+05	-1.777e+05	-2020.73	4.00e-04	0.0	192.6	2.507e+04	441.45	9.37	420.65	-		
					385.1	2.507e+04	-3300.72	9.37	420.65	1588.65	-	
7699.36												
122	81	1.691e+05	583.06	-0.16	-3588.21	0.0	1.827e+04	2158.67	3.65	-282.41	-823.57	-
8.062e+04												
120.261.623e+05	-8.062e+04	-823.57	1.59e-04	0.0	192.6	1.827e+04	364.56	3.65	-282.41	-		
					385.1	1.827e+04	-1429.54	3.65	-			
282.41583.065.978e+04												
122	82	2.309e+05	1186.41	-0.19	-5925.88	0.0	2.235e+04	3373.64	7.08	139.43	-1541.87	-
1.389e+05												
177.732.255e+05	-1.389e+05	-1541.87	3.03e-04	0.0	192.6	2.235e+04	410.69	7.08	139.43	-		
					385.1	2.235e+04	-					
2552.25	7.08	139.43	1186.41	1.929e+04								
123	2	5.220e+05	8882.26	-0.42	-1.669e+04	0.0	4.873e+04	9452.64	-45.19	2.71	8882.26	-
5.091e+05												
45.192.71181.25	-5.091e+05	-8519.76	-1.51e-03	0.0	192.6	4.873e+04	1109.70	-				



[illegible]



123	74	3.628e+05	6200.58	-0.29	-1.138e+04	0.0	3.413e+04	6470.73	-31.48	-52.25	6200.58	-
3.455e+05												
		-3.455e+05	-5923.67	-1.06e-03	0.0	192.6	3.413e+04	780.50	-31.48	-		
52.25138.463.526e+05												
						385.1	3.413e+04	-4909.74	-31.48	-52.25	-5923.67	-
4.495e+04												
123	76	2.908e+05	6435.81	-0.27	-9042.79	0.0	3.054e+04	5270.15	-33.36	-436.49	6435.81	-
2.999e+05												
		-2.999e+05	-6413.02	-1.01e-03	0.0	192.6	3.054e+04	748.75	-33.36	-		
436.4911.392.796e+05												
						385.1	3.054e+04	-3772.64	-33.36	-436.49	-6413.02	-
1.153e+04												
123	77	1.737e+05	3646.28	-0.16	-3588.21	0.0	1.870e+04	2258.41	-18.08	-722.82	3646.28	-
9.999e+04												
		-9.999e+04	-3318.15	-6.92e-04	0.0	192.6	1.870e+04	464.30	-18.08	-		
722.82164.071.622e+05												
						385.1	1.870e+04	-1329.80	-18.08	-722.82	-	
3318.157.883e+04												
123	78	2.762e+05	4259.78	-0.21	-7484.34	0.0	2.572e+04	4322.75	-20.87	-266.22	4259.78	-
2.042e+05												
		-2.042e+05	-3778.68	-8.37e-04	0.0	192.6	2.572e+04	580.58	-20.87	-		
266.22240.552.679e+05												
						385.1	2.572e+04	-3161.59	-20.87	-266.22	-	
3778.681.940e+04												
123	80	2.165e+05	5341.69	-0.22	-5925.88	0.0	2.430e+04	3580.65	-27.58	-691.48	5341.69	-
1.996e+05												
		-1.996e+05	-5278.93	-8.58e-04	0.0	192.6	2.430e+04	617.71	-27.58	-		
691.4831.382.046e+05												
						385.1	2.430e+04	-2345.23	-27.58	-691.48	-	
5278.933.825e+04												
123	81	1.737e+05	3646.28	-0.16	-3588.21	0.0	1.870e+04	2258.41	-18.08	-722.82	3646.28	-
9.999e+04												
		-9.999e+04	-3318.15	-6.92e-04	0.0	192.6	1.870e+04	464.30	-18.08	-		
722.82164.071.622e+05												
						385.1	1.870e+04	-1329.80	-18.08	-722.82	-	
3318.157.883e+04												
123	82	2.340e+05	4014.38	-0.19	-5925.88	0.0	2.291e+04	3497.01	-19.76	-448.86	4014.38	-
1.625e+05												
		-1.625e+05	-3594.46	-7.79e-04	0.0	192.6	2.291e+04	534.07	-19.76	-		
448.86209.962.256e+05												
						385.1	2.291e+04	-2428.87	-19.76	-448.86	-	
3594.464.317e+04												
124	2	3.569e+05	1.583e+04	-0.52	-1.150e+04	0.0	3.665e+04	8172.30	86.76	9067.38	-1.640e+0	



-2.843e+05													-8223.13	0.01	0.0	185.8	1.585e+04	1052.80	41.91	7928.23	-			
437.531.346e+05																371.5	1.585e+04	-						
1344.05													41.91	7928.23	7348.07	1.082e+05								
124													70	1.716e+05	7229.15	-0.24	-4793.71	0.0	1.551e+04	3413.32	41.47	8129.83	-8179.78	-
2.783e+05																								
													-2.783e+05	-8179.78	0.01	0.0	185.8	1.551e+04	1016.47	41.47	8129.83	-		
475.321.324e+05																								
																	371.5	1.551e+04	-					
1380.38													41.47	8129.83	7229.15	9.787e+04								
124													71	2.013e+05	3530.17	-0.26	-4793.71	0.0	1.907e+04	3733.40	17.36	-2648.78	-2917.57	-
3.391e+05																								
													-3.391e+05	-2917.57	-7.20e-03	0.0	185.8	1.907e+04	1336.54	17.36	-			
2648.78													306.30	1.325e+05										
																	371.5	1.907e+04	-1060.31	17.36	-			
2648.783530.17													1.589e+05											
124													72	1.754e+05	7340.07	-0.23	-4793.71	0.0	1.574e+04	3441.45	42.04	8239.24	-8282.30	-
2.837e+05																								
													-2.837e+05	-8282.30	0.01	0.0	185.8	1.574e+04	1044.60	42.04	8239.24	-		
471.111.337e+05																								
																	371.5	1.574e+04	-					
1352.25													42.04	8239.24	7340.07	1.058e+05								
124													73	1.409e+05	4245.52	-0.23	-3457.29	0.0	1.547e+04	2873.48	21.51	1457.96	-3746.59	-
3.025e+05																								
													-3.025e+05	-3746.59	1.20e-									
03													0.0	185.8	1.547e+04	1144.84	21.51	1457.96	249.46	7.071e+04				
																			371.5	1.547e+04	-			
583.8121.511457.964245.52													1.228e+05											
124													74	2.504e+05	1.083e+04	-0.37	-7912.02	0.0	2.571e+04	5665.15	59.28	6146.06	-1.119e+04	-
5.019e+05																								
													-5.019e+05	-1.119e+04	3.24e-03	0.0	185.8	2.571e+04	1709.14	59.28	6146.06	-		
178.561.830e+05																								
																	371.5	2.571e+04	-					
2246.87													59.28	6146.06	1.083e+04	1.330e+05								
124													77	1.498e+05	3627.91	-0.21	-3457.29	0.0	1.455e+04	2772.56	19.00	1367.12	-3430.48	-
2.632e+05																								
													-2.632e+05	-3430.48	1.08e-									
03													0.0	185.8	1.455e+04	1043.92	19.00	1367.12	98.72	9.128e+04				
																			371.5	1.455e+04	-			
684.7319.001367.123627.91													1.246e+05											
124													78	2.046e+05	6921.80	-0.28	-5684.65	0.0	1.967e+04	4168.39	37.88	3711.18	-7152.39	-
3.629e+05																								
													-3.629e+05	-7152.39	2.10e-03	0.0	185.8	1.967e+04	1326.07	37.88	3711.18	-		



												371.5	1.582e+04	-1785.37	-8.87	-951.07	-				
1419.841.018e+05																					
125	23	1.648e+05	2575.26	-0.25	-5250.90	0.0	1.691e+04	3608.65	-12.43	-363.31	2575.26	-									
2.707e+05																					
		-2.707e+05	-2042.61	-3.10e-03	0.0	185.8	1.691e+04	983.20	-12.43	-											
363.31266.331.375e+05																					
						371.5	1.691e+04	-1642.26	-12.43	-363.31	-										
2042.615.802e+04																					
125	31	1.797e+05	5119.92	-0.26	-5250.90	0.0	1.698e+04	3593.46	-24.95	-5200.91	5119.92	-									
2.696e+05																					
		-2.696e+05	-4150.07	-0.01	0.0	185.8	1.698e+04	968.01	-24.95	-											
5200.91 484.93 1.486e+05																					
						371.5	1.698e+04	-1657.44	-24.95	-5200.91	-										
4150.077.906e+04																					
125	38	1.850e+05	2649.36	-0.25	-5250.90	0.0	1.530e+04	3445.05	15.60	8506.55	-3147.12	-									
2.414e+05																					
		-2.414e+05	-3147.12	0.01	0.0	185.8	1.530e+04	819.60	15.60	8506.55	-										
248.881.601e+05																					
						371.5	1.530e+04	-													
1805.85 15.60 8506.55						2649.36	7.399e+04														
125	39	1.803e+05	5166.67	-0.26	-5250.90	0.0	1.702e+04	3596.56	-25.03	-5550.82	5166.67	-									
2.698e+05																					
		-2.698e+05	-4133.11	-0.01	0.0	185.8	1.702e+04	971.11	-25.03	-											
5550.82 516.78 1.490e+05																					
						371.5	1.702e+04	-1654.34	-25.03	-5550.82	-										
4133.118.004e+04																					
125	53	1.944e+05	1668.64	-0.26	-5250.90	0.0	1.598e+04	3490.68	-7.89	-212.83	1668.64	-									
2.509e+05																					
		-2.509e+05	-1260.75	-1.72e-03	0.0	185.8	1.598e+04	865.22	-7.89	-											
212.83203.941.644e+05																					
						371.5	1.598e+04	-1760.23	-7.89	-212.83	-										
1260.759.201e+04																					
125	63	1.812e+05	3904.46	-0.26	-5250.90	0.0	1.672e+04	3569.71	-18.94	-3284.96	3904.46	-									
2.651e+05																					
		-2.651e+05	-3134.66	-7.68e-03	0.0	185.8	1.672e+04	944.26	-18.94	-											
3284.96 384.90 1.509e+05																					
						371.5	1.672e+04	-1681.19	-18.94	-3284.96	-										
3134.667.924e+04																					
125	70	1.836e+05	1639.18	-0.25	-5250.90	0.0	1.557e+04	3469.69	9.57	6491.72	-1919.08	-									
2.460e+05																					
		-2.460e+05	-1919.08	9.51e-03	0.0	185.8	1.557e+04	844.24	9.57	6491.72	-										
139.951.579e+05																					
						371.5	1.557e+04	-													
1781.21 9.57 6491.72						1639.18	7.409e+04														
125	71	1.816e+05	3938.63	-0.26	-5250.90	0.0	1.675e+04	3571.92	-19.00	-3535.98	3938.63	-									
2.652e+05																					
		-2.652e+05	-3122.93	-7.97e-03	0.0	185.8	1.675e+04	946.47	-19.00	-											
3535.98 407.85 1.512e+05							</														



[illegible]



491.731.588e+05	-2.790e+05	-5734.07	8.53e-03	0.0	185.8	1.691e+04	947.37	28.22	5115.20	-
					371.5	1.691e+04	-			
1906.68	28.22	5115.20	4750.61	6.648e+04						
126	73	1.206e+05	1869.58	-0.23	-3457.29	0.0	1.383e+04	2593.71	11.19	-492.85
2.409e+05									-2286.58	-
	-2.409e+05	-2286.58	-5.11e-04	0.0	185.8	1.383e+04	865.07	11.19	-492.85	-
208.508.037e+04					371.5	1.383e+04	-863.58	11.19	-	
492.851869.588.051e+04										
126	74	2.818e+05	4952.34	-0.38	-1.096e+04	0.0	2.489e+04	6705.15	28.68	1375.70
4.798e+05									-5701.12	-
	-4.798e+05	-5701.12	9.83e-04	0.0	185.8	2.489e+04	1225.16	28.68	1375.70	-
374.392.567e+05					371.5	2.489e+04	-4254.83	28.68	1375.70	4952.34
2.469e+04										-
126	77	1.365e+05	1558.02	-0.21	-3457.29	0.0	1.322e+04	2537.36	9.35	-468.18
2.092e+05									-1915.72	-
	-2.092e+05	-1915.72	-4.50e-04	0.0	185.8	1.322e+04	808.72	9.35	-468.18	-
178.851.015e+05					371.5	1.322e+04	-919.93	9.35	-	
468.181558.029.122e+04										
126	78	2.147e+05	3099.40	-0.29	-7208.64	0.0	1.875e+04	4593.08	18.09	466.09
3.287e+05									-3622.98	-
	-3.287e+05	-3622.98	5.94e-04	0.0	185.8	1.875e+04	988.76	18.09	466.09	-
261.791.897e+05					371.5	1.875e+04	-			
2615.55	18.09	466.09	3099.40	3.862e+04						
126	81	1.365e+05	1558.02	-0.21	-3457.29	0.0	1.322e+04	2537.36	9.35	-468.18
2.092e+05									-1915.72	-
	-2.092e+05	-1915.72	-4.50e-04	0.0	185.8	1.322e+04	808.72	9.35	-468.18	-
178.851.015e+05					371.5	1.322e+04	-919.93	9.35	-	
468.181558.029.122e+04										
126	82	1.810e+05	2482.85	-0.26	-5708.10	0.0	1.654e+04	3770.80	14.60	92.38
2.809e+05									-2940.07	-
	-2.809e+05	-2940.07	4.60e-04	0.0	185.8	1.654e+04	916.75	14.60	92.38	-
228.611.544e+05					371.5	1.654e+04	-			
1937.30	14.60	92.38	2482.85	5.966e+04						
127	2	4.095e+05	8943.04	-0.55	-1.607e+04	0.0	3.896e+04	1.053e+04	-48.42	-1453.15
8.696e+05									8943.04	-
	-8.696e+05	-9045.09	-2.06e-03	0.0	185.8	3.896e+04	2495.50	-48.42	-1453.15	-
51.023.402e+05					371.5	3.896e+04	-5539.05	-48.42	-1453.15	-
9045.095.753e+04										
127	3	1.341e+05	3807.97	-0.23	-3260.35	0.0	1.577e+04	2826.88	-22.45	-1453.43
3.212e+05									3807.97	-
	-3.212e+05	-4530.55	-1.25e-03	0.0	185.8	1.577e+04	1196.71	-22.45	-1453.43	-
361.295.250e+04					371.5	1.577e+04	-433.46	-22.45	-1453.43	-
4530.551.234e+05										
127	27	1.853e+05	7850.62	-0.23	-5708.10	0.0	1.576e+04	3875.65	-39.51	-8524.15
3.049e+05									7850.62	-
	-3.049e+05	-6832.47	-0.01	0.0	185.8	1.576e+04	1021.60	-39.51	-	
8524.15	509.08	1.510e+05			371.5	1.576e+04	-1832.45	-39.51	-8524.15	-
6832.477.684e+04										
127	33	1.769e+05	7757.45	-0.24	-5708.10	0.0	1.522e+04	3815.71	-38.73	-8770.39
2.949e+05									7757.45	-
	-2.949e+05	-6633.36	-0.01	0.0	185.8	1.522e+04	961.66	-38.73	-	
8770.39	562.05	1.476e+05			371.5	1.522e+04	-1892.39	-38.73	-8770.39	-
6633.366.001e+04										
127	35	1.833e+05	7932.28	-0.23	-5708.10	0.0	1.560e+04	3864.20	-39.69	-8958.25
3.041e+05									7932.28	-
	-3.041e+05	-6820.74	-0.01	0.0	185.8	1.560e+04	1010.15	-39.69	-	
8958.25	555.77	1.498e+05			371.5	1.560e+04	-1843.90	-39.69	-8958.25	-
6820.747.344e+04										
127	36	2.143e+05	357.56	-0.27	-5708.10	0.0	2.029e+04	4274.11	-4.77	6335.03
3.819e+05									357.56	-
	-3.819e+05	-1411.34	0.01	0.0	185.8	2.029e+04	1420.06	-4.77	6335.03	-
526.891.481e+05					371.5	2.029e+04	-1433.99	-4.77	6335.03	-
1411.341.480e+05										
127	59	1.873e+05	6731.96	-0.24	-5708.10	0.0	1.631e+04	3921.21	-34.24	-6405.39
3.140e+05									6731.96	-
	-3.140e+05	-5990.76	-9.58e-03	0.0	185.8	1.631e+04	1067.16	-34.24	-	
6405.39	370.60	1.500e+05								



