

COMUNE DI EMPOLI CITTA' METROPOLITANA DI FIRENZE

REALIZZAZIONE DELLA NUOVA SCUOLA PRIMARIA IN VIA LIGURIA AD EMPOLI



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COMUNE DI EMPOLI

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TITOLO FASCICOLO DEI CALCOLI - CORPO B

COMMESSA	ELABORATO	REVISIONE
C51E	SRB5	A

SCALA

CODICE COMMESSA C51E_SRB5A

REV.N	DATA	MOTIVO DELLA EMISSIONE	ESEGUITO	CONTROLLATO	APPROVATO
A	SET. 2021	PROGETTO ESECUTIVO		F.ARDINO	F.FRAPPI

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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.

Completare

Descrizione generale dell'opera

Completare

Descrizione generale dell'opera	
Fabbricato ad uso	
Ubicazione	Comune di EMPOLI (FI) (Regione TOSCANA)
	Località EMPOLI (FI)
	Longitudine 10.962, Latitudine 43.726
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	
Pilastrini	
Pilastrini in falso	
Tipo di fondazione	
Condizioni per cui è necessario considerare la componente verticale del sisma	

Parametri della struttura			
Classe d'uso	Vita Vn [anni]	Coeff. Uso	Periodo Vr [anni]
IV	50.0	2.0	100.0

Fattore di struttura/comportamento
Completare

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

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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

Azioni di progetto sulla costruzione

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

Nel prosieguo si indicano 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:

$$\mathbf{K} * \mathbf{u} = \mathbf{F} \text{ dove}$$

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 TRUSS	(biella-D2)
Elemento tipo BEAM	(trave-D2)
Elemento tipo MEMBRANE	(membrana-D3)
Elemento tipo PLATE	(piastra-guscio-D3)
Elemento tipo BOUNDARY	(molla)
Elemento tipo STIFFNESS	(matrice di rigidezza)
Elemento tipo BRICK	(elemento solido)
Elemento tipo SOLAIO	(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

Completare

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:

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Informazioni sul codice di calcolo

Titolo:	PRO_SAP PROfessional Structural Analysis Program
Versione:	PROFESSIONAL (build 2021-05-192)
Produttore-Distributore:	2S.I. Software e Servizi per l'Ingegneria s.r.l., Ferrara
Dati utente finale:	***** COMPLETARE *****
Codice Utente:	***** COMPLETARE *****
Codice Licenza:	Licenza dsi5654

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:

Affidabilità dei codici utilizzati

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:
<https://www.2si.it/it/prodotti/affidabilita/>

Modellazione della geometria e proprietà meccaniche:

nodi	135
elementi D2 (per aste, travi, pilastri...)	222
elementi D3 (per pareti, platee, gusci...)	0
elementi solaio	122
elementi solidi	0

Dimensione del modello strutturale [cm]:

X min =	0.00
Xmax =	2570.00
Ymin =	-75.00
Ymax =	2665.00
Zmin =	0.00
Zmax =	838.00

Strutture verticali:

Elementi di tipo asta	NO
Pilastri	SI
Pareti	NO
Setti (a comportamento membranale)	NO

Strutture non verticali:

Elementi di tipo asta	NO
Travi	SI
Gusci	NO
Membrane	NO

Orizzontamenti:

Solai con la proprietà piano rigido	SI
Solai senza la proprietà piano rigido	SI

Tipo di vincoli:

Nodi vincolati rigidamente	NO
Nodi vincolati elasticamente	NO

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Nodi con isolatori sismici	NO
Fondazioni puntuali (plinti/plinti su palo)	NO
Fondazioni di tipo trave	SI
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

I risultati devono costituire una sintesi completa ed efficace, presentata in modo da riassumere il comportamento della struttura, per ogni tipo di analisi svolta.

Nella presente relazione di calcolo sono riportati i seguenti risultati che il progettista ritiene di interesse per la descrizione e la comprensione del/i modello/i e del comportamento della struttura:

per l'analisi modale:

- periodi dei modi di vibrare della struttura
- masse eccitate dai singoli modi
- massa eccitata totale

deformate e sollecitazioni:

- spostamenti e rotazioni dei singoli nodi della struttura
- reazioni vincolari (nel caso siano presenti nodi vincolati rigidamente)
- pressioni sul terreno (nel caso siano presenti elementi di fondazione)
- sollecitazioni sugli elementi d2 nelle combinazioni di calcolo più significative
- tensioni sugli elementi d3 nelle combinazioni di calcolo più significative
- sollecitazioni sui macroelementi da elementi d3 nelle combinazioni di calcolo più significative

altri risultati significativi:

- ***Completare***

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

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- 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 involuipi 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.) .

Completare

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 fatica, 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 riportata informazioni esaustive relative all'elenco dei materiali impiegati e loro modalità di posa in opera e ai valori di calcolo.

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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, pesi 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.

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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.

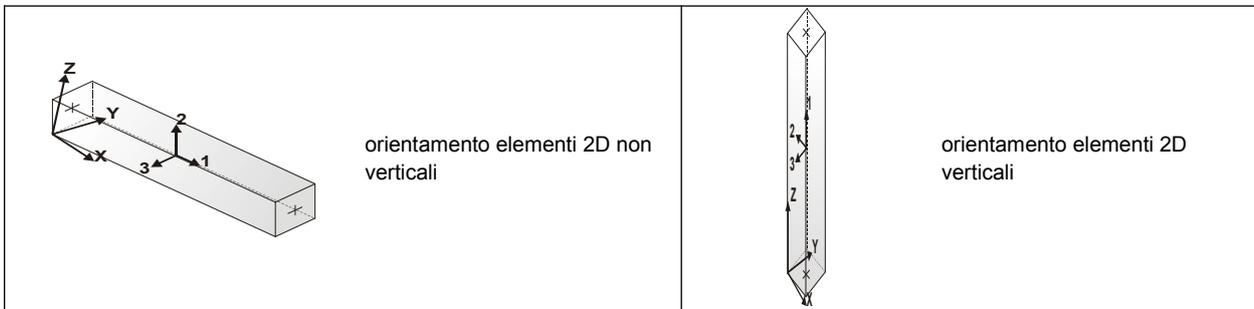
MODELLAZIONE STRUTTURA: ELEMENTI TRAVE

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.