371.5 1.631e+04 -1786.89 -34.24 -6405.39 -											
5990.768.385e+04											
127	65	1.821e+05	6688.61	-0.24	-5708.10	0.0	1.597e+04	3884.87	-33.80	-6606.98	6688.61 -
3.080e+05											
-3.080e+05 -5871.83 -9.96e-03 0.0 185.8 1.597e+04 1030.82 -33.80 -											
6606.98 408.39 1.478e+05											
371.5 1.597e+04 -1823.23 -33.80 -6606.98 -											
5871.837.350e+04											
127	67	1.858e+05	6791.13	-0.24	-5708.10	0.0	1.620e+04	3913.00	-34.37	-6716.40	6791.13 -
3.134e+05											
-3.134e+05 -5982.76 -9.89e-03 0.0 185.8 1.620e+04 1058.95 -34.37 -											
6716.40 404.19 1.491e+05											
371.5 1.620e+04 -1795.10 -34.37 -6716.40 -											
5982.768.141e+04											
127	68	2.075e+05	1426.40	-0.27	-5708.10	0.0	1.953e+04	4204.95	-9.69	4171.63	1426.40 -
3.688e+05											
-3.688e+05 -2172.86 7.74e-03 0.0 185.8 1.953e+04 1350.90 -9.69 4171.63 -											
373.231.479e+05											
371.5 1.953e+04 -1503.15 -9.69 4171.63 -											
2172.861.345e+05											
127	73	1.409e+05	3746.59	-0.23	-3457.29	0.0	1.547e+04	2873.48	-21.51	-1457.96	3746.59 -
3.025e+05											
-3.025e+05 -4245.52 -1.20e-03 0.0 185.8 1.547e+04 1144.84 -21.51 -1457.96 -											
249.467.071e+04											
371.5 1.547e+04 -583.81 -21.51 -1457.96 -											
4245.521.228e+05											
127	74	2.852e+05	6219.85	-0.38	-1.096e+04	0.0	2.724e+04	7236.98	-33.72	-1069.90	6219.85 -
6.010e+05											
-6.010e+05 -6308.92 -1.46e-03 0.0 185.8 2.724e+04 1756.99 -33.72 -1069.90 -											
44.532.344e+05											
371.5 2.724e+04 -3723.00 -33.72 -1069.90 -											
6308.925.178e+04											
127	77	1.498e+05	3430.48	-0.21	-3457.29	0.0	1.455e+04	2772.56	-19.00	-1367.12	3430.48 -
2.632e+05											
-2.632e+05 -3627.91 -1.08e-03 0.0 185.8 1.455e+04 1043.92 -19.00 -1367.12 -											
98.729.128e+04											
371.5 1.455e+04 -684.73 -19.00 -1367.12 -											
3627.911.246e+05											
127	78	2.201e+05	4667.11	-0.29	-7208.64	0.0	2.044e+04	4954.31	-25.11	-1173.10	4667.11 -
4.124e+05											
-4.124e+05 -4659.61 -1.21e-03 0.0 185.8 2.044e+04 1349.99 -25.11 -											
1173.10 3.75 1.731e+05											
371.5 2.044e+04 -2254.33 -25.11 -1173.10 -											
4659.618.912e+04											
127	80	1.769e+05	4488.57	-0.27	-5708.10	0.0	1.900e+04	4182.53	-25.18	-1341.54	4488.57 -
3.920e+05											
-3.920e+05 -4864.54 -1.28e-03 0.0 185.8 1.900e+04 1328.48 -25.18 -1341.54 -											
187.981.198e+05											
371.5 1.900e+04 -1525.57 -25.18 -1341.54 -											
4864.541.015e+05											
127	81	1.498e+05	3430.48	-0.21	-3457.29	0.0	1.455e+04	2772.56	-19.00	-1367.12	3430.48 -
2.632e+05											
-2.632e+05 -3627.91 -1.08e-03 0.0 185.8 1.455e+04 1043.92 -19.00 -1367.12 -											
98.729.128e+04											
371.5 1.455e+04 -684.73 -19.00 -1367.12 -											
3627.911.246e+05											
127	82	1.886e+05	4172.46	-0.26	-5708.10	0.0	1.809e+04	4081.61	-22.66	-1250.71	4172.46 -
3.527e+05											
-3.527e+05 -4246.93 -1.16e-03 0.0 185.8 1.809e+04 1227.56 -22.66 -1250.71 -											
37.241.404e+05											
371.5 1.809e+04 -1626.49 -22.66 -1250.71 -											
4246.931.033e+05											
128	2	7700.34	1.199e+05	3.03e-04	-337.50	0.0	770.03	-			
92.841199.361.199e+04 0.0 7700.34											
-1.846e+04 0.0 -0.02 0.0 50.0 770.03 -261.59 1199.36 1.199e+04 5.997e+04 -											
1160.27											
100.0 770.03 -430.34 1199.36 1.199e+04 1.199e+05 -											
1.846e+04											
128	3	2135.31	6.142e+04	6.74e-05	-						
250.000.0193.34 31.78 614.19 6141.89 0.0 1933.41											
-7388.90 0.0 -6.88e-03 0.0 50.0 193.34 -											
93.22614.196141.893.071e+04 397.26											
100.0 193.34 -218.22 614.19 6141.89 6.142e+04 -											
7388.90											
128	7	2174.77	6.671e+04	6.97e-05	-						
250.000.0199.26 30.20 667.07 6670.66 0.0 1992.60											
-7487.54 0.0 -7.34e-03 0.0 50.0 199.26 -											
94.80667.076670.663.335e+04 377.53											
100.0 199.26 -219.80 667.07 6670.66 6.671e+04 -											
7487.54											



128	25	7204.52	1.899e+04	2.88e-04	-250.00	0.0	720.45	-					
108.78189.901898.96	0.0	7204.52											
	-1.617e+04	0.0	-0.01	0.0	50.0	720.45	-233.78	189.90	1898.96	9494.78	-		
1359.60													
						100.0	720.45	-358.78	189.90	1898.96	1.899e+04	-	
1.617e+04													
128	34	1963.89	9.362e+04	-1.63e-04	-250.00	0.0	-245.77	148.87	936.17	9361.67	0.0	-	
2457.70													
	-2457.70	0.0	-2.94e-03	0.0	50.0	-							
245.7723.87936.17	9361.67	4.681e+04	1860.82										
						100.0	-245.77	-101.13	936.17	9361.67	9.362e+04	-	
70.66													
128	35	8188.03	1.559e+04	3.31e-04	-250.00	0.0	818.80	-					
135.01155.941559.42	0.0	8188.03											
	-1.781e+04	0.0	-0.01	0.0	50.0	818.80	-260.01	155.94	1559.42	7797.10	-		
1687.40													
						100.0	818.80	-385.01	155.94	1559.42	1.559e+04	-	
1.781e+04													
128	36	1870.01	9.554e+04	-1.56e-04	-250.00	0.0	-227.53	144.01	955.44	9554.42	0.0	-	
2275.34													
	-2275.34	0.0	-3.00e-03	0.0	50.0	-							
227.5319.01955.44	9554.42	4.777e+04	1800.04										
						100.0	-227.53	-105.99	955.44	9554.42	9.554e+04	-	
374.59													
128	57	5932.55	2.957e+04	2.34e-04	-250.00	0.0	593.25	-					
74.86295.662956.57	0.0	5932.55											
	-1.405e+04	0.0	-9.69e-03	0.0	50.0	593.25	-199.86	295.66	2956.57	1.478e+04	-		
935.65													
						100.0	593.25	-324.86	295.66	2956.57	2.957e+04	-	
1.405e+04													
128	66	1400.59	8.231e+04	-1.08e-04	-250.00	0.0	-88.42	106.91	823.07	8230.72	0.0	-	
884.18													
	-2693.09	0.0	-4.06e-03	0.0	50.0	-88.42	-						
18.09823.078230.724.115e+04	1336.36												
						100.0	-88.42	-143.09	823.07	8230.72	8.231e+04	-	
2693.09													
128	67	6614.51	2.690e+04	2.63e-04	-250.00	0.0	661.45	-					
93.05269.042690.36	0.0	6614.51											
	-1.519e+04	0.0	-9.92e-03	0.0	50.0	661.45	-218.05	269.04	2690.36	1.345e+04	-		
1162.95													
						100.0	661.45	-343.05	269.04	2690.36	2.690e+04	-	
1.519e+04													
128	68	1382.28	8.344e+04	-1.05e-04	-250.00	0.0	-77.43	103.98	834.41	8344.09	0.0	-	
774.28													
	-2876.25	0.0	-4.10e-03	0.0	50.0	-77.43	-						
21.02834.418344.094.172e+04	1299.74												
						100.0	-77.43	-146.02	834.41	8344.09	8.344e+04	-	
2876.25													
128	73	2184.18	5.675e+04	7.02e-05	-								
250.000.0200.67	29.82	567.47	5674.67	0.0	2006.71								
	-7511.05	0.0	-6.56e-03	0.0	50.0	200.67	-						
95.18567.475674.672.837e+04	372.83												
						100.0	200.67	-220.18	567.47	5674.67	5.675e+04	-	
7511.05													
128	74	5257.61	8.440e+04	2.05e-04	-250.00	0.0	525.76	-					
56.87843.978439.65	0.0	5257.61											
	-1.293e+04	0.0	-0.01	0.0	50.0	525.76	-181.87	843.97	8439.65	4.220e+04	-		
710.69													
						100.0	525.76	-306.87	843.97	8439.65	8.440e+04	-	
1.293e+04													
128	75	2210.14	6.023e+04	7.17e-05	-								
250.000.0204.56	28.78	602.25	6022.55	0.0	2045.65								
	-7575.94	0.0	-6.86e-03	0.0	50.0	204.56	-						
96.22602.256022.553.011e+04	359.85												
						100.0	204.56	-221.22	602.25	6022.55	6.023e+04	-	
7575.94													
128	77	2127.07	4.909e+04	6.69e-05	-								
250.000.0192.10	32.11	490.93	4909.35	0.0	1921.04								
	-7368.28	0.0	-5.90e-03	0.0	50.0	192.10	-						
92.89490.934909.352.455e+04	401.38												
						100.0	192.10	-217.89	490.93	4909.35	4.909e+04	-	
7368.28													
128	78	3546.49	6.292e+04	1.32e-04	-250.00	0.0	354.65	-					
11.24629.186291.84	0.0	3546.49											
	-1.008e+04	0.0	-8.13e-03	0.0	50.0	354.65	-136.24	629.18	6291.84	3.146e+04	-		
140.38													
						100.0	354.65	-261.24	629.18	6291.84	6.292e+04	-	
1.008e+04													
128	79	2184.18	5.675e+04	7.02e-05	-								
250.000.0200.67	29.82	567.47	5674.67	0.0	2006.71								



95.18567.475674.672.837e+04	372.83	-7511.05	0.0	-6.56e-03	0.0	50.0	200.67	-					
7511.05						100.0	200.67	-220.18	567.47	5674.67	5.675e+04	-	
128	80	2981.98	6.504e+04	1.08e-04	-								
250.000.0298.20		3.82	650.42	6504.17	0.0	2981.98							
		-9136.43	0.0	-7.90e-03	0.0	50.0	298.20	-					
121.18650.426504.173.252e+04	47.77					100.0	298.20	-246.18	650.42	6504.17	6.504e+04	-	
9136.43													
128	81	2127.07	4.909e+04	6.69e-05	-								
250.000.0192.10		32.11	490.93	4909.35	0.0	1921.04							
		-7368.28	0.0	-5.90e-03	0.0	50.0	192.10	-					
92.89490.934909.352.455e+04	401.38					100.0	192.10	-217.89	490.93	4909.35	4.909e+04	-	
7368.28													
128	82	2896.31	5.739e+04	1.04e-04	-								
250.000.0289.63		6.10	573.88	5738.84	0.0	2896.31							
		-8993.66	0.0	-7.23e-03	0.0	50.0	289.63	-					
118.90573.885738.842.869e+04	76.33					100.0	289.63	-243.90	573.88	5738.84	5.739e+04	-	
8993.66													
129	1	-1.128e+04	0.0	-8.45e-03	-337.50	0.0	-1127.52	0.0	-363.76	-3637.65	0.0	-	
1.128e+04						50.0	-1127.52	-168.75	-363.76	-3637.65	-1.819e+04	-	
1.549e+04		-2.815e+04	-3.638e+04	2.08e-03	0.0	100.0	-1127.52	-337.50	-363.76	-3637.65	-3.638e+04	-	
2.815e+04													
129	2	-2.154e+04	0.0	-0.02	-337.50	0.0	-2153.60	0.0	-623.77	-6237.67	0.0	-	
2.154e+04						50.0	-2153.60	-168.75	-623.77	-6237.67	-3.119e+04	-	
2.575e+04		-3.841e+04	-6.238e+04	3.77e-03	0.0	100.0	-2153.60	-337.50	-623.77	-6237.67	-6.238e+04	-	
3.841e+04													
129	3	-8813.92	0.0	-5.44e-03	-250.00	0.0	-881.39	0.0	-273.13	-2731.28	0.0	-	
8813.92						50.0	-881.39	-125.00	-273.13	-2731.28	-1.366e+04	-	
1.194e+04		-2.131e+04	-2.731e+04	1.57e-03	0.0	100.0	-881.39	-250.00	-273.13	-2731.28	-2.731e+04	-	
2.131e+04													
129	27	-6010.47	0.0	-0.02	-250.00	0.0	-601.05	0.0	-429.21	-4292.10	0.0	-	
6010.47						50.0	-601.05	-125.00	-429.21	-4292.10	-2.146e+04	-	
9135.47		-1.851e+04	-4.292e+04	-2.37e-03	0.0	100.0	-601.05	-250.00	-429.21	-4292.10	-4.292e+04	-	
1.851e+04													
129	33	-5608.34	0.0	-0.02	-250.00	0.0	-560.83	0.0	-446.67	-4466.74	0.0	-	
5608.34						50.0	-560.83	-125.00	-446.67	-4466.74	-2.233e+04	-	
8733.34		-1.811e+04	-4.467e+04	-2.64e-03	0.0	100.0	-560.83	-250.00	-446.67	-4466.74	-4.467e+04	-	
1.811e+04													
129	35	-5866.13	0.0	-0.02	-250.00	0.0	-586.61	0.0	-458.24	-4582.39	0.0	-	
5866.13						50.0	-586.61	-125.00	-458.24	-4582.39	-2.291e+04	-	
8991.13		-1.837e+04	-4.582e+04	-2.61e-03	0.0	100.0	-586.61	-250.00	-458.24	-4582.39	-4.582e+04	-	
1.837e+04													
129	36	-1.086e+04	0.0	5.46e-03	-250.00	0.0	-1085.72	0.0	-131.04	-1310.41	0.0	-	
1.086e+04						50.0	-1085.72	-125.00	-131.04	-1310.41	-6552.06	-	
1.398e+04		-2.336e+04	-1.310e+04	6.09e-03	0.0	100.0	-1085.72	-250.00	-131.04	-1310.41	-1.310e+04	-	
2.336e+04													
129	59	-6635.37	0.0	-0.02	-250.00	0.0	-663.54	0.0	-387.45	-3874.53	0.0	-	
6635.37						50.0	-663.54	-125.00	-387.45	-3874.53	-1.937e+04	-	
9760.37		-1.914e+04	-3.875e+04	-1.19e-03	0.0	100.0	-663.54	-250.00	-387.45	-3874.53	-3.875e+04	-	
1.914e+04													
129	65	-6381.97	0.0	-0.02	-250.00	0.0	-638.20	0.0	-401.42	-4014.18	0.0	-	
6381.97						50.0	-638.20	-125.00	-401.42	-4014.18	-2.007e+04	-	
9506.97		-1.888e+04	-4.014e+04	-1.38e-03	0.0	100.0	-638.20	-250.00	-401.42	-4014.18	-4.014e+04	-	
1.888e+04													
129	67	-6532.05	0.0	-0.02	-250.00	0.0	-653.21	0.0	-408.26	-4082.61	0.0	-	
6532.05						50.0	-653.21	-125.00	-408.26	-4082.61	-2.041e+04	-	
9657.05		-1.903e+04	-4.083e+04	-1.36e-03	0.0								



1.903e+04						100.0	-653.21	-250.00	-408.26	-4082.61	-4.083e+04	-
129	68	-1.008e+04	0.0	2.04e-03	-250.00	0.0	-1008.36	0.0	-176.30	-1762.97	0.0	-
1.008e+04		-2.258e+04	-1.763e+04	4.84e-03	0.0	50.0	-1008.36	-125.00	-176.30	-1762.97	-8814.85	-
1.321e+04						100.0	-1008.36	-250.00	-176.30	-1762.97	-1.763e+04	-
2.258e+04						0.0	-805.80	0.0	-264.11	-2641.06	0.0	-
129	73	-8058.03	0.0	-6.02e-03	-250.00	0.0	-805.80	0.0	-264.11	-2641.06	-1.321e+04	-
8058.03		-2.056e+04	-2.641e+04	1.52e-03	0.0	50.0	-805.80	-125.00	-264.11	-2641.06	-2.641e+04	-
1.118e+04						100.0	-805.80	-250.00	-264.11	-2641.06	-2.641e+04	-
2.056e+04						0.0	-1489.86	0.0	-437.44	-4374.41	0.0	-
129	74	-1.490e+04	0.0	-0.02	-250.00	0.0	-1489.86	0.0	-437.44	-4374.41	-2.187e+04	-
1.490e+04		-2.740e+04	-4.374e+04	2.65e-03	0.0	50.0	-1489.86	-125.00	-437.44	-4374.41	-4.374e+04	-
1.802e+04						100.0	-1489.86	-250.00	-437.44	-4374.41	-4.374e+04	-
2.740e+04						0.0	-668.13	0.0	-244.12	-2441.24	0.0	-
129	77	-6681.25	0.0	-6.20e-03	-250.00	0.0	-668.13	0.0	-244.12	-2441.24	-1.221e+04	-
6681.25		-1.918e+04	-2.441e+04	1.42e-03	0.0	50.0	-668.13	-125.00	-244.12	-2441.24	-2.441e+04	-
9806.25						100.0	-668.13	-250.00	-244.12	-2441.24	-2.441e+04	-
1.918e+04						0.0	-1010.15	0.0	-330.79	-3307.91	0.0	-
129	78	-1.010e+04	0.0	-0.01	-250.00	0.0	-1010.15	0.0	-330.79	-3307.91	-1.654e+04	-
1.010e+04		-2.260e+04	-3.308e+04	1.99e-03	0.0	50.0	-1010.15	-125.00	-330.79	-3307.91	-3.308e+04	-
1.323e+04						100.0	-1010.15	-250.00	-330.79	-3307.91	-3.308e+04	-
2.260e+04						0.0	-1011.02	0.0	-316.11	-3161.07	0.0	-
129	80	-1.011e+04	0.0	-9.31e-03	-250.00	0.0	-1011.02	0.0	-316.11	-3161.07	-1.581e+04	-
1.011e+04		-2.261e+04	-3.161e+04	1.86e-03	0.0	50.0	-1011.02	-125.00	-316.11	-3161.07	-3.161e+04	-
1.324e+04						100.0	-1011.02	-250.00	-316.11	-3161.07	-3.161e+04	-
2.261e+04						0.0	-668.13	0.0	-244.12	-2441.24	0.0	-
129	81	-6681.25	0.0	-6.20e-03	-250.00	0.0	-668.13	0.0	-244.12	-2441.24	-1.221e+04	-
6681.25		-1.918e+04	-2.441e+04	1.42e-03	0.0	50.0	-668.13	-125.00	-244.12	-2441.24	-2.441e+04	-
9806.25						100.0	-668.13	-250.00	-244.12	-2441.24	-2.441e+04	-
1.918e+04						0.0	-873.34	0.0	-296.12	-2961.24	0.0	-
129	82	-8733.41	0.0	-9.49e-03	-250.00	0.0	-873.34	0.0	-296.12	-2961.24	-1.481e+04	-
8733.41		-2.123e+04	-2.961e+04	1.76e-03	0.0	50.0	-873.34	-125.00	-296.12	-2961.24	-2.961e+04	-
1.186e+04						100.0	-873.34	-250.00	-296.12	-2961.24	-2.961e+04	-
2.123e+04						0.0	-88.53	0.0	-125.95	-1259.47	0.0	-
130	1	-885.26	0.0	-0.02	-337.50	0.0	-88.53	0.0	-125.95	-1259.47	-6297.34	-
885.26		-1.776e+04	-1.259e+04	-5.48e-04	0.0	50.0	-88.53	-168.75	-125.95	-1259.47	-1.259e+04	-
5104.01						100.0	-88.53	-337.50	-125.95	-1259.47	-1.259e+04	-
1.776e+04						0.0	-336.29	0.0	-213.70	-2137.00	0.0	-
130	2	-3362.86	0.0	-0.04	-337.50	0.0	-336.29	0.0	-213.70	-2137.00	-1.069e+04	-
3362.86		-2.024e+04	-2.137e+04	-7.78e-04	0.0	50.0	-336.29	-168.75	-213.70	-2137.00	-2.137e+04	-
7581.61						100.0	-336.29	-337.50	-213.70	-2137.00	-2.137e+04	-
2.024e+04						0.0	-355.05	0.0	-186.56	-1865.63	0.0	-
130	4	-3550.49	0.0	-0.03	-250.00	0.0	-355.05	0.0	-186.56	-1865.63	-9328.14	-
3550.49		-1.605e+04	-1.866e+04	-6.77e-04	0.0	50.0	-355.05	-125.00	-186.56	-1865.63	-1.866e+04	-
6675.49						100.0	-355.05	-250.00	-186.56	-1865.63	-1.866e+04	-
1.605e+04						0.0	194.17	0.0	-402.13	-		-
130	33	1941.70	0.0	-0.04	-250.00	0.0	194.17	0.0	-402.13	-		-
4021.28	0.0	1941.70				50.0	194.17	-125.00	-402.13	-4021.28	-2.011e+04	-
1183.30		-1.056e+04	-4.021e+04	-3.01e-03	0.0	100.0	194.17	-250.00	-402.13	-4021.28	-4.021e+04	-
1.056e+04						0.0	-125.78	0.0	243.71	2437.08	0.0	-
130	34	-1257.79	2.437e+04	0.01	-250.00	0.0	-125.78	0.0	243.71	2437.08	1.219e+04	-
1257.79		-1.376e+04	0.0	2.41e-03	0.0	50.0	-125.78	-125.00	243.71	2437.08	2.437e+04	-
4382.79						100.0	-125.78	-250.00	243.71	2437.08	2.437e+04	-
1.376e+04												-



130	35	1746.55	0.0	-0.04	-250.00	0.0	174.65	0.0	-414.41	-		
4144.13	0.0	1746.55										
		-1.075e+04	-4.144e+04	-2.99e-03	0.0	50.0	174.65	-125.00	-414.41	-4144.13	-2.072e+04	-
1378.45												
						100.0	174.65	-250.00	-414.41	-4144.13	-4.144e+04	-
1.075e+04												
130	36	-1452.93	2.314e+04	0.01	-250.00	0.0	-145.29	0.0	231.42	2314.24	0.0	-
1452.93												
		-1.395e+04	0.0	2.42e-03	0.0	50.0	-145.29	-125.00	231.42	2314.24	1.157e+04	-
4577.93												
						100.0	-145.29	-250.00	231.42	2314.24	2.314e+04	-
1.395e+04												
130	65	1442.54	0.0	-0.04	-250.00	0.0	144.25	0.0	-310.57	-		
3105.69	0.0	1442.54										
		-1.106e+04	-3.106e+04	-2.23e-03	0.0	50.0	144.25	-125.00	-310.57	-3105.69	-1.553e+04	-
1682.46												
						100.0	144.25	-250.00	-310.57	-3105.69	-3.106e+04	-
1.106e+04												
130	66	-836.69	1.472e+04	5.01e-03	-250.00	0.0	-83.67	0.0	147.19	1471.89	0.0	-
836.69												
		-1.334e+04	0.0	1.63e-03	0.0	50.0	-83.67	-125.00	147.19	1471.89	7359.47	-
3961.69												
						100.0	-83.67	-250.00	147.19	1471.89	1.472e+04	-
1.334e+04												
130	67	1325.45	0.0	-0.04	-250.00	0.0	132.55	0.0	-317.89	-		
3178.94	0.0	1325.45										
		-1.117e+04	-3.179e+04	-2.22e-03	0.0	50.0	132.55	-125.00	-317.89	-3178.94	-1.589e+04	-
1799.55												
						100.0	132.55	-250.00	-317.89	-3178.94	-3.179e+04	-
1.117e+04												
130	68	-953.78	1.399e+04	4.78e-03	-250.00	0.0	-95.38	0.0	139.86	1398.64	0.0	-
953.78												
		-1.345e+04	0.0	1.64e-03	0.0	50.0	-95.38	-125.00	139.86	1398.64	6993.22	-
4078.78												
						100.0	-95.38	-250.00	139.86	1398.64	1.399e+04	-
1.345e+04												
130	73	-501.32	0.0	-0.01	-250.00	0.0	-50.13	0.0	-89.87	-898.69	0.0	-
501.32												
		-1.300e+04	-8986.93	-3.86e-04	0.0	50.0	-50.13	-125.00	-89.87	-898.69	-4493.46	-
3626.32												
						100.0	-50.13	-250.00	-89.87	-898.69	-8986.93	-
1.300e+04												
130	74	-2153.05	0.0	-0.03	-250.00	0.0	-215.31	0.0	-148.37	-1483.72	0.0	-
2153.05												
		-1.465e+04	-1.484e+04	-5.40e-04	0.0	50.0	-215.31	-125.00	-148.37	-1483.72	-7418.58	-
5278.05												
						100.0	-215.31	-250.00	-148.37	-1483.72	-1.484e+04	-
1.465e+04												
130	77	408.91	0.0	-0.01	-250.00	0.0	40.89	0.0	-73.69	-		
736.860.0408.91												
		-1.209e+04	-7368.62	-2.83e-04	0.0	50.0	40.89	-125.00	-73.69	-736.86	-3684.31	-
2716.09												
						100.0	40.89	-250.00	-73.69	-736.86	-7368.62	-
1.209e+04												
130	78	-416.96	0.0	-0.02	-250.00	0.0	-41.70	0.0	-102.94	-1029.37	0.0	-
416.96												
		-1.292e+04	-1.029e+04	-3.60e-04	0.0	50.0	-41.70	-125.00	-102.94	-1029.37	-5146.87	-
3541.96												
						100.0	-41.70	-250.00	-102.94	-1029.37	-1.029e+04	-
1.292e+04												
130	80	-996.84	0.0	-0.02	-250.00	0.0	-99.68	0.0	-107.42	-1074.20	0.0	-
996.84												
		-1.350e+04	-1.074e+04	-4.32e-04	0.0	50.0	-99.68	-125.00	-107.42	-1074.20	-5371.00	-
4121.84												
						100.0	-99.68	-250.00	-107.42	-1074.20	-1.074e+04	-
1.350e+04												
130	81	408.91	0.0	-0.01	-250.00	0.0	40.89	0.0	-73.69	-		
736.860.0408.91												
		-1.209e+04	-7368.62	-2.83e-04	0.0	50.0	40.89	-125.00	-73.69	-736.86	-3684.31	-
2716.09												
						100.0	40.89	-250.00	-73.69	-736.86	-7368.62	-
1.209e+04												
130	82	-86.61	0.0	-0.02	-250.00	0.0	-8.66	0.0	-91.24	-912.37	0.0	-
86.61												
		-1.259e+04	-9123.69	-3.30e-04	0.0	50.0	-8.66	-125.00	-91.24	-912.37	-4561.85	-
3211.61												
						100.0	-8.66	-250.00	-91.24	-912.37	-9123.69	-
1.259e+04												
131	2	-7145.04	0.0	-0.04	-337.50	0.0	-714.50	0.0	-197.38	-1973.81	0.0	-
7145.04												



1.136e+04		-2.402e+04	-1.974e+04	-1.94e-04	0.0	50.0	-714.50	-168.75	-197.38	-1973.81	-9869.05	-
						100.0	-714.50	-337.50	-197.38	-1973.81	-1.974e+04	-
2.402e+04 131 2903.40	3	-2903.40	0.0	-0.01	-250.00	0.0	-290.34	0.0	-136.62	-1366.17	0.0	-
		-1.540e+04	-1.366e+04	-1.70e-04	0.0	50.0	-290.34	-125.00	-136.62	-1366.17	-6830.85	-
6028.40						100.0	-290.34	-250.00	-136.62	-1366.17	-1.366e+04	-
1.540e+04 131 6818.00	6	-6818.00	0.0	-0.03	-337.50	0.0	-681.80	0.0	-217.12	-2171.22	0.0	-
		-2.369e+04	-2.171e+04	-2.49e-04	0.0	50.0	-681.80	-168.75	-217.12	-2171.22	-1.086e+04	-
1.104e+04						100.0	-681.80	-337.50	-217.12	-2171.22	-2.171e+04	-
2.369e+04 131 6552.70	8	-6552.70	0.0	-0.03	-250.00	0.0	-655.27	0.0	-201.60	-2015.96	0.0	-
		-1.905e+04	-2.016e+04	-2.54e-04	0.0	50.0	-655.27	-125.00	-201.60	-2015.96	-1.008e+04	-
9677.70						100.0	-655.27	-250.00	-201.60	-2015.96	-2.016e+04	-
1.905e+04 131 2867.25	26	-2867.25	2.234e+04	0.02	-250.00	0.0	-286.72	0.0	223.43	2234.28	0.0	-
		-1.537e+04	0.0	1.24e-03	0.0	50.0	-286.72	-125.00	223.43	2234.28	1.117e+04	-
5992.25						100.0	-286.72	-250.00	223.43	2234.28	2.234e+04	-
1.537e+04 131 3203.66	27 0.0	438.39 438.39	0.0	-0.05	-250.00	0.0	43.84	0.0	-320.37	-	-	-
		-1.206e+04	-3.204e+04	-1.22e-03	0.0	50.0	43.84	-125.00	-320.37	-3203.66	-1.602e+04	-
2686.61						100.0	43.84	-250.00	-320.37	-3203.66	-3.204e+04	-
1.206e+04 131 2560.72	33 0.0	716.25 716.25	0.0	-0.06	-250.00	0.0	71.62	0.0	-256.07	-	-	-
		-1.178e+04	-2.561e+04	-1.06e-03	0.0	50.0	71.62	-125.00	-256.07	-2560.72	-1.280e+04	-
2408.75						100.0	71.62	-250.00	-256.07	-2560.72	-2.561e+04	-
1.178e+04 131 3145.10	36	-3145.10	1.591e+04	0.02	-250.00	0.0	-314.51	0.0	159.13	1591.34	0.0	-
		-1.565e+04	0.0	1.08e-03	0.0	50.0	-314.51	-125.00	159.13	1591.34	7956.68	-
6270.10						100.0	-314.51	-250.00	159.13	1591.34	1.591e+04	-
1.565e+04 131 2402.76	58	-2402.76	1.411e+04	0.01	-250.00	0.0	-240.28	0.0	141.12	1411.22	0.0	-
		-1.490e+04	0.0	8.88e-04	0.0	50.0	-240.28	-125.00	141.12	1411.22	7056.12	-
5527.76						100.0	-240.28	-250.00	141.12	1411.22	1.411e+04	-
1.490e+04 131 26.10	59	-26.10	0.0	-0.04	-250.00	0.0	-2.61	0.0	-238.06	-2380.60	0.0	-
		-1.253e+04	-2.381e+04	-8.66e-04	0.0	50.0	-2.61	-125.00	-238.06	-2380.60	-1.190e+04	-
3151.10						100.0	-2.61	-250.00	-238.06	-2380.60	-2.381e+04	-
1.253e+04 131 1925.38	65 0.0	150.23 150.23	0.0	-0.04	-250.00	0.0	15.02	0.0	-192.54	-	-	-
		-1.235e+04	-1.925e+04	-7.53e-04	0.0	50.0	15.02	-125.00	-192.54	-1925.38	-9626.88	-
2974.77						100.0	15.02	-250.00	-192.54	-1925.38	-1.925e+04	-
1.235e+04 131 2579.09	68	-2579.09	9559.95	0.01	-250.00	0.0	-257.91	0.0	95.60	956.00	0.0	-
		-1.508e+04	0.0	7.75e-04	0.0	50.0	-257.91	-125.00	95.60	956.00	4779.98	-
5704.09						100.0	-257.91	-250.00	95.60	956.00	9559.95	-
1.508e+04 131 2128.09	73	-2128.09	0.0	-0.01	-250.00	0.0	-212.81	0.0	-105.17	-1051.69	0.0	-
		-1.463e+04	-1.052e+04	-1.09e-04	0.0	50.0	-212.81	-125.00	-105.17	-1051.69	-5258.46	-
5253.09						100.0	-212.81	-250.00	-105.17	-1051.69	-1.052e+04	-
1.463e+04 131 4778.99	74	-4778.99	0.0	-0.03	-250.00	0.0	-477.90	0.0	-135.33	-1353.28	0.0	-
		-1.728e+04	-1.353e+04	-1.28e-04	0.0	50.0	-477.90	-125.00	-135.33	-1353.28	-6766.39	-
7903.99												



1.728e+04						100.0	-477.90	-250.00	-135.33	-1353.28	-1.353e+04	-
131	76	-4553.36	0.0	-0.02	-250.00	0.0	-455.34	0.0	-148.20	-1481.96	0.0	-
4553.36		-1.705e+04	-1.482e+04	-1.64e-04	0.0	50.0	-455.34	-125.00	-148.20	-1481.96	-7409.81	-
7678.36						100.0	-455.34	-250.00	-148.20	-1481.96	-1.482e+04	-
1.705e+04						100.0	-455.34	-250.00	-148.20	-1481.96	-1.482e+04	-
131	77	-874.87	0.0	-0.01	-250.00	0.0	-87.49	0.0	-56.95	-569.54	0.0	-
874.87		-1.337e+04	-5695.42	3.87e-05	0.0	50.0	-87.49	-125.00	-56.95	-569.54	-2847.71	-
3999.87						100.0	-87.49	-250.00	-56.95	-569.54	-5695.42	-
1.337e+04						100.0	-87.49	-250.00	-56.95	-569.54	-5695.42	-
131	80	-2923.36	0.0	-0.02	-250.00	0.0	-292.34	0.0	-114.22	-1142.17	0.0	-
2923.36		-1.542e+04	-1.142e+04	-1.14e-04	0.0	50.0	-292.34	-125.00	-114.22	-1142.17	-5710.84	-
6048.36						100.0	-292.34	-250.00	-114.22	-1142.17	-1.142e+04	-
1.542e+04						100.0	-292.34	-250.00	-114.22	-1142.17	-1.142e+04	-
131	81	-874.87	0.0	-0.01	-250.00	0.0	-87.49	0.0	-56.95	-569.54	0.0	-
874.87		-1.337e+04	-5695.42	3.87e-05	0.0	50.0	-87.49	-125.00	-56.95	-569.54	-2847.71	-
3999.87						100.0	-87.49	-250.00	-56.95	-569.54	-5695.42	-
1.337e+04						100.0	-87.49	-250.00	-56.95	-569.54	-5695.42	-
131	82	-1670.14	0.0	-0.02	-250.00	0.0	-167.01	0.0	-66.00	-660.02	0.0	-
1670.14		-1.417e+04	-6600.18	4.32e-05	0.0	50.0	-167.01	-125.00	-66.00	-660.02	-3300.09	-
4795.14						100.0	-167.01	-250.00	-66.00	-660.02	-6600.18	-
1.417e+04						100.0	-167.01	-250.00	-66.00	-660.02	-6600.18	-
132	3	-3172.85	0.0	-0.02	-250.00	0.0	-317.29	0.0	-189.82	-1898.20	0.0	-
3172.85		-1.567e+04	-1.898e+04	-6.73e-04	0.0	50.0	-317.29	-125.00	-189.82	-1898.20	-9491.01	-
6297.85						100.0	-317.29	-250.00	-189.82	-1898.20	-1.898e+04	-
1.567e+04						100.0	-317.29	-250.00	-189.82	-1898.20	-1.898e+04	-
132	4	-6415.67	0.0	-0.04	-250.00	0.0	-641.57	0.0	-190.15	-1901.54	0.0	-
6415.67		-1.892e+04	-1.902e+04	-8.35e-04	0.0	50.0	-641.57	-125.00	-190.15	-1901.54	-9507.71	-
9540.67						100.0	-641.57	-250.00	-190.15	-1901.54	-1.902e+04	-
1.892e+04						100.0	-641.57	-250.00	-190.15	-1901.54	-1.902e+04	-
132	6	-6637.17	0.0	-0.04	-337.50	0.0	-663.72	0.0	-254.45	-2544.49	0.0	-
6637.17		-2.351e+04	-2.544e+04	-1.01e-03	0.0	50.0	-663.72	-168.75	-254.45	-2544.49	-1.272e+04	-
1.086e+04						100.0	-663.72	-337.50	-254.45	-2544.49	-2.544e+04	-
2.351e+04						100.0	-663.72	-337.50	-254.45	-2544.49	-2.544e+04	-
132	33	1106.48	7666.31	-0.06	-	1106.48						
250.000.01	110.65	0.0	76.66	766.63	0.0	1106.48						
2018.52		-1.139e+04	0.0	6.62e-04	0.0	50.0	110.65	-125.00	76.66	766.63	3833.16	-
						100.0	110.65	-250.00	76.66	766.63	7666.31	-
1.139e+04						100.0	110.65	-250.00	76.66	766.63	7666.31	-
132	36	-2009.08	0.0	0.03	-250.00	0.0	-200.91	0.0	-79.08	-790.80	0.0	-
2009.08		-1.451e+04	-7908.04	-7.21e-04	0.0	50.0	-200.91	-125.00	-79.08	-790.80	-3954.02	-
5134.08						100.0	-200.91	-250.00	-79.08	-790.80	-7908.04	-
1.451e+04						100.0	-200.91	-250.00	-79.08	-790.80	-7908.04	-
132	65	648.61	5255.91	-0.05	-	648.61						
250.000.0	64.86	0.0	52.56	525.59	0.0	648.61						
2476.39		-1.185e+04	0.0	4.63e-04	0.0	50.0	64.86	-125.00	52.56	525.59	2627.96	-
						100.0	64.86	-250.00	52.56	525.59	5255.91	-
1.185e+04						100.0	64.86	-250.00	52.56	525.59	5255.91	-
132	68	-1551.20	0.0	0.01	-250.00	0.0	-155.12	0.0	-54.98	-549.76	0.0	-
1551.20		-1.405e+04	-5497.64	-5.22e-04	0.0	50.0	-155.12	-125.00	-54.98	-549.76	-2748.82	-
4676.20						100.0	-155.12	-250.00	-54.98	-549.76	-5497.64	-
1.405e+04						100.0	-155.12	-250.00	-54.98	-549.76	-5497.64	-
132	73	-2097.96	0.0	-0.02	-250.00	0.0	-209.80	0.0	-127.48	-1274.82	0.0	-
2097.96		-1.460e+04	-1.275e+04	-4.50e-04	0.0	50.0	-209.80	-125.00	-127.48	-1274.82	-6374.12	-
5222.96						100.0	-209.80	-250.00	-127.48	-1274.82	-1.275e+04	-
1.460e+04						100.0	-209.80	-250.00	-127.48	-1274.82	-1.275e+04	-