In particolare per ogni elemento viene indicato in tabella:

Elem.	numero dell'elemento
Note	codice di comportamento: trave, trave di fondazione, pilastro, asta, asta tesa, asta compressa,
Nodo I (J)	numero del nodo iniziale (finale)
Mat.	codice del materiale assegnato all'elemento
Sez.	codice della sezione assegnata all'elemento
Rotaz.	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
Svincolo I (J)	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)
Wink V	costante di sottofondo (coefficiente di Winkler) per la modellazione della trave su suolo elastico
Wink O	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico orizzontale

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Elem. Wink O	Note	Nodo I	Nodo J	Mat.	Sez.	Crit.	Rotaz.	Svincolo I	Svincolo J	Wink V
							gradi			daN/cm3
1	Trave f.	5	6	1	15	2				1.25 0.66
2	Trave f.	18	24	1	15	2				1.25 0.66
3	Trave f.	35	36	1	15	2				1.25 0.66
4	Trave f.	15	21	1	15	2				1.25 0.66
5	Trave	14	20	1	10	2				
6	Trave f.	13	19	1	16	2				1.33 0.70
7	Trave f.	24	30	1	15	2				1.25 0.66
8	Trave f.	21	27	1	15	2				1.25 0.66
9	Trave	20	26	1	10	2				
10	Trave f.	19	25	1	16	2				1.33 0.70
11	Trave f.	30	36	1	15	2				1.25 0.66
12	Trave f.	27	33	1	15	2				1.25 0.66
13	Trave	26	32	1	10	2				
14	Trave f.	25	31	1	16	2				1.33 0.70
15	Pilas.	12	44	5	1	3				
16	Pilas.	44	29	5	1	3				
17	Pilas.	18	48	5	1	3				
18	Pilas.	48	47	5	1	3				
19	Pilas.	24	52	5	1	3				
20	Pilas.	52	55	5	1	3				
21	Pilas.	30	56	5	1	3				
22	Pilas.	56	46	5	1	3				
23	Pilas.	9	41	5	1	3				
24	Pilas.	41	22	5	1	3				
25	Pilas.	15	45	5	1	3				
26	Pilas.	45	42	5	1	3				
27	Pilas.	21	49	5	1	3				
28	Pilas.	49	50	5	1	3				
29	Pilas.	27	53	5	1	3				
30	Pilas.	53	23	5	1	3				
31	Pilas.	6	40	5	2	3				
32	Pilas.	40	17	5	2	3				
33	Pilas.	3	37	5	2	3				
34	Pilas.	37	122	5	2	3				
35	Pilas.	33	57	5	2	3				
36	Pilas.	57	123	5	2	3				
37	Pilas.	36	60	5	2	3				
38	Pilas.	60	43	5	2	3				
39	Pilas.	4	38	5	3	3				
40	Pilas.	38	11	5	3	3				
41	Pilas.	5	39	5	3	3				
42	Pilas.	39	16	5	3	3				
43	Pilas.	34	58	5	3	3				
44	Pilas.	58	54	5	3	3				
45	Pilas.	35	59	5	3	3				
46	Pilas.	59	28	5	3	3				
47	Trave	17	61	5	11	3				
48	Trave	29	62	5	11	3				
49	Trave	47	63	5	11	3				
50	Trave	55	64	5	11	3				
51	Trave	46	65	5	11	3				
52	Trave	10	66	5	11	3				
53	Trave	22	67	5	11	3				
54	Trave	42	68	5	11	3				
55	Trave	50	69	5	11	3				
56	Trave	23	70	5	11	3				
57	Trave	37	38	5	12	3				
58	Trave	38	74	5	12	3				
59	Trave	39	40	5	12	3				