132	74	-4259.84	0.0	-0.03	-250.00	0.0	-425.98	0.0	-127.71	-1277.05	0.0	-
4259.84		-1.676e+04	-1.277e+04	-5.58e-04	0.0	50.0	-425.98	-125.00	-127.71	-1277.05	-6385.26	-
7384.84						100.0	-425.98	-250.00	-127.71	-1277.05	-1.277e+04	-
1.676e+04												
132	76	-4376.35	0.0	-0.03	-250.00	0.0	-437.63	0.0	-169.75	-1697.52	0.0	-
4376.35		-1.688e+04	-1.698e+04	-6.76e-04	0.0	50.0	-437.63	-125.00	-169.75	-1697.52	-8487.59	-
7501.35						100.0	-437.63	-250.00	-169.75	-1697.52	-1.698e+04	-
1.688e+04												
132	77	-414.79	0.0	-0.01	-250.00	0.0	-41.48	0.0	-34.83	-348.33	0.0	-
414.79		-1.291e+04	-3483.26	-1.18e-04	0.0	50.0	-41.48	-125.00	-34.83	-348.33	-1741.63	-
3539.79						100.0	-41.48	-250.00	-34.83	-348.33	-3483.26	-
1.291e+04												
132	78	-1495.73	0.0	-0.02	-250.00	0.0	-149.57	0.0	-34.94	-349.44	0.0	-
1495.73		-1.400e+04	-3494.40	-1.72e-04	0.0	50.0	-149.57	-125.00	-34.94	-349.44	-1747.20	-
4620.73						100.0	-149.57	-250.00	-34.94	-349.44	-3494.40	-
1.400e+04												
132	80	-2746.52	0.0	-0.02	-250.00	0.0	-274.65	0.0	-127.55	-1275.49	0.0	-
2746.52		-1.525e+04	-1.275e+04	-4.82e-04	0.0	50.0	-274.65	-125.00	-127.55	-1275.49	-6377.46	-
5871.52						100.0	-274.65	-250.00	-127.55	-1275.49	-1.275e+04	-
1.525e+04												
132	81	-414.79	0.0	-0.01	-250.00	0.0	-41.48	0.0	-34.83	-348.33	0.0	-
414.79		-1.291e+04	-3483.26	-1.18e-04	0.0	50.0	-41.48	-125.00	-34.83	-348.33	-1741.63	-
3539.79						100.0	-41.48	-250.00	-34.83	-348.33	-3483.26	-
1.291e+04												
132	82	-1063.36	0.0	-0.02	-250.00	0.0	-106.34	0.0	-34.90	-348.99	0.0	-
1063.36		-1.356e+04	-3489.95	-1.50e-04	0.0	50.0	-106.34	-125.00	-34.90	-348.99	-1744.97	-
4188.36						100.0	-106.34	-250.00	-34.90	-348.99	-3489.95	-
1.356e+04												
133	2	-7407.21	0.0	-0.05	-337.50	0.0	-740.72	0.0	-216.63	-2166.34	0.0	-
7407.21		-2.428e+04	-2.166e+04	-2.00e-03	0.0	50.0	-740.72	-168.75	-216.63	-2166.34	-1.083e+04	-
1.163e+04						100.0	-740.72	-337.50	-216.63	-2166.34	-2.166e+04	-
2.428e+04												
133	3	-3484.05	0.0	-0.03	-250.00	0.0	-348.40	0.0	-250.75	-2507.48	0.0	-
3484.05		-1.598e+04	-2.507e+04	-1.47e-03	0.0	50.0	-348.40	-125.00	-250.75	-2507.48	-1.254e+04	-
6609.05						100.0	-348.40	-250.00	-250.75	-2507.48	-2.507e+04	-
1.598e+04												
133	4	-7158.76	0.0	-0.05	-250.00	0.0	-715.88	0.0	-229.41	-2294.12	0.0	-
7158.76		-1.966e+04	-2.294e+04	-1.93e-03	0.0	50.0	-715.88	-125.00	-229.41	-2294.12	-1.147e+04	-
1.028e+04						100.0	-715.88	-250.00	-229.41	-2294.12	-2.294e+04	-
1.966e+04												
133	7	-4560.93	0.0	-0.04	-250.00	0.0	-456.09	0.0	-347.11	-3471.05	0.0	-
4560.93		-1.706e+04	-3.471e+04	-1.90e-03	0.0	50.0	-456.09	-125.00	-347.11	-3471.05	-1.736e+04	-
7685.93						100.0	-456.09	-250.00	-347.11	-3471.05	-3.471e+04	-
1.706e+04												
133	25	-24.74	2.593e+04	-0.06	-250.00	0.0	-2.47	0.0	259.32	2593.18	0.0	-
24.74		-1.252e+04	0.0	1.57e-03	0.0	50.0	-2.47	-125.00	259.32	2593.18	1.297e+04	-
3149.74						100.0	-2.47	-250.00	259.32	2593.18	2.593e+04	-
1.252e+04												
133	28	-2198.54	0.0	0.02	-250.00	0.0	-219.85	0.0	-183.19	-1831.91	0.0	-
2198.54		-1.470e+04	-1.832e+04	-2.15e-03	0.0	50.0	-219.85	-125.00	-183.19	-1831.91	-9159.54	-
5323.54						100.0	-219.85	-250.00	-183.19	-1831.91	-1.832e+04	-
1.470e+04												
133	33	-56.31	3.142e+04	-0.05	-250.00	0.0	-5.63	0.0	314.23	3142.30	0.0	-
56.31												



3181.31		-1.256e+04	0.0	1.77e-03	0.0	50.0	-5.63	-125.00	314.23	3142.30	1.571e+04	-
						100.0	-5.63	-250.00	314.23	3142.30	3.142e+04	-
1.256e+04												
133	36	-2166.97	0.0	0.02	-250.00	0.0	-216.70	0.0	-238.10	-2381.03	0.0	-
2166.97		-1.467e+04	-2.381e+04	-2.34e-03	0.0	50.0	-216.70	-125.00	-238.10	-2381.03	-1.191e+04	-
5291.97												
						100.0	-216.70	-250.00	-238.10	-2381.03	-2.381e+04	-
1.467e+04												
133	57	-350.10	1.904e+04	-0.04	-250.00	0.0	-35.01	0.0	190.43	1904.31	0.0	-
350.10		-1.285e+04	0.0	1.04e-03	0.0	50.0	-35.01	-125.00	190.43	1904.31	9521.55	-
3475.10						100.0	-35.01	-250.00	190.43	1904.31	1.904e+04	-
1.285e+04												
133	60	-1873.18	0.0	0.01	-250.00	0.0	-187.32	0.0	-114.30	-1143.04	0.0	-
1873.18		-1.437e+04	-1.143e+04	-1.61e-03	0.0	50.0	-187.32	-125.00	-114.30	-1143.04	-5715.19	-
4998.17						100.0	-187.32	-250.00	-114.30	-1143.04	-1.143e+04	-
1.437e+04												
133	65	-372.51	2.305e+04	-0.04	-250.00	0.0	-37.25	0.0	230.50	2304.98	0.0	-
372.51		-1.287e+04	0.0	1.18e-03	0.0	50.0	-37.25	-125.00	230.50	2304.98	1.152e+04	-
3497.51						100.0	-37.25	-250.00	230.50	2304.98	2.305e+04	-
1.287e+04												
133	68	-1850.77	0.0	9.14e-03	-250.00	0.0	-185.08	0.0	-154.37	-1543.71	0.0	-
1850.77		-1.435e+04	-1.544e+04	-1.75e-03	0.0	50.0	-185.08	-125.00	-154.37	-1543.71	-7718.56	-
4975.77						100.0	-185.08	-250.00	-154.37	-1543.71	-1.544e+04	-
1.435e+04												
133	73	-2502.13	0.0	-0.02	-250.00	0.0	-250.21	0.0	-156.38	-1563.83	0.0	-
2502.13		-1.500e+04	-1.564e+04	-1.05e-03	0.0	50.0	-250.21	-125.00	-156.38	-1563.83	-7819.16	-
5627.13						100.0	-250.21	-250.00	-156.38	-1563.83	-1.564e+04	-
1.500e+04												
133	74	-4951.94	0.0	-0.04	-250.00	0.0	-495.19	0.0	-142.16	-1421.59	0.0	-
4951.94		-1.745e+04	-1.422e+04	-1.36e-03	0.0	50.0	-495.19	-125.00	-142.16	-1421.59	-7107.97	-
8076.94						100.0	-495.19	-250.00	-142.16	-1421.59	-1.422e+04	-
1.745e+04												
133	75	-3210.61	0.0	-0.03	-250.00	0.0	-321.06	0.0	-219.78	-2197.76	0.0	-
3210.61		-1.571e+04	-2.198e+04	-1.33e-03	0.0	50.0	-321.06	-125.00	-219.78	-2197.76	-1.099e+04	-
6335.61						100.0	-321.06	-250.00	-219.78	-2197.76	-2.198e+04	-
1.571e+04												
133	77	-943.48	0.0	-0.02	-250.00	0.0	-94.35	0.0	-16.92	-169.18	0.0	-
943.48		-1.344e+04	-1691.82	-4.22e-04	0.0	50.0	-94.35	-125.00	-16.92	-169.18	-845.91	-
4068.48						100.0	-94.35	-250.00	-16.92	-169.18	-1691.82	-
1.344e+04												
133	78	-2168.38	0.0	-0.02	-250.00	0.0	-216.84	0.0	-9.81	-98.06	0.0	-
2168.38		-1.467e+04	-980.63	-5.76e-04	0.0	50.0	-216.84	-125.00	-9.81	-98.06	-490.31	-
5293.38						100.0	-216.84	-250.00	-9.81	-98.06	-980.63	-
1.467e+04												
133	79	-2502.13	0.0	-0.02	-250.00	0.0	-250.21	0.0	-156.38	-1563.83	0.0	-
2502.13		-1.500e+04	-1.564e+04	-1.05e-03	0.0	50.0	-250.21	-125.00	-156.38	-1563.83	-7819.16	-
5627.13						100.0	-250.21	-250.00	-156.38	-1563.83	-1.564e+04	-
1.500e+04												
133	80	-3237.07	0.0	-0.03	-250.00	0.0	-323.71	0.0	-152.12	-1521.16	0.0	-
3237.07		-1.574e+04	-1.521e+04	-1.14e-03	0.0	50.0	-323.71	-125.00	-152.12	-1521.16	-7605.81	-
6362.07						100.0	-323.71	-250.00	-152.12	-1521.16	-1.521e+04	-
1.574e+04												
133	81	-943.48	0.0	-0.02	-250.00	0.0	-94.35	0.0	-16.92	-169.18	0.0	-
943.48		-1.344e+04	-1691.82	-4.22e-04	0.0	50.0	-94.35	-125.00	-16.92	-169.18	-845.91	-
4068.48												



[illegible]



134	74	356.49	4.923e+04	-0.07	-								
250.000.0	35.65	0.0	492.25	4922.52	0.0	356.49							
		-1.214e+04	0.0	-1.03e-03	0.0	50.0	35.65	-125.00	492.25	4922.52	2.461e+04	-	
2768.51													
						100.0	35.65	-250.00	492.25	4922.52	4.923e+04	-	
1.214e+04													
134	75	2697.17	3.913e+04	-0.07	-								
250.000.0	269.72	0.0	391.29	3912.90	0.0	2697.17							
		-9802.83	0.0	-1.16e-03	0.0	50.0	269.72	-125.00	391.29	3912.90	1.956e+04	-	
427.83													
						100.0	269.72	-250.00	391.29	3912.90	3.913e+04	-	
9802.83													
134	76	1482.99	5.086e+04	-0.08	-								
250.000.0	148.30	0.0	508.60	5086.03	0.0	1482.99							
		-1.102e+04	0.0	-1.26e-03	0.0	50.0	148.30	-125.00	508.60	5086.03	2.543e+04	-	
1642.01													
						100.0	148.30	-250.00	508.60	5086.03	5.086e+04	-	
1.102e+04													
134	77	757.53	1.781e+04	-0.03	-								
250.000.0	75.75	0.0	178.08	1780.81	0.0	757.53							
		-1.174e+04	0.0	-2.86e-04	0.0	50.0	75.75	-125.00	178.08	1780.81	8904.03	-	
2367.47													
						100.0	75.75	-250.00	178.08	1780.81	1.781e+04	-	
1.174e+04													
134	78	-109.74	2.619e+04	-0.03	-250.00	0.0	-10.97	0.0	261.88	2618.76	0.0	-	
109.74													
		-1.261e+04	0.0	-3.74e-04	0.0	50.0	-10.97	-125.00	261.88	2618.76	1.309e+04	-	
3234.74													
						100.0	-10.97	-250.00	261.88	2618.76	2.619e+04	-	
1.261e+04													
134	79	2091.03	3.247e+04	-0.06	-								
250.000.0	209.10	0.0	324.66	3246.62	0.0	2091.03							
		-1.041e+04	0.0	-8.81e-04	0.0	50.0	209.10	-125.00	324.66	3246.62	1.623e+04	-	
1033.97													
						100.0	209.10	-250.00	324.66	3246.62	3.247e+04	-	
1.041e+04													
134	80	1570.67	3.749e+04	-0.06	-								
250.000.0	157.07	0.0	374.94	3749.39	0.0	1570.67							
		-1.093e+04	0.0	-9.25e-04	0.0	50.0	157.07	-125.00	374.94	3749.39	1.875e+04	-	
1554.33													
						100.0	157.07	-250.00	374.94	3749.39	3.749e+04	-	
1.093e+04													
134	81	757.53	1.781e+04	-0.03	-								







1.369e+04						100.0	-119.15	-250.00	-255.87	-2558.72	-2.559e+04	-
135	81	-1974.92	0.0	-0.02	-250.00	0.0	-197.49	0.0	-41.09	-410.91	0.0	-
1974.92												
		-1.447e+04	-4109.12	4.30e-04	0.0	50.0	-197.49	-125.00	-41.09	-410.91	-2054.56	-
5099.92												
						100.0	-197.49	-250.00	-41.09	-410.91	-4109.12	-
1.447e+04												
135	82	-3041.97	0.0	-0.03	-250.00	0.0	-304.20	0.0	-58.96	-589.64	0.0	-
3041.97												
		-1.554e+04	-5896.37	5.73e-04	0.0	50.0	-304.20	-125.00	-58.96	-589.64	-2948.19	-
6166.97												
						100.0	-304.20	-250.00	-58.96	-589.64	-5896.37	-
1.554e+04												
136	1	2.483e+04	2.825e+05	1.05e-03	-337.50	0.0	2482.87	-				
549.582825.042.825e+040.0		2.483e+04										
		-4.700e+04	0.0	-2.39e-03	0.0	50.0	2482.87	-718.33	2825.04	2.825e+04	1.413e+05	-
6869.16												
						100.0	2482.87	-887.08	2825.04	2.825e+04	2.825e+05	-
4.700e+04												
136	3	2.394e+04	2.606e+05	1.02e-03	-250.00	0.0	2393.99	-				
555.052605.792.606e+040.0		2.394e+04										
		-4.406e+04	0.0	-2.20e-03	0.0	50.0	2393.99	-680.05	2605.79	2.606e+04	1.303e+05	-
6937.50												
						100.0	2393.99	-805.05	2605.79	2.606e+04	2.606e+05	-
4.406e+04												
136	6	3.580e+04	4.142e+05	1.54e-03	-337.50	0.0	3579.77	-				
842.084141.804.142e+040.0		3.580e+04										
		-6.529e+04	0.0	-3.50e-03	0.0	50.0	3579.77	-1010.83	4141.80	4.142e+04	2.071e+05	-
1.053e+04												
						100.0	3579.77	-1179.58	4141.80	4.142e+04	4.142e+05	-
6.529e+04												
136	25	8225.78	1.324e+05	3.32e-04	-250.00	0.0	822.58	-				
136.021324.041.324e+040.0		8225.78										
		-1.788e+04	0.0	-1.12e-03	0.0	50.0	822.58	-261.02	1324.04	1.324e+04	6.620e+04	-
1699.99												
						100.0	822.58	-386.02	1324.04	1.324e+04	1.324e+05	-
1.788e+04												
136	28	1989.21	9301.18	-1.64e-04	-250.00	0.0	-249.57	149.88	93.01	930.12	0.0	
2495.70												
		-2495.70	0.0	-7.86e-05	0.0	50.0	-					
249.5724.8893.01		930.12	4650.59	1873.48								
						100.0	-249.57	-100.12	93.01	930.12	9301.18	-
7.34												
136	57	6639.67	1.142e+05	2.64e-04	-250.00	0.0	663.97	-				
93.721142.451.142e+040.0		6639.67										
		-1.523e+04	0.0	-9.65e-04	0.0	50.0	663.97	-218.72	1142.45	1.142e+04	5.712e+04	-
1171.34												
						100.0	663.97	-343.72	1142.45	1.142e+04	1.142e+05	-
1.523e+04												
136	60	1404.83	2.746e+04	-1.09e-04	-250.00	0.0	-90.96	107.59	274.59	2745.95	0.0	-
909.59												
		-2650.75	0.0	-2.32e-04	0.0	50.0	-90.96	-				
17.41274.592745.951.373e+04		1344.83										
						100.0	-90.96	-142.41	274.59	2745.95	2.746e+04	-
2650.75												
136	73	1.674e+04	1.934e+05	7.07e-04	-250.00	0.0	1674.10	-				
363.081933.901.934e+040.0		1.674e+04										
		-3.207e+04	0.0	-1.63e-03	0.0	50.0	1674.10	-488.08	1933.90	1.934e+04	9.670e+04	-
4538.10												
						100.0	1674.10	-613.08	1933.90	1.934e+04	1.934e+05	-
3.207e+04												
136	76	2.399e+04	2.806e+05	1.03e-03	-250.00	0.0	2398.76	-				
556.322805.522.806e+040.0		2.399e+04										
		-4.414e+04	0.0	-2.37e-03	0.0	50.0	2398.76	-681.32	2805.52	2.806e+04	1.403e+05	-
6953.40												
						100.0	2398.76	-806.32	2805.52	2.806e+04	2.806e+05	-
4.414e+04												
136	77	5844.43	9.079e+04	2.30e-04	-250.00	0.0	584.44	-				
72.51907.929079.21		0.0	5844.43									
		-1.391e+04	0.0	-7.67e-04	0.0	50.0	584.44	-197.51	907.92	9079.21	4.540e+04	-
906.28												
						100.0	584.44	-322.51	907.92	9079.21	9.079e+04	-
1.391e+04												
136	80	1.772e+04	2.108e+05	7.50e-04	-250.00	0.0	1772.40	-				
389.292107.592.108e+040.0		1.772e+04										
		-3.371e+04	0.0	-1.78e-03	0.0	50.0	1772.40	-514.29	2107.59	2.108e+04	1.054e+05	-
4865.73												
						100.0	1772.40	-639.29	2107.59	2.108e+04	2.108e+05	-
3.371e+04												



[illegible]



		-7511.05		0.0		6.56e-03		0.0		50.0		200.67		95.18		-567.47		-					
5674.672.837e+04		372.83								100.0		200.67		-29.82		-567.47		-					
5674.67		0.0		2006.71																			
137		74		7292.81		6.799e+04		2.92e-04		-250.00		0.0		729.28		361.14		-679.93		-6799.30 6.799e+04			
1.632e+04				-1.632e+04		0.0		0.01		0.0		50.0		729.28		236.14		-679.93		-6799.30 3.400e+04			
1389.03												100.0		729.28		111.14		-679.93		-			
6799.30		0.0		7292.81																			
137		76		5745.92		6.810e+04		2.26e-04		-250.00		0.0		574.59		319.89		-680.98		-6809.79 6.810e+04			
1.374e+04				-1.374e+04		0.0		0.01		0.0		50.0		574.59		194.89		-680.98		-6809.79 3.405e+04			
873.45												100.0		574.59		69.89		-680.98		-			
6809.79		0.0		5745.92																			
137		77		2127.07		4.909e+04		6.69e-05		-250.00		0.0		192.10		217.89		-490.93		-4909.35 4.909e+04			
7368.28				-7368.28		0.0		5.90e-03		0.0		50.0		192.10		92.89		-490.93		-			
4909.352.455e+04		401.38										100.0		192.10		-32.11		-490.93		-			
4909.35		0.0		1921.04																			
137		78		4564.09		5.472e+04		1.75e-04		-250.00		0.0		456.41		288.37		-547.17		-5471.66 5.472e+04			
1.177e+04				-1.177e+04		0.0		8.27e-03		0.0		50.0		456.41		163.37		-547.17		-5471.66 2.736e+04			
479.55												100.0		456.41		38.37		-547.17		-			
5471.66		0.0		4564.09																			
137		80		3592.54		6.012e+04		1.34e-04		-250.00		0.0		359.25		262.47		-601.21		-6012.06 6.012e+04			
1.015e+04				-1.015e+04		0.0		7.99e-03		0.0		50.0		359.25		137.47		-601.21		-6012.06 3.006e+04			
155.73												100.0		359.25		12.47		-601.21		-			
6012.06		0.0		3592.54																			
137		81		2127.07		4.909e+04		6.69e-05		-250.00		0.0		192.10		217.89		-490.93		-4909.35 4.909e+04			
7368.28				-7368.28		0.0		5.90e-03		0.0		50.0		192.10		92.89		-490.93		-			
4909.352.455e+04		401.38										100.0		192.10		-32.11		-490.93		-			
4909.35		0.0		1921.04																			
137		82		3506.87		5.247e+04		1.30e-04		-250.00		0.0		350.69		260.18		-524.67		-5246.74 5.247e+04			
1.001e+04				-1.001e+04		0.0		7.32e-03		0.0		50.0		350.69		135.18		-524.67		-5246.74 2.623e+04			
127.17												100.0		350.69		10.18		-524.67		-			
5246.74		0.0		3506.87																			
138		2		-1.931e+04		0.0		0.04		-337.50		0.0		-1931.25		337.50		580.57		5805.68-5.806e+04			
3.619e+04				-3.619e+04		-5.806e+04		-2.34e-03		0.0		50.0		-1931.25		168.75		580.57		5805.68-2.903e+04			
2.353e+04												100.0		-1931.25		0.0		580.57		5805.68 0.0			
1.931e+04		3		-8813.92		0.0		5.44e-03		-250.00		0.0		-881.39		250.00		273.13		2731.28-2.731e+04			
2.131e+04				-2.131e+04		-2.731e+04		-1.57e-03		0.0		50.0		-881.39		125.00		273.13		2731.28-1.366e+04			
1.194e+04												100.0		-881.39		0.0		273.13		2731.28 0.0			
8813.92		4		-1.685e+04		0.0		0.03		-250.00		0.0		-1685.13		250.00		489.93		4899.32-4.899e+04			
2.935e+04				-2.935e+04		-4.899e+04		-1.83e-03		0.0		50.0		-1685.13		125.00		489.93		4899.32-2.450e+04			
1.998e+04												100.0		-1685.13		0.0		489.93		4899.32 0.0			
1.685e+04		31		-1.027e+04		0.0		-1.14e-03		-250.00		0.0		-1026.82		250.00		151.43		1514.30-1.514e+04			
2.277e+04				-2.277e+04		-1.514e+04		-5.57e-03		0.0		50.0		-1026.82		125.00		151.43		1514.30 -7571.51			
1.339e+04												100.0		-1026.82		0.0		151.43		1514.30 0.0			
1.027e+04		38		-5163.66		0.0		0.03		-250.00		0.0		-516.37		250.00		438.03		4380.34-4.380e+04			
1.766e+04				-1.766e+04		-4.380e+04		2.93e-03		0.0		50.0		-516.37		125.00		438.03		4380.34-2.190e+04			
8288.66												100.0		-516.37		0.0		438.03		4380.34 0.0			
5163.66		39		-1.041e+04		0.0		-2.96e-03		-250.00		0.0		-1041.25		250.00		122.40		1224.01-1.224e+04			
2.291e+04				-2.291e+04		-1.224e+04		-5.81e-03		0.0		50.0		-1041.25		125.00		122.40		1224.01 -6120.08			
1.354e+04																							



[illegible]



[illegible]



4894.42		-1.427e+04	-1.624e+04	8.05e-04	0.0	50.0	-176.94	125.00	162.43	1624.35	-8121.74	-
						100.0	-176.94	0.0	162.43	1624.35	0.0	-
1769.42												
139	75	-915.06	0.0	0.01	-250.00	0.0	-91.51	250.00	97.23	972.25	-9722.52	-
1.342e+04		-1.342e+04	-9722.52	4.33e-04	0.0	50.0	-91.51	125.00	97.23	972.25	-4861.26	-
4040.06												
						100.0	-91.51	0.0	97.23	972.25	0.0	-
915.06												
139	76	-1802.73	0.0	0.03	-250.00	0.0	-180.27	250.00	148.02	1480.21	-1.480e+04	-
1.430e+04		-1.430e+04	-1.480e+04	7.26e-04	0.0	50.0	-180.27	125.00	148.02	1480.21	-7401.06	-
4927.73												
						100.0	-180.27	0.0	148.02	1480.21	0.0	-
1802.73												
139	77	408.91	0.0	0.01	-250.00	0.0	40.89	250.00	73.69	736.86	-7368.62	-
1.209e+04		-1.209e+04	-7368.62	2.83e-04	0.0	50.0	40.89	125.00	73.69	736.86	-3684.31	-
2716.09												
						100.0	40.89	0.0	73.69	736.86	0.0408	-
.91												
139	79	-501.32	0.0	0.01	-250.00	0.0	-50.13	250.00	89.87	898.69	-8986.93	-
1.300e+04		-1.300e+04	-8986.93	3.86e-04	0.0	50.0	-50.13	125.00	89.87	898.69	-4493.46	-
3626.32												
						100.0	-50.13	0.0	89.87	898.69	0.0	-
501.32												
139	80	-881.75	0.0	0.02	-250.00	0.0	-88.17	250.00	111.64	1116.39	-1.116e+04	-
1.338e+04		-1.338e+04	-1.116e+04	5.12e-04	0.0	50.0	-88.17	125.00	111.64	1116.39	-5581.95	-
4006.75												
						100.0	-88.17	0.0	111.64	1116.39	0.0	-
881.75												
139	81	408.91	0.0	0.01	-250.00	0.0	40.89	250.00	73.69	736.86	-7368.62	-
1.209e+04		-1.209e+04	-7368.62	2.83e-04	0.0	50.0	40.89	125.00	73.69	736.86	-3684.31	-
2716.09												
						100.0	40.89	0.0	73.69	736.86	0.0408	-
.91												
139	82	28.48	0.0	0.02	-250.00	0.0	2.85	250.00	95.46	954.56	-9545.59	-
1.247e+04		-1.247e+04	-9545.59	4.09e-04	0.0	50.0	2.85	125.00	95.46	954.56	-4772.79	-
3096.52												
						100.0	2.85	0.0	95.46	954.56	0.0	28.
48												
140	1	-3168.70	0.0	0.02	-337.50	0.0	-316.87	337.50	152.14	1521.43	-1.521e+04	-
2.004e+04		-2.004e+04	-1.521e+04	2.11e-04	0.0	50.0	-316.87	168.75	152.14	1521.43	-7607.15	-
7387.45												
						100.0	-316.87	0.0	152.14	1521.43	0.0	-



[illegible]



141 2.295e+04	2	-6071.60	0.0	0.07	-337.50	0.0	-607.16	337.50	189.29	1892.95	-1.893e+04	-
1.029e+04		-2.295e+04	-1.893e+04	5.13e-04	0.0	50.0	-607.16	168.75	189.29	1892.95	-9464.74	-
6071.60 141						100.0	-607.16	0.0	189.29	1892.95	0.0	-
1.567e+04	3	-3172.85	0.0	0.02	-250.00	0.0	-317.29	250.00	189.82	1898.20	-1.898e+04	-
6297.85		-1.567e+04	-1.898e+04	6.73e-04	0.0	50.0	-317.29	125.00	189.82	1898.20	-9491.01	-
3172.85 141						100.0	-317.29	0.0	189.82	1898.20	0.0	-
2.124e+04	5	-4367.20	0.0	0.02	-337.50	0.0	-436.72	337.50	254.22	2542.15	-2.542e+04	-
8585.95		-2.124e+04	-2.542e+04	9.01e-04	0.0	50.0	-436.72	168.75	254.22	2542.15	-1.271e+04	-
4367.20 141						100.0	-436.72	0.0	254.22	2542.15	0.0	-
2.325e+04	6	-6374.32	0.0	0.06	-337.50	0.0	-637.43	337.50	253.58	2535.80	-2.536e+04	-
1.059e+04		-2.325e+04	-2.536e+04	7.89e-04	0.0	50.0	-637.43	168.75	253.58	2535.80	-1.268e+04	-
6374.32 141						100.0	-637.43	0.0	253.58	2535.80	0.0	-
1.132e+04	38	1181.58	7691.15	0.07	-250.00	0.0	118.16	250.00	-76.91	-769.12	7691.15	-
1943.42		-1.132e+04	0.0	-7.26e-04	0.0	50.0	118.16	125.00	-76.91	-769.12	3845.58	-
769.120.01181.58 141						100.0	118.16	0.0	-76.91	-	-	-
1.443e+04	39	-1933.97	0.0	-0.02	-250.00	0.0	-193.40	250.00	78.83	788.32	-7883.20	-
5058.97		-1.443e+04	-7883.20	6.57e-04	0.0	50.0	-193.40	125.00	78.83	788.32	-3941.60	-
1933.97 141						100.0	-193.40	0.0	78.83	788.32	0.0	-
1.178e+04	70	723.71	5280.75	0.05	-250.00	0.0	72.37	250.00	-52.81	-528.08	5280.75	-
2401.29		-1.178e+04	0.0	-5.27e-04	0.0	50.0	72.37	125.00	-52.81	-528.08	2640.38	-
528.080.0723.71 141						100.0	72.37	0.0	-52.81	-	-	-
1.398e+04	71	-1476.10	0.0	-6.73e-03	-250.00	0.0	-147.61	250.00	54.73	547.28	-5472.80	-
4601.10		-1.398e+04	-5472.80	4.58e-04	0.0	50.0	-147.61	125.00	54.73	547.28	-2736.40	-
1476.10 141						100.0	-147.61	0.0	54.73	547.28	0.0	-
1.460e+04	73	-2097.96	0.0	0.02	-250.00	0.0	-209.80	250.00	127.48	1274.82	-1.275e+04	-
5222.96		-1.460e+04	-1.275e+04	4.50e-04	0.0	50.0	-209.80	125.00	127.48	1274.82	-6374.12	-
2097.96 141						100.0	-209.80	0.0	127.48	1274.82	0.0	-
1.651e+04	74	-4009.50	0.0	0.05	-250.00	0.0	-400.95	250.00	126.88	1268.77	-1.269e+04	-
7134.50		-1.651e+04	-1.269e+04	3.43e-04	0.0	50.0	-400.95	125.00	126.88	1268.77	-6343.85	-
4009.50 141						100.0	-400.95	0.0	126.88	1268.77	0.0	-
1.536e+04	75	-2863.03	0.0	0.02	-250.00	0.0	-286.30	250.00	169.60	1695.96	-1.696e+04	-
5988.03		-1.536e+04	-1.696e+04	6.00e-04	0.0	50.0	-286.30	125.00	169.60	1695.96	-8479.79	-
2863.03 141						100.0	-286.30	0.0	169.60	1695.96	0.0	-
1.670e+04	76	-4201.11	0.0	0.04	-250.00	0.0	-420.11	250.00	169.17	1691.72	-1.692e+04	-
7326.11		-1.670e+04	-1.692e+04	5.26e-04	0.0	50.0	-420.11	125.00	169.17	1691.72	-8458.61	-
4201.11 141						100.0	-420.11	0.0	169.17	1691.72	0.0	-
1.291e+04	77	-414.79	0.0	0.01	-250.00	0.0	-41.48	250.00	34.83	348.33	-3483.26	-
3539.79		-1.291e+04	-3483.26	1.18e-04	0.0	50.0	-41.48	125.00	34.83	348.33	-1741.63	-
414.79 141						100.0	-41.48	0.0	34.83	348.33	0.0	-
1.387e+04	78	-1370.57	0.0	0.03	-250.00	0.0	-137.06	250.00	34.53	345.30	-3453.00	-