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60	Trave	40	44	5	12	3		
61	Trave	44	48	5	12	3		
62	Trave	48	52	5	12	3		
63	Trave	52	56	5	12	3		
64	Trave	56	60	5	12	3		
65	Trave	59	60	5	12	3		
66	Trave	58	75	5	12	3		
67	Trave	57	58	5	12	3		
68	Trave	10	11	5	11	3		
69	Trave	11	76	5	11	3		
70	Trave	16	17	5	11	3		
71	Trave	51	54	5	11	3		
72	Trave	54	77	5	11	3		
73	Trave	28	43	5	11	3		
74	Trave	61	29	5	11	3		
75	Trave	62	47	5	11	3		
76	Trave	63	55	5	11	3		
77	Trave	64	46	5	11	3		
78	Trave	65	43	5	11	3		
79	Trave	66	22	5	11	3		
80	Trave	67	42	5	11	3		
81	Trave	68	50	5	11	3		
82	Trave	69	23	5	11	3		
83	Trave	70	51	5	11	3		
84	Trave	70	72	131	21	1	000001	
85	Trave	71	65	131	21	1		000001
86	Trave	72	73	131	21	1		
87	Trave	73	71	131	21	1		
88	Trave	74	39	5	12	3		
89	Trave	75	59	5	12	3		
90	Trave	76	16	5	11	3		
91	Trave	77	28	5	11	3		
92	Trave	23	80	131	21	1	000001	
93	Trave	79	46	131	21	1		000001
94	Trave	80	81	131	21	1		
95	Trave	81	79	131	21	1		
96	Trave	69	84	131	21	1	000001	
97	Trave	83	64	131	21	1		000001
98	Trave	84	85	131	21	1		
99	Trave	85	83	131	21	1		
100	Trave	50	88	131	21	1	000001	
101	Trave	87	55	131	21	1		000001
102	Trave	88	89	131	21	1		
103	Trave	89	87	131	21	1		
104	Trave	68	92	131	21	1	000001	
105	Trave	91	63	131	21	1		000001
106	Trave	92	93	131	21	1		
107	Trave	93	91	131	21	1		
108	Trave	42	96	131	21	1	000001	
109	Trave	128	117	5	12	3		
110	Trave	96	97	131	21	1		
111	Trave	129	116	5	12	3		
112	Trave	67	100	131	21	1	000001	
113	Trave	99	62	131	21	1		000001
114	Trave	100	101	131	21	1		
115	Trave	101	99	131	21	1		
116	Trave	22	86	131	21	1	000001	
117	Trave	82	29	131	21	1		000001
118	Trave	86	90	131	21	1		
119	Trave	90	82	131	21	1		
120	Trave	66	78	131	21	1	000001	
121	Trave	98	61	131	21	1		000001
122	Trave	78	94	131	21	1		
123	Trave	94	98	131	21	1		
124	Trave	5	102	1	10	2		
125	Trave	4	106	1	10	2		

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126	Trave f.	27	109	1	16	2	1.33 0.70
127	Trave f.	21	108	1	16	2	1.33 0.70
128	Trave f.	15	107	1	16	2	1.33 0.70
129	Trave f.	9	106	1	16	2	1.33 0.70
130	Trave f.	3	4	1	15	2	1.25 0.66
131	Trave f.	6	12	1	15	2	1.25 0.66
132	Trave f.	33	34	1	15	2	1.25 0.66
133	Trave f.	3	9	1	15	2	1.25 0.66
134	Trave	2	8	1	10	2	
135	Trave f.	1	7	1	16	2	1.33 0.70
136	Trave f.	31	32	1	15	2	1.25 0.66
137	Trave f.	25	26	1	16	2	1.33 0.70
138	Trave f.	19	20	1	16	2	1.33 0.70
139	Trave f.	13	14	1	16	2	1.33 0.70
140	Trave f.	7	8	1	16	2	1.33 0.70
141	Trave f.	1	2	1	15	2	1.25 0.66
142	Trave f.	4	5	1	15	2	1.25 0.66
143	Trave f.	12	18	1	15	2	1.25 0.66
144	Trave f.	34	35	1	15	2	1.25 0.66
145	Trave f.	9	15	1	15	2	1.25 0.66
146	Trave	8	14	1	10	2	
147	Trave f.	7	13	1	16	2	1.33 0.70
148	Trave f.	32	33	1	15	2	1.25 0.66
149	Trave f.	26	27	1	16	2	1.33 0.70
150	Trave f.	20	21	1	16	2	1.33 0.70
151	Trave f.	14	15	1	16	2	1.33 0.70
152	Trave f.	8	9	1	16	2	1.33 0.70
153	Trave f.	2	3	1	15	2	1.25 0.66
154	Trave	102	103	1	10	2	
155	Trave	106	107	1	10	2	
156	Trave f.	105	30	1	16	2	1.33 0.70
157	Trave f.	104	24	1	16	2	1.33 0.70
158	Trave f.	103	18	1	16	2	1.33 0.70
159	Trave f.	102	12	1	16	2	1.33 0.70
160	Trave f.	109	105	1	16	2	1.33 0.70
161	Trave f.	108	104	1	16	2	1.33 0.70
162	Trave f.	107	103	1	16	2	1.33 0.70
163	Trave f.	106	102	1	16	2	1.33 0.70
164	Trave	103	104	1	10	2	
165	Trave	107	108	1	10	2	
166	Trave	104	105	1	10	2	
167	Trave	108	109	1	10	2	
168	Trave	105	35	1	10	2	
169	Trave	109	34	1	10	2	
170	Pilas.	7	111	5	5	3	
171	Pilas.	13	112	5	5	3	
172	Pilas.	19	113	5	5	3	
173	Pilas.	1	110	5	4	3	
174	Pilas.	25	114	5	5	3	
175	Pilas.	2	116	5	3	3	
176	Pilas.	8	117	5	3	3	
177	Pilas.	14	118	5	3	3	
178	Pilas.	20	119	5	3	3	
179	Pilas.	26	120	5	3	3	
180	Pilas.	32	121	5	3	3	
181	Pilas.	31	115	5	4	3	
182	Trave	115	124	5	12	3	
183	Trave	114	125	5	12	3	
184	Trave	113	126	5	12	3	
185	Trave	112	127	5	12	3	
186	Trave	111	128	5	12	3	
187	Trave	110	129	5	12	3	
188	Trave	121	123	5	12	3	
189	Trave	120	53	5	14	3	
190	Trave	119	49	5	14	3	
191	Trave	118	45	5	14	3	