4495.57		-1.387e+04	-3453.00	6.64e-05	0.0	50.0	-137.06	125.00	34.53	345.30	-1726.50	-	
						100.0	-137.06	0.0	34.53	345.30	0.0	-	
1370.57													
141	79	-2097.96	0.0	0.02	-250.00	0.0	-209.80	250.00	127.48	1274.82	-1.275e+04	-	
1.460e+04		-1.460e+04	-1.275e+04	4.50e-04	0.0	50.0	-209.80	125.00	127.48	1274.82	-6374.12	-	
5222.96													
						100.0	-209.80	0.0	127.48	1274.82	0.0	-	
2097.96													
141	80	-2671.42	0.0	0.03	-250.00	0.0	-267.14	250.00	127.30	1273.01	-1.273e+04	-	
1.517e+04		-1.517e+04	-1.273e+04	4.18e-04	0.0	50.0	-267.14	125.00	127.30	1273.01	-6365.04	-	
5796.42													
						100.0	-267.14	0.0	127.30	1273.01	0.0	-	
2671.42													
141	81	-414.79	0.0	0.01	-250.00	0.0	-41.48	250.00	34.83	348.33	-3483.26	-	
1.291e+04		-1.291e+04	-3483.26	1.18e-04	0.0	50.0	-41.48	125.00	34.83	348.33	-1741.63	-	
3539.79													
						100.0	-41.48	0.0	34.83	348.33	0.0	-	
414.79													
141	82	-988.26	0.0	0.02	-250.00	0.0	-98.83	250.00	34.65	346.51	-3465.10	-	
1.349e+04		-1.349e+04	-3465.10	8.61e-05	0.0	50.0	-98.83	125.00	34.65	346.51	-1732.55	-	
4113.26													
						100.0	-98.83	0.0	34.65	346.51	0.0	-	
988.26													
142	3	-3484.05	0.0	0.03	-250.00	0.0	-348.40	250.00	250.75	2507.48	-2.507e+04	-	
1.598e+04		-1.598e+04	-2.507e+04	1.47e-03	0.0	50.0	-348.40	125.00	250.75	2507.48	-1.254e+04	-	
6609.05													
						100.0	-348.40	0.0	250.75	2507.48	0.0	-	
3484.05													
142	6	-7213.60	0.0	0.08	-337.50	0.0	-721.36	337.50	307.99	3079.93	-3.080e+04	-	
2.409e+04		-2.409e+04	-3.080e+04	1.93e-03	0.0	50.0	-721.36	168.75	307.99	3079.93	-1.540e+04	-	
1.143e+04													
						100.0	-721.36	0.0	307.99	3079.93	0.0	-	
7213.60													
142	7	-4560.93	0.0	0.04	-250.00	0.0	-456.09	250.00	347.11	3471.05	-3.471e+04	-	
1.706e+04		-1.706e+04	-3.471e+04	1.90e-03	0.0	50.0	-456.09	125.00	347.11	3471.05	-1.736e+04	-	
7685.93													
						100.0	-456.09	0.0	347.11	3471.05	0.0	-	
4560.93													
142	8	-6965.15	0.0	0.07	-250.00	0.0	-696.52	250.00	320.77	3207.71	-3.208e+04	-	
1.947e+04		-1.947e+04	-3.208e+04	1.86e-03	0.0	50.0	-696.52	125.00	320.77	3207.71	-1.604e+04	-	
1.009e+04													
						100.0	-696.52	0.0	320.77	3207.71	0.0	-	
6965.15													
142	30	23.28	2.626e+04	0.06	-250.00	0.0	2.33	250.00	-262.57	-2625.75	2.626e+04	-	
1.248e+04		-1.248e+04	0.0	-1.68e-03	0.0	50.0	2.33	125.00	-262.57	-2625.75	1.313e+04	-	
3101.72													
						100.0	2.33	0.0	-262.57	-	-	-	
2625.75													
142	31	23.28	-2150.51	0.0	-0.02	-250.00	0.0	-215.05	250.00	179.93	1799.34	-1.799e+04	-
1.465e+04		-1.465e+04	-1.799e+04	2.04e-03	0.0	50.0	-215.05	125.00	179.93	1799.34	-8996.69	-	
5275.51													
						100.0	-215.05	0.0	179.93	1799.34	0.0	-	
2150.51													
142	38	-8.28	3.175e+04	0.06	-250.00	0.0	-0.83	250.00	-317.49	-3174.87	3.175e+04	-	
1.251e+04		-1.251e+04	0.0	-1.87e-03	0.0	50.0	-0.83	125.00	-317.49	-3174.87	1.587e+04	-	
3133.28													
						100.0	-0.83	0.0	-317.49	-3174.87	0.0	-	
8.28													
142	39	-2118.95	0.0	-0.01	-250.00	0.0	-211.89	250.00	234.85	2348.46	-2.348e+04	-	
1.462e+04		-1.462e+04	-2.348e+04	2.24e-03	0.0	50.0	-211.89	125.00	234.85	2348.46	-1.174e+04	-	
5243.95													
						100.0	-211.89	0.0	234.85	2348.46	0.0	-	
2118.95													
142	62	-302.08	1.937e+04	0.05	-250.00	0.0	-30.21	250.00	-193.69	-1936.88	1.937e+04	-	
1.280e+04		-1.280e+04	0.0	-1.14e-03	0.0	50.0	-30.21	125.00	-193.69	-1936.88	9684.40	-	
3427.08													



							100.0	-30.21	0.0	-193.69	-1936.88	0.0	-
302.08													
142	63	-1825.15	0.0	-4.56e-03	-250.00	0.0	-182.52	250.00	111.05	1110.47	-1.110e+04	-	
1.433e+04		-1.433e+04	-1.110e+04	1.51e-03	0.0	50.0	-182.52	125.00	111.05	1110.47	-5552.34	-	
4950.15													
							100.0	-182.52	0.0	111.05	1110.47	0.0	-
1825.15													
142	70	-324.49	2.338e+04	0.05	-250.00	0.0	-32.45	250.00	-233.76	-2337.55	2.338e+04	-	
1.282e+04		-1.282e+04	0.0	-1.28e-03	0.0	50.0	-32.45	125.00	-233.76	-2337.55	1.169e+04	-	
3449.49													
							100.0	-32.45	0.0	-233.76	-2337.55	0.0	-
324.49													
142	71	-1802.74	0.0	-3.05e-03	-250.00	0.0	-180.27	250.00	151.11	1511.14	-1.511e+04	-	
1.430e+04		-1.430e+04	-1.511e+04	1.65e-03	0.0	50.0	-180.27	125.00	151.11	1511.14	-7555.71	-	
4927.74													
							100.0	-180.27	0.0	151.11	1511.14	0.0	-
1802.74													
142	73	-2502.13	0.0	0.02	-250.00	0.0	-250.21	250.00	156.38	1563.83	-1.564e+04	-	
1.500e+04		-1.500e+04	-1.564e+04	1.05e-03	0.0	50.0	-250.21	125.00	156.38	1563.83	-7819.16	-	
5627.13													
							100.0	-250.21	0.0	156.38	1563.83	0.0	-
2502.13													
142	75	-3210.61	0.0	0.03	-250.00	0.0	-321.06	250.00	219.78	2197.76	-2.198e+04	-	
1.571e+04		-1.571e+04	-2.198e+04	1.33e-03	0.0	50.0	-321.06	125.00	219.78	2197.76	-1.099e+04	-	
6335.61													
							100.0	-321.06	0.0	219.78	2197.76	0.0	-
3210.61													
142	76	-4813.42	0.0	0.05	-250.00	0.0	-481.34	250.00	202.22	2022.20	-2.022e+04	-	
1.731e+04		-1.731e+04	-2.022e+04	1.31e-03	0.0	50.0	-481.34	125.00	202.22	2022.20	-1.011e+04	-	
7938.42													
							100.0	-481.34	0.0	202.22	2022.20	0.0	-
4813.42													
142	77	-943.48	0.0	0.02	-250.00	0.0	-94.35	250.00	16.92	169.18	-1691.82	-	
1.344e+04		-1.344e+04	-1691.82	4.22e-04	0.0	50.0	-94.35	125.00	16.92	169.18	-845.91	-	
4068.48													
							100.0	-94.35	0.0	16.92	169.18	0.0	-
943.48													
142	79	-2502.13	0.0	0.02	-250.00	0.0	-250.21	250.00	156.38	1563.83	-1.564e+04	-	
1.500e+04		-1.500e+04	-1.564e+04	1.05e-03	0.0	50.0	-250.21	125.00	156.38	1563.83	-7819.16	-	
5627.13													
							100.0	-250.21	0.0	156.38	1563.83	0.0	-
2502.13													
142	80	-3189.05	0.0	0.03	-250.00	0.0	-318.90	250.00	148.86	1488.59	-1.489e+04	-	
1.569e+04		-1.569e+04	-1.489e+04	1.04e-03	0.0	50.0	-318.90	125.00	148.86	1488.59	-7442.96	-	
6314.05													
							100.0	-318.90	0.0	148.86	1488.59	0.0	-
3189.05													
142	81	-943.48	0.0	0.02	-250.00	0.0	-94.35	250.00	16.92	169.18	-1691.82	-	
1.344e+04		-1.344e+04	-1691.82	4.22e-04	0.0	50.0	-94.35	125.00	16.92	169.18	-845.91	-	
4068.48													
							100.0	-94.35	0.0	16.92	169.18	0.0	-
943.48													
142	82	-1630.40	0.0	0.03	-250.00	0.0	-163.04	250.00	9.39	93.94	-939.41	-	
1.413e+04		-1.413e+04	-939.41	4.11e-04	0.0	50.0	-163.04	125.00	9.39	93.94	-469.70	-	
4755.40													
							100.0	-163.04	0.0	9.39	93.94	0.0	-
1630.40													
143	2	226.62	7.228e+04	0.13	-337.50	0.0	22.66	337.50	-722.76	-7227.58	7.228e+04	-	
1.665e+04		-1.665e+04	0.0	9.03e-04	0.0	50.0	22.66	168.75	-722.76	-7227.58	3.614e+04	-	
3992.13													
							100.0	22.66	0.0	-722.76	-		
7227.58	0.0	226.62											
143	4	219.74	6.701e+04	0.13	-250.00	0.0	21.97	250.00	-670.11	-6701.07	6.701e+04	-	
1.228e+04		-1.228e+04	0.0	9.14e-04	0.0	50.0	21.97	125.00	-670.11	-6701.07	3.351e+04	-	
2905.26													
							100.0	21.97	0.0	-670.11	-		
6701.07	0.0	219.74											



143	5	3966.92	5.721e+04	0.11	-337.50	0.0	396.69	337.50	-572.07	-5720.67	5.721e+04	-
1.291e+04		-1.291e+04	0.0	1.69e-03	0.0	50.0	396.69	168.75	-572.07	-5720.67	2.860e+04	-
251.83							100.0	396.69	0.0	-572.07	-	
5720.67	0.0	3966.92										
143	6	1993.64	7.484e+04	0.14	-337.50	0.0	199.36	337.50	-748.44	-7484.43	7.484e+04	-
1.488e+04		-1.488e+04	0.0	1.44e-03	0.0	50.0	199.36	168.75	-748.44	-7484.43	3.742e+04	-
2225.11							100.0	199.36	0.0	-748.44	-	
7484.43	0.0	1993.64										
143	18	63.99	3.087e+04	0.03	-250.00	0.0	6.40	250.00	-308.70	-3086.99	3.087e+04	-
1.244e+04		-1.244e+04	0.0	-9.53e-04	0.0	50.0	6.40	125.00	-308.70	-3086.99	1.543e+04	-
3061.01							100.0	6.40	0.0	-308.70	-	
3086.99	0.0	63.99										
143	19	-646.33	4164.40	0.01	-250.00	0.0	-64.63	250.00	-41.64	-416.44	4164.40	-
1.315e+04		-1.315e+04	0.0	7.73e-04	0.0	50.0	-64.63	125.00	-41.64	-416.44	2082.20	-
3771.33							100.0	-64.63	0.0	-41.64	-416.44	0.0
646.33												
143	30	63.61	5.615e+04	0.05	-250.00	0.0	6.36	250.00	-561.50	-5615.04	5.615e+04	-
1.244e+04		-1.244e+04	0.0	-2.88e-03	0.0	50.0	6.36	125.00	-561.50	-5615.04	2.808e+04	-
3061.39							100.0	6.36	0.0	-561.50	-	
5615.04	0.0	63.61										
143	31	-645.96	0.0	-6.15e-03	-250.00	0.0	-64.60	250.00	211.16	2111.61	-2.112e+04	-
1.315e+04		-1.315e+04	-2.112e+04	2.70e-03	0.0	50.0	-64.60	125.00	211.16	2111.61	-1.056e+04	-
3770.96							100.0	-64.60	0.0	211.16	2111.61	0.0
645.96												
143	62	-50.68	4.493e+04	0.04	-250.00	0.0	-5.07	250.00	-449.29	-4492.85	4.493e+04	-
1.255e+04		-1.255e+04	0.0	-2.08e-03	0.0	50.0	-5.07	125.00	-449.29	-4492.85	2.246e+04	-
3175.68							100.0	-5.07	0.0	-449.29	-4492.85	0.0
50.68												
143	63	-531.67	0.0	1.94e-03	-250.00	0.0	-53.17	250.00	98.94	989.42	-9894.23	-
1.303e+04		-1.303e+04	-9894.23	1.90e-03	0.0	50.0	-53.17	125.00	98.94	989.42	-4947.12	-
3656.67							100.0	-53.17	0.0	98.94	989.42	0.0
531.67												
143	74	211.72	4.926e+04	0.09	-250.00	0.0	21.17	250.00	-492.64	-4926.40	4.926e+04	-
1.229e+04		-1.229e+04	0.0	6.05e-04	0.0	50.0	21.17	125.00	-492.64	-4926.40	2.463e+04	-
2913.28							100.0	21.17	0.0	-492.64	-	
4926.40	0.0	211.72										
143	75	2697.17	3.913e+04	0.07	-250.00	0.0	269.72	250.00	-391.29	-3912.90	3.913e+04	-
9802.83		-9802.83	0.0	1.13e-03	0.0	50.0	269.72	125.00	-391.29	-3912.90	1.956e+04	-
427.83							100.0	269.72	0.0	-391.29	-	
3912.90	0.0	2697.17										
143	76	1381.65	5.089e+04	0.09	-250.00	0.0	138.17	250.00	-508.87	-5088.74	5.089e+04	-
1.112e+04		-1.112e+04	0.0	9.62e-04	0.0	50.0	138.17	125.00	-508.87	-5088.74	2.544e+04	-
1743.35							100.0	138.17	0.0	-508.87	-	
5088.74	0.0	1381.65										
143	78	-182.12	2.621e+04	0.04	-250.00	0.0	-18.21	250.00	-262.07	-2620.69	2.621e+04	-
1.268e+04		-1.268e+04	0.0	-1.85e-04	0.0	50.0	-18.21	125.00	-262.07	-2620.69	1.310e+04	-
3307.12							100.0	-18.21	0.0	-262.07	-2620.69	0.0
182.12												
143	79	2091.03	3.247e+04	0.06	-250.00	0.0	209.10	250.00	-324.66	-3246.62	3.247e+04	-
1.041e+04		-1.041e+04	0.0	8.40e-04	0.0	50.0	209.10	125.00	-324.66	-3246.62	1.623e+04	-
1033.97							100.0	209.10	0.0	-324.66	-	
3246.62	0.0	2091.03										
143	80	1527.24	3.751e+04	0.07	-250.00	0.0	152.72	250.00	-375.06	-3750.55	3.751e+04	-
1.097e+04												



1597.76		-1.097e+04	0.0	7.69e-04	0.0	50.0	152.72	125.00	-375.06	-3750.55	1.875e+04	-
						100.0	152.72	0.0	-375.06	-		
3750.55	0.0	1527.24										
143	81	757.53	1.781e+04	0.03	-250.00	0.0	75.75	250.00	-178.08	-1780.81	1.781e+04	-
1.174e+04		-1.174e+04	0.0	2.09e-04	0.0	50.0	75.75	125.00	-178.08	-1780.81	8904.03	-
2367.47						100.0	75.75	0.0	-178.08	-		
1780.81	0.0	757.53										
143	82	193.74	2.285e+04	0.03	-250.00	0.0	19.37	250.00	-228.47	-2284.74	2.285e+04	-
1.231e+04		-1.231e+04	0.0	-1.39e-04	0.0	50.0	19.37	125.00	-228.47	-2284.74	1.142e+04	-
2931.26						100.0	19.37	0.0	-228.47	-		
2284.74	0.0	193.74										
144	1	120.37	0.0	0.11	-337.50	0.0	12.04	337.50	361.27	3612.72	-3.613e+04	-
1.675e+04		-1.675e+04	-3.613e+04	-1.35e-03	0.0	50.0	12.04	168.75	361.27	3612.72	-1.806e+04	-
4098.38						100.0	12.04	0.0	361.27	3612.72	0.0120	
.37												
144	2	-5137.48	0.0	0.14	-337.50	0.0	-513.75	337.50	440.54	4405.35	-4.405e+04	-
2.201e+04		-2.201e+04	-4.405e+04	-2.57e-03	0.0	50.0	-513.75	168.75	440.54	4405.35	-2.203e+04	-
9356.23						100.0	-513.75	0.0	440.54	4405.35	0.0	-
5137.48												
144	7	2496.61	0.0	0.14	-250.00	0.0	249.66	250.00	504.53	5045.30	-5.045e+04	-
1.000e+04		-1.000e+04	-5.045e+04	-1.56e-03	0.0	50.0	249.66	125.00	504.53	5045.30	-2.523e+04	-
628.39						100.0	249.66	0.0	504.53	5045.30	0.0249	
6.61												
144	8	-1183.88	0.0	0.16	-250.00	0.0	-118.39	250.00	560.01	5600.14	-5.600e+04	-
1.368e+04		-1.368e+04	-5.600e+04	-2.42e-03	0.0	50.0	-118.39	125.00	560.01	5600.14	-2.800e+04	-
4308.88						100.0	-118.39	0.0	560.01	5600.14	0.0	-
1183.88												
144	29	-3122.24	0.0	-7.47e-04	-250.00	0.0	-312.22	250.00	95.80	958.00	-9580.01	-
1.562e+04		-1.562e+04	-9580.01	2.83e-03	0.0	50.0	-312.22	125.00	95.80	958.00	-4790.01	-
6247.24						100.0	-312.22	0.0	95.80	958.00	0.0	-
3122.24												
144	32	-4276.52	1.251e+04	0.03	-250.00	0.0	-427.65	250.00	-125.12	-1251.18	1.251e+04	-
1.678e+04		-1.678e+04	0.0	-3.82e-03	0.0	50.0	-427.65	125.00	-125.12	-1251.18	6255.92	-
7401.52						100.0	-427.65	0.0	-125.12	-1251.18	0.0	-
4276.52												
144	33	-3013.35	0.0	1.13e-03	-250.00	0.0	-301.33	250.00	79.61	796.07	-7960.73	-
1.551e+04		-1.551e+04	-7960.73	2.67e-03	0.0	50.0	-301.33	125.00	79.61	796.07	-3980.36	-
6138.35						100.0	-3					