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192	Trave	117	41	5	14	3
193	Trave	116	122	5	12	3
194	Pilas.	122	10	5	2	3
195	Pilas.	123	51	5	2	3
196	Trave	122	41	5	12	3
197	Trave	41	45	5	12	3
198	Trave	45	49	5	12	3
199	Trave	49	53	5	12	3
200	Trave	53	123	5	12	3
201	Trave	110	111	5	12	3
202	Trave	111	112	5	12	3
203	Trave	112	113	5	12	3
204	Trave	113	114	5	12	3
205	Trave	114	115	5	12	3
206	Trave	116	117	5	14	3
207	Trave	117	118	5	14	3
208	Trave	118	119	5	14	3
209	Trave	119	120	5	14	3
210	Trave	120	121	5	14	3
211	Trave	124	121	5	12	3
212	Trave	125	120	5	12	3
213	Trave	126	119	5	12	3
214	Trave	127	118	5	12	3
215	Trave	97	95	131	21	1
216	Trave	95	47	131	21	1
217	Trave	135	115	5	18	3
218	Trave	134	114	5	18	3
219	Trave	133	113	5	18	3
220	Trave	132	112	5	18	3
221	Trave	131	111	5	18	3
222	Trave	130	110	5	18	3

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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	carico concentrato nodale 6 dati (forza Fx, Fy, Fz, momento Mx, My, Mz)
2	spostamento nodale impresso 6 dati (spostamento Tx, Ty, Tz, rotazione Rx, Ry, Rz)
3	carico distribuito globale su elemento tipo trave 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	carico distribuito locale su elemento tipo trave 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	carico concentrato globale su elemento tipo trave 7 dati (Fx, Fy, Fz, Mx, My, Mz, ascissa di carico)
6	carico concentrato locale su elemento tipo trave 7 dati (F1, F2, F3, M1, M2, M3, ascissa di carico)
7	variazione termica applicata ad elemento tipo trave 7 dati (variazioni termiche: uniforme, media e differenza in altezza e larghezza al nodo iniziale e finale)
8	carico di pressione uniforme su elemento tipo piastra 1 dato (pressione)
9	carico di pressione variabile su elemento tipo piastra 4 dati (pressione, quota, pressione, quota)
10	variazione termica applicata ad elemento tipo piastra 2 dati (variazioni termiche: media e differenza nello spessore)
11	carico variabile generale su elementi tipo trave e piastra 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	gruppo di carichi con impronta su piastra 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)

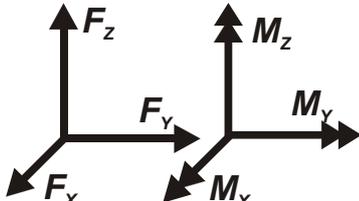
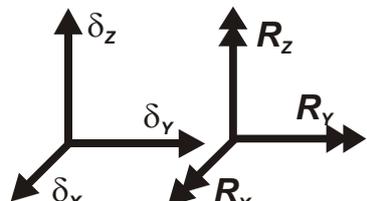
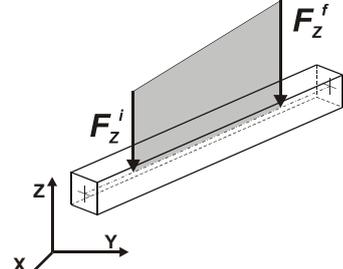
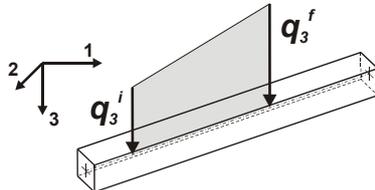
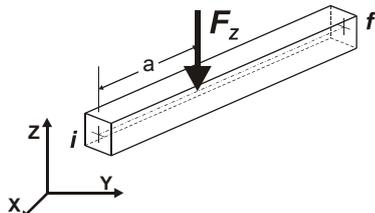
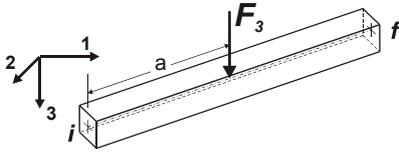
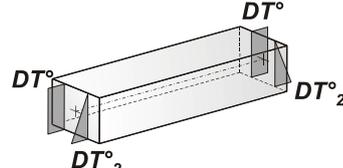
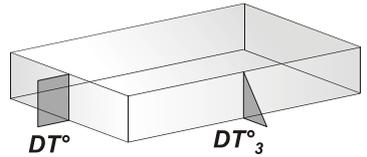
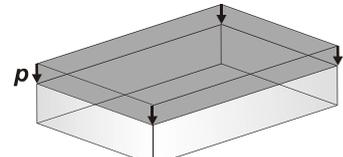
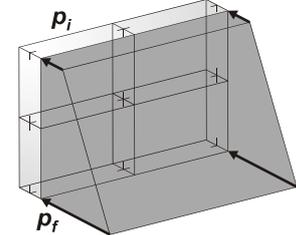
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 <p>Carico concentrato nodale</p>	 <p>Spostamento impresso</p>
 <p>Carico distribuito globale</p>	 <p>Carico distribuito locale</p>
 <p>Carico concentrato globale</p>	 <p>Carico concentrato locale</p>
 <p>Carico termico 2D</p>	 <p>Carico termico 3D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

Tipo	carico di pressione uniforme su piastra
-------------	--

Id	Tipo	pressione
		daN/ m2
7	QVK PAN ++ vento*0.4 (da personalizzare)-P3:p=3.200e-03	32.00
8	QVK PAN – vento*0.4 (da personalizzare)-P3:p=3.200e-03	32.00

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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

$$\gamma G_1 \cdot G_1 + \gamma G_2 \cdot G_2 + \gamma P \cdot P + \gamma Q_1 \cdot Q_{k1} + \gamma Q_2 \cdot \psi_{02} \cdot Q_{k2} + \gamma Q_3 \cdot \psi_{03} \cdot Q_{k3} + \dots$$

Combinazione caratteristica (rara) SLE

$$G_1 + G_2 + P + Q_{k1} + \psi_{02} \cdot Q_{k2} + \psi_{03} \cdot Q_{k3} + \dots$$

Combinazione frequente SLE

$$G_1 + G_2 + P + \psi_{11} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \psi_{23} \cdot Q_{k3} + \dots$$