						100.0	-322.66	0.0	51.07	510.68	0.0	-
3226.56												
144	68	-4172.21	8038.63	0.02	-250.00	0.0	-417.22	250.00	-80.39	-803.86	8038.63	-
1.667e+04		-1.667e+04	0.0	-2.75e-03	0.0	50.0	-417.22	125.00	-80.39	-803.86	4019.32	-
7297.21												
						100.0	-417.22	0.0	-80.39	-803.86	0.0	-
4172.21												
144	73	-124.46	0.0	0.07	-250.00	0.0	-12.45	250.00	238.00	2379.99	-2.380e+04	-
1.262e+04		-1.262e+04	-2.380e+04	-9.16e-04	0.0	50.0	-12.45	125.00	238.00	2379.99	-1.190e+04	-
3249.46												
						100.0	-12.45	0.0	238.00	2379.99	0.0	-
124.46												
144	74	-3629.69	0.0	0.09	-250.00	0.0	-362.97	250.00	290.84	2908.42	-2.908e+04	-
1.613e+04		-1.613e+04	-2.908e+04	-1.73e-03	0.0	50.0	-362.97	125.00	290.84	2908.42	-1.454e+04	-
6754.69												
						100.0	-362.97	0.0	290.84	2908.42	0.0	-
3629.69												
144	75	716.66	0.0	0.09	-250.00	0.0	71.67	250.00	327.50	3275.03	-3.275e+04	-
1.178e+04		-1.178e+04	-3.275e+04	-1.14e-03	0.0	50.0	71.67	125.00	327.50	3275.03	-1.638e+04	-
2408.34												
						100.0	71.67	0.0	327.50	3275.03	0.0716	-
.66												
144	76	-1737.01	0.0	0.11	-250.00	0.0	-173.70	250.00	364.49	3644.93	-3.645e+04	-
1.424e+04		-1.424e+04	-3.645e+04	-1.71e-03	0.0	50.0	-173.70	125.00	364.49	3644.93	-1.822e+04	-
4862.00												
						100.0	-173.70	0.0	364.49	3644.93	0.0	-
1737.01												
144	77	-1974.92	0.0	0.02	-250.00	0.0	-197.49	250.00	41.09	410.91	-4109.12	-
1.447e+04		-1.447e+04	-4109.12	-4.30e-04	0.0	50.0	-197.49	125.00	41.09	410.91	-2054.56	-
5099.92												
						100.0	-197.49	0.0	41.09	410.91	0.0	-
1974.92												
144	78	-3727.53	0.0	0.03	-250.00	0.0	-372.75	250.00	67.51	675.12	-6751.24	-
1.623e+04		-1.623e+04	-6751.24	-8.37e-04	0.0	50.0	-372.75	125.00	67.51	675.12	-3375.62	-
6852.53												
						100.0	-372.75	0.0	67.51	675.12	0.0	-
3727.53												
144	79	-124.46	0.0	0.07	-250.00	0.0	-12.45	250.00	238.00	2379.99	-2.380e+04	-
1.262e+04		-1.262e+04	-2.380e+04	-9.16e-04	0.0	50.0	-12.45	125.00	238.00	2379.99	-1.190e+04	-
3249.46												
						100.0	-12.45	0.0	238.00	2379.99	0.0	-
124.46												
144	80	-1176.03	0.0	0.08	-250.00	0.0	-117.60	250.00	253.85	2538.52	-2.539e+04	-
1.368e+04		-1.368e+04	-2.539e+04	-1.16e-03	0.0	50.0	-117.60	125.00	253.85	2538.52	-1.269e+04	-
4301.03												
						100.0	-117.60	0.0	253.85	2538.52	0.0	-
1176.03												
144	81	-1974.92	0.0	0.02	-250.00	0.0	-197.49	250.00	41.09	410.91	-4109.12	-
1.447e+04		-1.447e+04	-4109.12	-4.30e-04	0.0	50.0	-197.49	125.00	41.09	410.91	-2054.56	-
5099.92												
						100.0	-197.49	0.0	41.09	410.91	0.0	-
1974.92												
144	82	-3026.49	0.0	0.03	-250.00	0.0	-302.65	250.00	56.94	569.44	-5694.39	-
1.553e+04		-1.553e+04	-5694.39	-6.74e-04	0.0	50.0	-302.65	125.00	56.94	569.44	-2847.19	-
6151.49												
						100.0	-302.65	0.0	56.94	569.44	0.0	-
3026.49												
145	3	2.394e+04	2.606e+05	1.02e-03	-250.00	0.0	2393.99	805.05	-2605.79	-2.606e+04	2.606e+05	-
4.406e+04		-4.406e+04	0.0	-2.20e-03	0.0	50.0	2393.99	680.05	-2605.79	-2.606e+04	1.303e+05	-
6937.50												
						100.0	2393.99	555.05	-2605.79	-	-	-
2.606e+04	0.0	2.394e+04										
145	5	3.236e+04	3.534e+05	1.39e-03	-337.50	0.0	3235.72	1087.84	-3533.90	-3.534e+04	3.534e+05	-
5.955e+04		-5.955e+04	0.0	-2.98e-03	0.0	50.0	3235.72	919.09	-3533.90	-3.534e+04	1.767e+05	-
9378.41												
						100.0	3235.72	750.34	-3533.90	-	-	-
3.534e+04	0.0	3.236e+04										



[illegible]



[illegible]



							185.8	3.270e+04	-2.972e+04	72.48 -4.220e+04 -1.768e+04			-	
4.296e+06	146	67	6.875e+05	1.932e+05	0.12	-3688.88	0.0	4.359e+04	-2.028e+04	1424.00	6.490e+04		-	
7.286e+04	67.875e+05		-3.431e+06	-7.286e+04	2.31e-03		0.0	92.9	4.359e+04	-2.213e+04	1424.00	6.490e+04	6.016e+04	-
1.286e+06								185.8	4.359e+04	-2.397e+04	1424.00	6.490e+04	1.932e+05	-
3.431e+06	146	73	1.851e+06	1.626e+05	0.15	-2944.61	0.0	6.891e+04	-1.509e+04	2191.07	-2.051e+05		-	
2.444e+05	1.851e+06		-1.226e+06	-2.444e+05	-8.80e-03		0.0	92.9	6.891e+04	-1.657e+04	2191.07	-2.051e+05		-
4.088e+04	3.809e+05							185.8	6.891e+04	-1.804e+04	2191.07	-2.051e+05	1.626e+05	-
1.226e+06	146	74	2.367e+06	2.357e+05	0.23	-5425.51	0.0	9.093e+04	-2.935e+04	2917.94	-2.155e+05		-	
3.064e+05	2.367e+06		-3.589e+06	-3.064e+05	-0.01		0.0	92.9	9.093e+04	-3.207e+04	2917.94	-2.155e+05	-3.535e+04	-
4.850e+05								185.8	9.093e+04	-3.478e+04	2917.94	-2.155e+05	2.357e+05	-
3.589e+06	146	76	2.621e+06	2.460e+05	0.22	-4681.24	0.0	9.678e+04	-2.381e+04	3253.51	-2.855e+05		-	
3.583e+05	2.621e+06		-2.238e+06	-3.583e+05	-0.01		0.0	92.9	9.678e+04	-2.615e+04	3253.51	-2.855e+05		-
5.617e+04	3.003e+05							185.8	9.678e+04	-2.850e+04	3253.51	-2.855e+05	2.460e+05	-
2.238e+06	146	77	9.530e+05	9.165e+04	0.11	-2944.61	0.0	4.150e+04	-1.787e+04	973.09	-4.408e+04		-	
8.910e+04	9.530e+05		-2.640e+06	-8.910e+04	-2.68e-03		0.0	92.9	4.150e+04	-1.934e+04	973.09	-4.408e+04	1274.20	-
7.752e+05								185.8	4.150e+04	-2.082e+04	973.09	-4.408e+04	9.165e+04	-
2.640e+06	146	78	1.211e+06	1.282e+05	0.15	-4185.06	0.0	5.251e+04	-2.500e+04	1336.52	-4.928e+04		-	
1.201e+05	1.211e+06		-3.822e+06	-1.201e+05	-3.46e-03		0.0	92.9	5.251e+04	-2.709e+04	1336.52	-4.928e+04	4037.04	-
1.208e+06								185.8	5.251e+04	-2.919e+04	1336.52	-4.928e+04	1.282e+05	-
3.822e+06	146	80	2.006e+06	1.845e+05	0.17	-3688.88	0.0	7.552e+04	-1.937e+04	2409.13	-2.082e+05		-	
2.630e+05	2.006e+06		-1.935e+06	-2.630e+05	-9.26e-03		0.0	92.9	7.552e+04	-2.122e+04	2409.13	-2.082e+05		-
3.922e+04	1.211e+05							185.8	7.552e+04	-2.306e+04	2409.13	-2.082e+05	1.845e+05	-
1.935e+06	146	81	9.530e+05	9.165e+04	0.11	-2944.61	0.0	4.150e+04	-1.787e+04	973.09	-4.408e+04		-	
8.910e+04	9.530e+05		-2.640e+06	-8.910e+04	-2.68e-03		0.0	92.9	4.150e+04	-1.934e+04	973.09	-4.408e+04	1274.20	-
7.752e+05								185.8	4.150e+04	-2.082e+04	973.09	-4.408e+04	9.165e+04	-
2.640e+06	146	82	1.108e+06	1.136e+05	0.14	-3688.88	0.0	4.811e+04	-2.215e+04	1191.15	-4.720e+04		-	
1.077e+05	1.108e+06		-3.349e+06	-1.077e+05	-3.15e-03		0.0	92.9	4.811e+04	-2.399e+04	1191.15	-4.720e+04	2931.90	-
1.035e+06								185.8	4.811e+04	-2.584e+04	1191.15	-4.720e+04	1.136e+05	-
3.349e+06	147	2	3.287e+06	4.423e+05	0.31	-6781.30	0.0	1.3						



147	31	9.375e+05	6.794e+04	0.14	-3499.71	0.0	3.431e+04	-				
2.592e+04	317.764	8.97e+04	9693.10	9.375e+05								
		-4.222e+06	9693.10	5.17e-03	0.0	92.9	3.431e+04	-2.767e+04	317.76	4.897e+04	3.882e+04	-
1.561e+06												
						185.8	3.431e+04	-2.942e+04	317.76	4.897e+04	6.794e+04	-
4.222e+06												
147	32	5.984e+05	8.672e+04	0.11	-3499.71	0.0	4.544e+04	-1.825e+04	-1909.36	-		
1.056e+05	8.672e+04	5.984e+05										
		-3.129e+06	-2.706e+05	-3.75e-03	0.0	92.9	4.544e+04	-2.000e+04	-1909.36	-1.056e+05	-9.193e+04	-
1.184e+06												
						185.8	4.544e+04	-2.175e+04	-1909.36	-1.056e+05	-2.706e+05	-
3.129e+06												
147	37	8.758e+05	4.800e+04	0.14	-3499.71	0.0	3.043e+04	-				
2.656e+04	146.854	8.36e+04	1.810e+04	8.758e+05								
		-4.369e+06	1.810e+04	5.22e-03	0.0	92.9	3.043e+04	-2.831e+04	146.85	4.836e+04	3.305e+04	-
1.666e+06												
						185.8	3.043e+04	-3.006e+04	146.85	4.836e+04	4.800e+04	-
4.369e+06												
147	40	6.185e+05	7.946e+04	0.11	-3499.71	0.0	4.624e+04	-1.834e+04	-1751.81	-		
1.027e+05	7.946e+04	6.185e+05										
		-3.127e+06	-2.486e+05	-3.84e-03	0.0	92.9	4.624e+04	-2.009e+04	-1751.81	-1.027e+05	-8.455e+04	-
1.173e+06												
						185.8	4.624e+04	-2.184e+04	-1751.81	-1.027e+05	-2.486e+05	-
3.127e+06												
147	62	6.141e+05	7.630e+04	0.11	-3499.71	0.0	4.138e+04	-1.993e+04	-1598.96	-		
8.141e+04	7.630e+04	6.141e+05										
		-3.403e+06	-2.201e+05	-2.50e-03	0.0	92.9	4.138e+04	-2.168e+04	-1598.96	-8.141e+04	-7.192e+04	-
1.313e+06												
						185.8	4.138e+04	-2.343e+04	-1598.96	-8.141e+04	-2.201e+05	-
3.403e+06												
147	63	8.801e+05	2.127e+04	0.13	-3499.71	0.0	3.529e+04	-2.497e+04	-			
6.002	7.07e+04	2.127e+04	8.01e+05									
		-4.094e+06	1.959e+04	3.89e-03	0.0	92.9	3.529e+04	-2.672e+04	-6.00	2.707e+04	2.043e+04	-
1.526e+06												
						185.8	3.529e+04	-2.847e+04	-6.00	2.707e+04	1.959e+04	-
4.094e+06												
147	64	6.390e+05	7.561e+04	0.11	-3499.71	0.0	4.321e+04	-1.951e+04	-1590.68	-		
8.274e+04	7.561e+04	6.390e+05										
		-3.318e+06	-2.214e+05	-2.48e-03	0.0	92.9	4.321e+04	-2.126e+04	-1590.68	-8.274e+04	-7.290e+04	-
1.258e+06												
						185.8	4.321e+04	-2.301e+04	-1590.68	-8.274e		



1.148e+06	-3.630e+06	-1.490e+05	3.07e-03	0.0	92.9	5.284e+04	-2.576e+04	-1426.92	2.290e+04	-1.652e+04	-
3.630e+06					185.8	5.284e+04	-2.769e+04	-1426.92	2.290e+04	-1.490e+05	-
147	80	1.972e+06	2.605e+05	0.17	-3499.71	0.0	7.571e+04	-1.866e+04	-		
2463.371	924e+05	2.605e+05	1.972e+06								
		-1.820e+06	-1.971e+05	9.03e-03	0.0	92.9	7.571e+04	-2.041e+04	-		
2463.371	924e+05	3.173e+04	1.572e+05								
					185.8	7.571e+04	-2.216e+04	-2463.37	1.924e+05	-1.971e+05	-
1.820e+06											
147	81	9.530e+05	8.910e+04	0.11	-2944.61	0.0	4.150e+04	-1.787e+04	-		
973.094	408e+04	8.910e+04	9.530e+05								
		-2.640e+06	-9.165e+04	2.68e-03	0.0	92.9	4.150e+04	-1.934e+04	-973.09	4.408e+04	-1274.20
7.752e+05											
					185.8	4.150e+04	-2.082e+04	-973.09	4.408e+04	-9.165e+04	-
2.640e+06											
147	82	1.074e+06	1.052e+05	0.13	-3499.71	0.0	4.830e+04	-2.144e+04	-		
1245.393	137e+04	1.052e+05	1.074e+06								
		-3.234e+06	-1.261e+05	2.92e-03	0.0	92.9	4.830e+04	-2.319e+04	-1245.39	3.137e+04	-1.042e+04
9.989e+05											
					185.8	4.830e+04	-2.494e+04	-1245.39	3.137e+04	-1.261e+05	-
3.234e+06											
148	3	2.233e+06	4.156e+04	0.25	-1461.12	0.0	6.504e+04	-1.378e+04	-		
579.903	619e+04	4.156e+04	2.233e+06								
		-4.622e+05	-6.616e+04	0.02	0.0	92.9	6.504e+04	-1.451e+04	-579.90	3.619e+04	-
1.230e+04	9.191e+05										
					185.8	6.504e+04	-1.524e+04	-579.90	3.619e+04	-6.616e+04	-
4.622e+05											
148	6	3.133e+06	6.174e+04	0.42	-4078.96	0.0	9.932e+04	-1.891e+04	-		
906.334	519e+04	6.174e+04	3.133e+06								
		-7.589e+05	-1.066e+05	0.02	0.0	92.9	9.932e+04	-2.095e+04	-906.33	4.519e+04	-
2.244e+04	1.282e+06										
					185.8	9.932e+04	-2.299e+04	-906.33	4.519e+04	-1.066e+05	-
7.589e+05											
148	21	1.736e+05	5329.57	0.13	-2095.56	0.0	1.613e+04	-1038.57	-		
130.096	58.755	329.571	7.36e+05								
		-1.974e+05	-1.886e+04	3.44e-03	0.0	92.9	1.613e+04	-2086.35	-130.09	658.75	-
6766.113	678e+04										
					185.8	1.613e+04	-3134.13	-130.09	658.75	-1.886e+04	-
1.974e+05											
148	24	1.923e+05	4998.89	0.13	-2095.56	0.0	1.915e+04	-779.85	-118.27	-	
3997.52	4998.89	1.923e+05									
		-1.637e+05	-1.694e+04	1.17e-03	0.0	92.9	1.915e+04	-1827.63	-118.27	-3997.52	-
5971.906	296e+04										
					185.8</						