Combinazione quasi permanente SLE

$$G_1 + G_2 + P + \psi_{21} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \psi_{23} \cdot Q_{k3} + \dots$$

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

$$E + G_1 + G_2 + P + \psi_{21} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \dots$$

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

$$G_1 + G_2 + A_d + P + \psi_{21} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \dots$$

Dove:

NTC 2018 Tabella 2.5.I

Destinazione d'uso/azione	ψ_0	ψ_1	ψ_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 ≤ 30 kN)	0,70	0,70	0,60
Categoria G Rimesse e parcheggi (autoveicoli > 30 kN)	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 ≤ 1000 m	0,50	0,20	0,00
Neve a quota > 1000 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 γ_f	EQU	A1	A2
Carichi permanenti	Favorevoli	γ_{G1}	0,9	1,0	1,0
	Sfavorevoli		1,1	1,3	1,0

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Carichi permanenti non strutturali (Non compiutamente definiti)	Favorevoli Sfavorevoli	γG_2	0,8 1,5	0,8 1,5	0,8 1,3
Carichi variabili	Favorevoli Sfavorevoli	γQ_i	0,0 1,5	0,0 1,5	0,0 1,3

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 9	
10	SLU	Comb. SLU A1 10	
11	SLU	Comb. SLU A1 11	
12	SLU	Comb. SLU A1 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	SLU	Comb. SLU A1 (SLV sism.) 41	
42	SLU	Comb. SLU A1 (SLV sism.) 42	
43	SLU	Comb. SLU A1 (SLV sism.) 43	
44	SLU	Comb. SLU A1 (SLV sism.) 44	
45	SLD(sis)	Comb. SLE (SLD Danno sism.) 45	
46	SLD(sis)	Comb. SLE (SLD Danno sism.) 46	

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38	1.00	1.00	1.00	1.00	0.60	0.0	-0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0										
39	1.00	1.00	1.00	1.00	0.60	0.0	0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0										
40	1.00	1.00	1.00	1.00	0.60	0.0	0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0										
41	1.00	1.00	1.00	1.00	0.60	0.0	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0										
42	1.00	1.00	1.00	1.00	0.60	0.0	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0										
43	1.00	1.00	1.00	1.00	0.60	0.0	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0										
44	1.00	1.00	1.00	1.00	0.60	0.0	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0										
45	1.00	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0
	0.0	0.0	0.0	0.0										
46	1.00	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0
	0.0	0.0	0.0	0.0										
47	1.00	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0
	0.0	0.0	0.0	0.0										
48	1.00	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0
	0.0	0.0	0.0	0.0										
49	1.00	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	-0.30
	0.0	0.0	0.0	0.0										
50	1.00	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	0.30
	0.0	0.0	0.0	0.0										
51	1.00	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	-0.30
	0.0	0.0	0.0	0.0										
52	1.00	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.30
	0.0	0.0	0.0	0.0										
53	1.00	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	-0.30	0.0
	0.0	0.0	0.0	0.0										
54	1.00	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.30	0.0
	0.0	0.0	0.0	0.0										
55	1.00	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.30	0.0
	0.0	0.0	0.0	0.0										
56	1.00	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.30	0.0
	0.0	0.0	0.0	0.0										
57	1.00	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30
	0.0	0.0	0.0	0.0										
58	1.00	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30
	0.0	0.0	0.0	0.0										
59	1.00	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30
	0.0	0.0	0.0	0.0										
60	1.00	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30
	0.0	0.0	0.0	0.0										
61	1.00	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0
	0.0	0.0	0.0	0.0										
62	1.00	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0
	0.0	0.0	0.0	0.0										
63	1.00	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0
	0.0	0.0	0.0	0.0										
64	1.00	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0
	0.0	0.0	0.0	0.0										
65	1.00	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	-1.00	0.0
	0.0	0.0	0.0	0.0										
66	1.00	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	1.00	0.0
	0.0	0.0	0.0	0.0										
67	1.00	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.30	-1.00	0.0

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):

ag: accelerazione orizzontale massima del terreno;

Fo: 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	50.0	2.0	100.0	C	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)

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

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

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

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

Td 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

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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:

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

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

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

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

I valori di S_s , T_B , T_C e T_D , sono riportati nella seguente Tabella

Tab. 3.2.VI - Valori dei parametri dello spettro di risposta elastico della componente verticale

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.	10.962	43.726	
20276	10.931	43.707	3.258
20277	11.000	43.708	3.603
20055	10.998	43.758	4.575
20054	10.929	43.757	4.371

SL	Pver	Tr	ag	Fo	T*c
		Anni	g		sec

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SLO	81.0	60.2	0.056	2.598	0.265
SLD	63.0	100.6	0.068	2.593	0.274
SLV	10.0	949.1	0.157	2.399	0.297
SLC	5.0	1949.6	0.195	2.401	0.304

SL	ag	S	Fo	Fv	Tb	Tc	Td
	g				sec	sec	sec
SLO	0.056	1.500	2.598	0.832	0.144	0.431	1.825
SLD	0.068	1.500	2.593	0.911	0.147	0.441	1.871
SLV	0.157	1.475	2.399	1.282	0.155	0.466	2.226
SLC	0.195	1.419	2.401	1.431	0.158	0.473	2.379

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RISULTATI ANALISI SISMICHE

LEGENDA TABELLA ANALISI SISMICHE

Il programma consente l'analisi di diverse configurazioni sismiche.

Sono previsti, infatti, i seguenti casi di carico:

9. Esk caso di carico sismico con analisi statica equivalente

10. Edk caso di carico sismico con analisi dinamica

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

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

Angolo di ingresso	Angolo di ingresso dell'azione sismica orizzontale
Fattore di importanza	Fattore di importanza dell'edificio, in base alla categoria di appartenenza
Zona sismica	Zona sismica
Accelerazione ag	Accelerazione orizzontale massima sul suolo
Categoria suolo	Categoria di profilo stratigrafico del suolo di fondazione
Fattore q	Fattore di struttura/di comportamento. Dipendente dalla tipologia strutturale
Amplificazione ND	Coefficiente di amplificazione q/q_{ND} 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 riduz. SLD	Fattore di riduzione dello spettro elastico per lo stato limite di danno
Periodo proprio T1	Periodo proprio di vibrazione della struttura
Coefficiente Lambda	Coefficiente dipendente dal periodo proprio T1 e dal numero di piani della struttura
Ordinata spettro $S_d(T1)$	Valore delle ordinate dello spettro di progetto per lo stato limite ultimo, componente orizzontale (verticale S_{vd})
Ordinata spettro $S_e(T1)$	Valore delle ordinate dello spettro elastico ridotta del fattore SLD per lo stato limite di danno, componente orizzontale (verticale S_{ve})
Ordinata spettro S (Tb-Tc)	Valore dell'ordinata dello spettro in uso nel tratto costante
numero di modi considerati	Numero di modi di vibrare della struttura considerati nell'analisi dinamica

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

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/L_s (per strutture a nucleo), indici di regolarità e/r secondo EC8 4.2.3.2
- azione sismica complessiva

b) analisi sismica dinamica con spettro di risposta:

- quota, posizione del centro di massa e massa risultante, posizione del baricentro delle rigidezze, rapporto r/L_s (per strutture a nucleo), indici di regolarità e/r secondo EC8 4.2.3.2
- frequenza, periodo, accelerazione spettrale, massa eccitata nelle tre direzioni globali per tutti i modi
- massa complessiva ed aliquota di massa complessiva eccitata.

Per ciascuna combinazione sismica definita SLD o SLO viene riportato il livello di deformazione ϵ_{dT} (dr) degli elementi strutturali

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verticali. Per semplicità di consultazione il livello è espresso anche in unità $1000 \cdot \eta T/h$ da confrontare direttamente con i valori forniti nella norma (es. 5 per edifici con tamponamenti collegati rigidamente alla struttura, 10.0 per edifici con tamponamenti collegati elasticamente, 3 per edifici in muratura ordinaria, 4 per edifici in muratura armata).

Qualora si applichi il D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento") l'analisi sismica dinamica può essere comprensiva di sollecitazione verticale contemporanea a quella orizzontale, nel qual caso è effettuata una sovrapposizione degli effetti in ragione della radice dei quadrati degli effetti stessi. Per ciascuna combinazione sismica - analisi effettuate con il D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento") - viene riportato il livello di deformazione ηT , ηP e ηD degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso in unità $1000 \cdot \eta T/h$ da confrontare direttamente con il valore 2 o 4 per la verifica.

Per gli edifici sismicamente isolati si riportano di seguito le verifiche condotte sui dispositivi di isolamento. Le verifiche sono effettuate secondo la circolare n.7/2019 del C.S.LL.PP nelle combinazioni in SLC come previsto dal DM 17-01-2018. Per ogni combinazione è riportato il codice di verifica ed i valori utilizzati per la verifica: spostamento 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
$\Gamma_{m,c(a,s,t)}$	Deformazioni di taglio dell' elastomero
V_{cr}	Carico critico per instabilità

Affinché la verifica sia positiva deve essere:

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

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

La costruzione, nuova, è caratterizzata da regolarità in pianta e non regolarità in altezza ed è progettata considerando un comportamento non dissipativo (ND).

Parametri fattore in direzione x e y

Sistema costruttivo: calcestruzzo
 Tipologia strutturale: strutture a telaio, a pareti accoppiate, miste
 Definizione rapporto α_w/α_1 : valore come da normativa
 Riferimento normativo α_w/α_1 : strutture a telaio di un piano
 Valore rapporto $\alpha_w/\alpha_1 = 1.100$
 Valore base fattore $q_0 = 3.000 \alpha_w/\alpha_1 = 3.300$
 Fattore pareti $K_w = 1.000$
 Fattore di regolarità $K_R = 0.8$
 Fattore dissipativo $q_D = q_0 \cdot K_w \cdot K_R = 2.640$
 Fattore non dissipativo $q_{ND} = 2/3 \cdot q_D = 1.500 (\leq 1.5)$

Fattori di comportamento utilizzati

	Dissipativi	Non dissipativi
q SLU x	2.640	1.500
q SLU y	2.640	1.500
q SLU z	1.500	1.500

CDC	Tipo	Sigla Id	Note
7	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.475
			ordinata spettro (tratto Tb-Tc) = 0.369 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.344 sec.
			fattore q: 1.500
			amplificazione ND (non dissipativi): 1.000
			fattore per spost. μd : 1.678
			classe di duttilità CD: ND
			numero di modi considerati: 9
			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			
8.38	1.719e+05	12.85	18.70	0.0	-0.82	12.85	18.48	2.504	0.0	0.015
4.50	5.036e+04	12.85	10.30	0.0	0.0	12.85	10.33	2.580	0.0	0.002
4.25	5.075e+04	12.85	6.80	0.0	0.0	12.85	6.80	1.391	0.0	0.0
4.01	3.900e+04	12.85	3.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.78	5.033e+04	12.85	-0.05	0.0	-0.04	12.85	0.03	2.395	0.0	0.006
3.35	8.289e+04	12.85	22.63	0.0	-0.82	12.85	23.93	2.189	0.0	0.071
Risulta	4.452e+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	2.681	0.373	0.369	0.0	0.0	3.663e+05	82.3	242.82	5.45e-02	0.0	0.0
2	2.908	0.344	0.369	3.974e+05	89.3	0.0	0.0	0.0	0.0	0.0	0.0
3	2.968	0.337	0.369	0.0	0.0	944.95	0.2	4.888e+04	11.0	0.0	0.0
4	3.538	0.283	0.369	8527.21	1.9	0.0	0.0	0.0	0.0	0.0	0.0
5	4.097	0.244	0.369	0.0	0.0	221.81	4.98e-02	241.79	5.43e-02	0.0	0.0
6	7.021	0.142	0.358	0.0	0.0	7.085e+04	15.9	2.16	4.86e-04	0.0	0.0
7	8.068	0.124	0.342	3.383e+04	7.6	0.0	0.0	0.0	0.0	0.0	0.0