1.698e+05						185.8	1.856e+04	-2921.22	-120.30	-3284.06	-1.727e+04	-
148	57	1.930e+05	5415.15	0.14	-2095.56	0.0	1.712e+04	-1072.20	-			
133.483416.985415.151.930e+05												
		-1.982e+05	-1.940e+04	5.47e-03	0.0	92.9	1.712e+04	-2119.98	-133.48	3416.98		-
6991.944.604e+04												
						185.8	1.712e+04	-3167.76	-133.48	3416.98	-1.940e+04	-
1.982e+05												
148	63	1.977e+05	5385.02	0.14	-2095.56	0.0	1.758e+04	-1050.29	-			
132.503330.365385.021.977e+05												
		-1.950e+05	-1.924e+04	5.45e-03	0.0	92.9	1.758e+04	-2098.07	-132.50	3330.36		-
6928.394.996e+04												
						185.8	1.758e+04	-3145.85	-132.50	3330.36	-1.924e+04	-
1.950e+05												
148	65	1.920e+05	5364.37	0.14	-2095.56	0.0	1.702e+04	-1067.88	-			
133.233132.035364.371.920e+05												
		-1.984e+05	-1.940e+04	5.38e-03	0.0	92.9	1.702e+04	-2115.66	-133.23	3132.03		-
7019.594.546e+04												
						185.8	1.702e+04	-3163.44	-133.23	3132.03	-1.940e+04	-
1.984e+05												
148	69	1.916e+05	5364.25	0.14	-2095.56	0.0	1.700e+04	-1069.37	-			
133.053155.635364.251.916e+05												
		-1.987e+05	-1.937e+04	5.34e-03	0.0	92.9	1.700e+04	-2117.15	-133.05	3155.63		-
7003.514.510e+04												
						185.8	1.700e+04	-3164.93	-133.05	3155.63	-1.937e+04	-
1.987e+05												
148	73	1.546e+06	2.911e+04	0.20	-1542.61	0.0	4.851e+04	-9492.70	-			
420.032.398e+042.911e+04 1.546e+06												
		-3.606e+05	-4.891e+04	0.01	0.0	92.9	4.851e+04	-1.026e+04	-420.03	2.398e+04		-
9901.386.285e+05												
						185.8	4.851e+04	-1.104e+04	-420.03	2.398e+04	-4.891e+04	-
3.606e+05												
148	76	2.101e+06	4.143e+04	0.29	-2832.82	0.0	6.749e+04	-1.268e+04	-			
611.523.006e+044.143e+04 2.101e+06												
		-5.178e+05	-7.216e+04	0.02	0.0	92.9	6.749e+04	-1.410e+04	-611.52	3.006e+04		-
1.537e+048.574e+05												
						185.8	6.749e+04	-1.551e+04	-611.52	3.006e+04	-7.216e+04	-
5.178e+05												
148	77	5.188e+05	1.036e+04	0.13	-1542.61	0.0	2.348e+04	-3107.99	-			
177.535847.831.036e+045.188e+05												
		-2.018e+05	-2.262e+04	4.01e-03	0.0	92.9	2.348e+04	-3879.29	-177.53	5847.83		-
6131.211.943e+05												
						185.8	2.348e+04	-4650.60	-177.53	5847.83	-2	



149	19	1.931e+05	2109.75	0.14	-2284.73	0.0	2.122e+04	-578.74	-		
33.29571.212109.751.931e+05											
		-1.234e+05	-4051.03	2.29e-03	0.0	92.9	2.122e+04	-1721.11	-33.29	571.21	-
970.648.792e+04											
						185.8	2.122e+04	-2863.47	-33.29	571.21	-4051.03
1.234e+05											
149	21	1.647e+05	2239.04	0.13	-2284.73	0.0	1.879e+04	-460.78	-		
37.28975.742239.041.647e+05											
		-1.364e+05	-4730.55	1.99e-03	0.0	92.9	1.879e+04	-1603.14	-37.28	975.74	-
1245.756.723e+04											
						185.8	1.879e+04	-2745.51	-37.28	975.74	-4730.55
1.364e+05											
149	24	1.915e+05	1352.41	0.14	-2284.73	0.0	2.125e+04	-558.03	-21.04	-	
3401.201352.411.915e+05											
		-1.210e+05	-2510.44	-1.31e-03	0.0	92.9	2.125e+04	-1700.39	-21.04	-3401.20	-
579.018.829e+04											
						185.8	2.125e+04	-2842.75	-21.04	-3401.20	-2510.44
1.210e+05											
149	29	1.766e+05	3232.52	0.14	-2284.73	0.0	1.962e+04	-526.14	-		
51.575682.643232.521.766e+05											
		-1.343e+05	-6394.47	6.41e-03	0.0	92.9	1.962e+04	-1668.50	-51.57	5682.64	-
1580.987.417e+04											
						185.8	1.962e+04	-2810.87	-51.57	5682.64	-6394.47
1.343e+05											
149	51	1.872e+05	2029.04	0.14	-2284.73	0.0	2.074e+04	-551.73	-		
32.3490.602029.041.872e+05											
		-1.257e+05	-3964.50	1.71e-03	0.0	92.9	2.074e+04	-1694.09	-32.34	90.60	-
967.738.381e+04											
						185.8	2.074e+04	-2836.45	-32.34	90.60	-3964.50
1.257e+05											
149	53	1.702e+05	2096.42	0.14	-2284.73	0.0	1.928e+04	-481.76	-		
34.57310.042096.421.702e+05											
		-1.334e+05	-4350.88	1.55e-03	0.0	92.9	1.928e+04	-1624.12	-34.57	310.04	-
1127.237.145e+04											
						185.8	1.928e+04	-2766.49	-34.57	310.04	-4350.88
1.334e+05											
149	56	1.861e+05	1495.03	0.14	-2284.73	0.0	2.076e+04	-537.05	-23.75	-	
2735.511495.031.861e+05											
		-1.240e+05	-2890.11	-8.50e-04	0.0	92.9	2.076e+04	-1679.41	-23.75	-2735.51	-
697.548.407e+04											
						185.8	2.076e+04	-2821.77	-23.75	-2735.51	-2890.11
1.240e+05											
149	61	1.775e+05	2806.91	0.14	-2284.73	0.0	1.978e+04	-523.28	-		
44.823682.512806.911.775e+05											
		-1.325e+05	-5544.05	4.67e-03	0.0	92.9	1.978e+04	-1665.65	-44.82	3682.51	-</



[illegible]



1.431e+05						185.8	1.985e+04	-2991.48	35.85	-5083.45	4119.96	-
150	73	1.567e+06	8917.45	0.20	-1542.61	0.0	5.998e+04	-7883.66	92.70	-7423.92	-	
8302.011	567e+06	-4.044e+04	-8302.01	-4.01e-03	0.0	92.9	5.998e+04	-8654.97	92.70	-		
7423.92	307.72	7.992e+05				185.8	5.998e+04	-9426.27	92.70	-7423.92	8917.45	-
4.044e+04						0.0	7.306e+04	-7986.05	105.79	-9435.10	-	
150	74	1.730e+06	9826.97	0.29	-4646.88	0.0	7.306e+04	-7986.05	105.79	-9435.10	-	
9822.981	730e+06	-1.855e+05	-9822.98	-4.67e-03	0.0	92.9	7.306e+04	-1.031e+04	105.79	-		
9435.10	1.99	8.799e+05				185.8	7.306e+04	-1.263e+04	105.79	-9435.10	9826.97	-
1.855e+05						0.0	8.374e+04	-1.043e+04	127.34	-1.144e+04	-	
150	76	2.158e+06	1.189e+04	0.30	-3715.60	0.0	8.374e+04	-1.043e+04	127.34	-1.144e+04	-	
1.177e+042	158e+06	-1.235e+05	-1.177e+04	-5.74e-03	0.0	92.9	8.374e+04	-1.228e+04	127.34	-		
1.144e+04	58.79	1.104e+06				185.8	8.374e+04	-1.414e+04	127.34	-1.144e+04	1.189e+04	-
1.235e+05						0.0	2.785e+04	-2449.17	36.65	-1675.27	-	
150	77	5.172e+05	3788.59	0.14	-1542.61	0.0	2.785e+04	-2449.17	36.65	-1675.27	-	
3019.485	172e+05	-8.102e+04	-3019.48	-1.23e-03	0.0	92.9	2.785e+04	-3220.48	36.65	-		
1675.27	384.55	2.539e+05				185.8	2.785e+04	-3991.78	36.65	-1675.27	3788.59	-
8.102e+04						0.0	3.439e+04	-2500.37	43.19	-2680.86	-	
150	78	5.983e+05	4243.35	0.18	-3094.75	0.0	3.439e+04	-2500.37	43.19	-2680.86	-	
3779.975	983e+05	-1.535e+05	-3779.97	-1.55e-03	0.0	92.9	3.439e+04	-4047.74	43.19	-		
2680.86	231.69	2.943e+05				185.8	3.439e+04	-5595.11	43.19	-2680.86	4243.35	-
1.535e+05						0.0	6.390e+04	-7914.38	96.63	-8027.27	-	
150	80	1.616e+06	9190.30	0.23	-2473.89	0.0	6.390e+04	-7914.38	96.63	-8027.27	-	
8758.301	616e+06	-8.395e+04	-8758.30	-4.21e-03	0.0	92.9	6.390e+04	-9151.33	96.63	-		
8027.27	216.00	8.234e+05				185.8	6.390e+04	-1.039e+04	96.63	-8027.27	9190.30	-
8.395e+04						0.0	2.785e+04	-2449.17	36.65	-1675.27	-	
150	81	5.172e+05	3788.59	0.14	-1542.61	0.0	2.785e+04	-2449.17	36.65	-1675.27	-	
3019.485	172e+05	-8.102e+04	-3019.48	-1.23e-03	0.0	92.9	2.785e+04	-3220.48	36.65	-		
1675.27	384.55	2.539e+05				185.8	2.785e+04	-3991.78	36.65	-1675.27	3788.59	-
8.102e+04						0.0	3.177e+04	-2479.89	40.58	-2278.63	-	
150	82	5.659e+05	4061.44	0.16	-2473.89	0.0	3.177e+04	-2479.89	40.58	-2278.63	-	
3475.775	659e+05	-1.245e+05	-3475.77	-1.42e-03	0.0	92.9	3.177e+04	-3716.83	40.58	-		
2278.63	292.83	2.781e+05				185.8	3.177e+04	-4953.78	40.58	-2278.63	4061.44	-
1.245e+05						0.0	6.504e+04	-1.378e+04	579.90</			



151	30	2.099e+05	1.922e+04	0.14	-2473.89	0.0	1.696e+04	-1146.34	133.27	-6953.57	-
5569.122.099e+05											
		-2.286e+05	-5569.12	-7.02e-03	0.0	92.9	1.696e+04	-2383.28	133.27	-	
6953.576826.93 4.808e+04											
						185.8	1.696e+04	-3620.23	133.27	-6953.57	1.922e+04 -
2.286e+05											
151	34	2.078e+05	1.917e+04	0.14	-2473.89	0.0	1.678e+04	-1142.82	132.59	-6593.62	-
5496.802.078e+05											
		-2.293e+05	-5496.80	-6.81e-03	0.0	92.9	1.678e+04	-2379.76	132.59	-	
6593.626836.67 4.668e+04											
						185.8	1.678e+04	-3616.71	132.59	-6593.62	1.917e+04 -
2.293e+05											
151	38	2.085e+05	1.923e+04	0.14	-2473.89	0.0	1.682e+04	-1140.21	132.91	-6552.36	-
5497.462.085e+05											
		-2.288e+05	-5497.46	-6.88e-03	0.0	92.9	1.682e+04	-2377.16	132.91	-	
6552.366865.17 4.727e+04											
						185.8	1.682e+04	-3614.11	132.91	-6552.36	1.923e+04 -
2.288e+05											
151	46	1.913e+05	1.768e+04	0.14	-2473.89	0.0	1.683e+04	-997.89	123.66	-1410.93	-
5308.921.913e+05											
		-2.141e+05	-5308.92	-3.11e-03	0.0	92.9	1.683e+04	-2234.83	123.66	-	
1410.936184.23 4.604e+04											
						185.8	1.683e+04	-3471.78	123.66	-1410.93	1.768e+04 -
2.141e+05											
151	47	2.014e+05	1.642e+04	0.14	-2473.89	0.0	1.867e+04	-830.80	115.91	1818.43	-
5097.882.014e+05											
		-1.925e+05	-5097.88	-1.46e-03	0.0	92.9	1.867e+04	-	-	-	
2067.74 115.91 1818.43 5659.51 6.188e+04											
						185.8	1.867e+04	-3304.69	115.91	1818.43	1.642e+04 -
1.925e+05											
151	60	2.110e+05	1.839e+04	0.14	-2473.89	0.0	1.769e+04	-1055.42	128.10	-4795.99	-
5424.192.110e+05											
		-2.178e+05	-5424.19	-5.52e-03	0.0	92.9	1.769e+04	-2292.37	128.10	-	
4795.996481.25 5.405e+04											
						185.8	1.769e+04	-3529.31	128.10	-4795.99	1.839e+04 -
2.178e+05											
151	62	2.064e+05	1.854e+04	0.14	-2473.89	0.0	1.723e+04	-1077.34	129.09	-4882.61	-
5454.322.064e+05											
		-2.210e+05	-5454.32	-5.53e-03	0.0	92.9	1.723e+04	-2314.28	129.09	-	
4882.616544.81 5.013e+04											
						185.8	1.723e+04	-3551.23	129.09	-4882.61	1.854e+04 -
2.210e+05											
151	66	2.050e+05	1.852e+04	0.14	-2473.89	0.0	1.711e+04	-1074.50	128.66	-4621.26	-
5403.432.050e+05											
		-2.215e+05	-5403.43	-5.40e-03	0.0	92.9	1.711e+04	-2311.45	128.66	-	
4621.266556.38 4.919e+04											
						185.8	1.711e+04	-3548.40	128.66	-4621.26	1.852e+04 -
2.215e+05											
151	70	2.054e+05	1.855e+04	0.14	-2473.89	0.0	1.713e+04	-1073.02	128.84	-4597.66	-
5403.542.054e+05											
		-2.212e+05	-5403.54	-5.44e-03	0.0	92.9	1.713e+04	-2309.96	128.84	-	
4597.666572.45 4.955e+04											
						185.8	1.713e+04	-3546.91	128.84	-4597.66	1.855e+04 -
2.212e+05											
151	73	1.546e+06	4.891e+04	0.20	-1542.61	0.0	4.851e+04	-9492.70	420.03	-2.398e+04	-
2.911e+041.546e+06											
		-3.606e+05	-2.911e+04	-0.01	0.0	92.9	4.851e+04	-1.026e+04	420.03	-	
2.398e+049901.386.285e+05											
						185.8	4.851e+04	-1.104e+04	420.03	-2.398e+04	4.891e+04 -
3.606e+05											
151	76	2.132e+06	7.017e+04	0.30	-3715.60	0.0	6.775e+04	-1.269e+04	601.27	-3.348e+04	-
4.152e+042.132e+06											
		-5.708e+05	-4.152e+04	-0.02	0.0	92.9	6.775e+04	-1.455e+04	601.27	-	
3.348e+041.433e+048.669e+05											
						185.8	6.775e+04	-1.641e+04	601.27	-3.348e+04	7.017e+04 -
5.708e+05											
151	77	5.188e+05	2.262e+04	0.13	-1542.61	0.0	2.348e+04	-3107.99	177.53	-5847.83	-
1.036e+045.188e+05											
		-2.018e+05	-1.036e+04	-4.01e-03	0.0	92.9	2.348e+04	-3879.29	177.53	-	
5847.836131.21 1.943e+05											
						185.8	2.348e+04	-4650.60	177.53	-5847.83	2.262e+04 -
2.018e+05											
151	80	1.597e+06	5.290e+04	0.23	-2473.89	0.0	5.188e+04	-9620.76	450.47	-2.452e+04	-
3.077e+041.597e+06											
		-4.198e+05	-3.077e+04	-0.01	0.0	92.9	5.188e+04	-1.086e+04	450.47	-	
2.452e+041.106e+046.461e+05											
						185.8	5.188e+04	-1.209e+04	450.47	-2.452e+04	5.290e+04 -
4.198e+05											
151	81	5.188e+05	2.262e+04	0.13	-1542.61	0.0	2.348e+04	-3107.99	177.53	-5847.83	-
1.036e+045.188e+05											



		-2.018e+05	-1.036e+04	-4.01e-03	0.0	92.9	2.348e+04	-3879.29	177.53	-		
5847.836131.21	1.943e+05											
						185.8	2.348e+04	-4650.60	177.53	-5847.83	2.262e+04	-
2.018e+05												
151	82	5.699e+05	2.661e+04	0.16	-2473.89	0.0	2.685e+04	-3236.05	207.97	-6389.37	-	
1.202e+04	5.699e+05											
		-2.610e+05	-1.202e+04	-4.68e-03	0.0	92.9	2.685e+04	-4473.00	207.97	-		
6389.37	7292.84	2.119e+05										
						185.8	2.685e+04	-5709.95	207.97	-6389.37	2.661e+04	-
2.610e+05												

Trave	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	N	V 2	V 3	T
	-2.779e+07	-1.516e+06	-0.58	-1.763e+04	-3.903e+05	-1.455e+05	-7397.75	-1.083e+06
	2.097e+07	1.632e+06	1.24	0.0	2.353e+05	1.267e+05	7704.82	1.033e+06