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8	10.367	0.096	0.317	0.0	0.0	622.78	0.1	2.438e+05	54.8	0.0	0.0
9	12.513	0.080	0.302	0.0	0.0	2331.98	0.5	1.400e+05	31.4	0.0	0.0
Risulta				4.398e+05		4.412e+05		4.331e+05			
In percentuale				98.78		99.11		97.28			

CDC	Tipo	Sigla Id	Note
8	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.475
			ordinata spettro (tratto Tb-Tc) = 0.369 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.348 sec.
			fattore q: 1.500
			amplificazione ND (non dissipativi): 1.000
			fattore per spost. mu d: 1.670
			classe di duttilità CD: ND
			numero di modi considerati: 9
			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			
8.38	1.719e+05	12.85	18.70	0.0	0.82	12.85	18.48	2.504	0.0	0.015
4.50	5.036e+04	12.85	10.30	0.0	0.0	12.85	10.33	2.580	0.0	0.002
4.25	5.075e+04	12.85	6.80	0.0	0.0	12.85	6.80	1.391	0.0	0.0
4.01	3.900e+04	12.85	3.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.78	5.033e+04	12.85	-0.05	0.0	0.04	12.85	0.03	2.395	0.0	0.006
3.35	8.289e+04	12.85	22.63	0.0	0.82	12.85	23.93	2.189	0.0	0.071
Risulta	4.452e+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	2.681	0.373	0.369	0.0	0.0	3.663e+05	82.3	242.81	5.45e-02	0.0	0.0
2	2.877	0.348	0.369	3.684e+05	82.8	0.0	0.0	0.0	0.0	0.0	0.0
3	2.968	0.337	0.369	0.0	0.0	944.90	0.2	4.888e+04	11.0	0.0	0.0
4	3.626	0.276	0.369	3.714e+04	8.3	0.0	0.0	0.0	0.0	0.0	0.0
5	4.095	0.244	0.369	0.0	0.0	221.29	4.97e-02	240.86	5.41e-02	0.0	0.0
6	7.022	0.142	0.358	0.0	0.0	7.088e+04	15.9	1.94	4.36e-04	0.0	0.0
7	8.490	0.118	0.336	3.581e+04	8.0	0.0	0.0	0.0	0.0	0.0	0.0
8	10.380	0.096	0.317	0.0	0.0	588.63	0.1	2.479e+05	55.7	0.0	0.0
9	12.562	0.080	0.302	0.0	0.0	2348.88	0.5	1.359e+05	30.5	0.0	0.0
Risulta				4.414e+05		4.413e+05		4.332e+05			
In percentuale				99.14		99.11		97.29			

CDC	Tipo	Sigla Id	Note
9	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.475
			ordinata spettro (tratto Tb-Tc) = 0.369 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.375 sec.
			fattore q: 1.500
			amplificazione ND (non dissipativi): 1.000
			fattore per spost. mu d: 1.621

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			classe di duttilità CD: ND
			numero di modi considerati: 9
			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			
8.38	1.719e+05	12.85	18.70	1.28	0.0	12.85	18.48	2.504	0.0	0.015
4.50	5.036e+04	12.85	10.30	1.28	0.0	12.85	10.33	2.580	0.0	0.002
4.25	5.075e+04	12.85	6.80	1.28	0.0	12.85	6.80	1.391	0.0	0.0
4.01	3.900e+04	12.85	3.40	1.28	0.0	0.0	0.0	0.0	0.0	0.0
3.78	5.033e+04	12.85	-0.05	1.28	0.0	12.85	0.03	2.395	0.0	0.006
3.35	8.289e+04	12.85	22.63	1.28	0.0	12.85	23.93	2.189	0.0	0.071
Risulta	4.452e+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	2.665	0.375	0.369	898.25	0.2	3.610e+05	81.1	215.23	4.83e-02	0.0	0.0
2	2.901	0.345	0.369	3.853e+05	86.5	1616.36	0.4	18.72	4.20e-03	0.0	0.0
3	2.968	0.337	0.369	112.50	2.53e-02	830.87	0.2	4.889e+04	11.0	0.0	0.0
4	3.403	0.294	0.369	6881.81	1.5	68.36	1.54e-02	21.30	4.78e-03	0.0	0.0
5	3.753	0.266	0.369	1.282e+04	2.9	3963.48	0.9	17.77	3.99e-03	0.0	0.0
6	5.202	0.192	0.369	262.10	5.89e-02	414.66	9.31e-02	849.09	0.2	0.0	0.0
7	7.055	0.142	0.357	90.46	2.03e-02	7.210e+04	16.2	147.99	3.32e-02	0.0	0.0
8	8.417	0.119	0.337	3.460e+04	7.8	99.25	2.23e-02	78.07	1.75e-02	0.0	0.0
9	10.951	0.091	0.312	6.75	1.52e-03	110.79	2.49e-02	3.762e+05	84.5	0.0	0.0
Risulta				4.409e+05		4.402e+05		4.265e+05			
In percentuale				99.04		98.88		95.79			

CDC	Tipo	Sigla Id	Note
10	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.475
			ordinata spettro (tratto Tb-Tc) = 0.369 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.375 sec.
			fattore q: 1.500
			amplificazione ND (non dissipativi): 1.000
			fattore per spost. mu d: 1.621
			classe di duttilità CD: ND
			numero di modi considerati: 9
			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			
8.38	1.719e+05	12.85	18.70	-1.28	0.0	12.85	18.48	2.504	0.0	0.015
4.50	5.036e+04	12.85	10.30	-1.28	0.0	12.85	10.33	2.580	0.0	0.002
4.25	5.075e+04	12.85	6.80	-1.28	0.0	12.85	6.80	1.391	0.0	0.0
4.01	3.900e+04	12.85	3.40	-1.28	0.0	0.0	0.0	0.0	0.0	0.0
3.78	5.033e+04	12.85	-0.05	-1.28	0.0	12.85	0.03	2.395	0.0	0.006
3.35	8.289e+04	12.85	22.63	-1.28	0.0	12.85	23.93	2.189	0.0	0.071
Risulta	4.452e+05									

Modo	Frequenza	Periodo	Acc.	M efficace	%	M efficace	%	M efficace	%	Energia	Energia x
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	Hz	sec	Spettrale g	X x g daN	Y x g daN	Z x g daN					v
1	2.665	0.375	0.369	898.25	0.2	3.610e+05	81.1	215.23	4.83e-02	0.0	0.0
2	2.901	0.345	0.369	3.853e+05	86.5	1616.36	0.4	18.72	4.20e-03	0.0	0.0
3	2.968	0.337	0.369	112.50	2.53e-02	830.87	0.2	4.889e+04	11.0	0.0	0.0
4	3.403	0.294	0.369	6881.81	1.5	68.36	1.54e-02	21.30	4.78e-03	0.0	0.0
5	3.753	0.266	0.369	1.282e+04	2.9	3963.48	0.9	17.77	3.99e-03	0.0	0.0
6	5.202	0.192	0.369	262.10	5.89e-02	414.66	9.31e-02	849.09	0.2	0.0	0.0
7	7.055	0.142	0.357	90.46	2.03e-02	7.210e+04	16.2	147.99	3.32e-02	0.0	0.0
8	8.417	0.119	0.337	3.460e+04	7.8	99.25	2.23e-02	78.07	1.75e-02	0.0	0.0
9	10.951	0.091	0.312	6.75	1.52e-03	110.79	2.49e-02	3.762e+05	84.5	0.0	0.0
Risulta				4.409e+05		4.402e+05		4.265e+05			
In percentuale				99.04		98.88		95.79			

CDC	Tipo	Sigla Id	Note
11	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.263 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.344 sec.
			numero di modi considerati: 9
			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			
8.38	1.719e+05	12.85	18.70	0.0	-0.82	12.85	18.48	2.504	0.0	0.015
4.50	5.036e+04	12.85	10.30	0.0	0.0	12.85	10.33	2.580	0.0	0.002
4.25	5.075e+04	12.85	6.80	0.0	0.0	12.85	6.80	1.391	0.0	0.0
4.01	3.900e+04	12.85	3.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.78	5.033e+04	12.85	-0.05	0.0	-0.04	12.85	0.03	2.395	0.0	0.006
3.35	8.289e+04	12.85	22.63	0.0	-0.82	12.85	23.93	2.189	0.0	0.071
Risulta	4.452e+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	2.681	0.373	0.263	0.0	0.0	3.663e+05	82.3	242.82	5.45e-02	0.0	0.0
2	2.908	0.344	0.263	3.974e+05	89.3	0.0	0.0	0.0	0.0	0.0	0.0
3	2.968	0.337	0.263	0.0	0.0	944.95	0.2	4.888e+04	11.0	0.0	0.0
4	3.538	0.283	0.263	8527.21	1.9	0.0	0.0	0.0	0.0	0.0	0.0
5	4.097	0.244	0.263	0.0	0.0	221.81	4.98e-02	241.79	5.43e-02	0.0	0.0
6	7.021	0.142	0.258	0.0	0.0	7.085e+04	15.9	2.16	4.86e-04	0.0	0.0
7	8.068	0.124	0.238	3.383e+04	7.6	0.0	0.0	0.0	0.0	0.0	0.0
8	10.367	0.096	0.208	0.0	0.0	622.78	0.1	2.438e+05	54.8	0.0	0.0
9	12.513	0.080	0.189	0.0	0.0	2331.98	0.5	1.400e+05	31.4	0.0	0.0
Risulta				4.398e+05		4.412e+05		4.331e+05			
In percentuale				98.78		99.11		97.28			

CDC	Tipo	Sigla Id	Note
12	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.263 g
			angolo di ingresso:0.0

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			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.348 sec.
			numero di modi considerati: 9
			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			
8.38	1.719e+05	12.85	18.70	0.0	0.82	12.85	18.48	2.504	0.0	0.015
4.50	5.036e+04	12.85	10.30	0.0	0.0	12.85	10.33	2.580	0.0	0.002
4.25	5.075e+04	12.85	6.80	0.0	0.0	12.85	6.80	1.391	0.0	0.0
4.01	3.900e+04	12.85	3.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.78	5.033e+04	12.85	-0.05	0.0	0.04	12.85	0.03	2.395	0.0	0.006
3.35	8.289e+04	12.85	22.63	0.0	0.82	12.85	23.93	2.189	0.0	0.071
Risulta	4.452e+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	2.681	0.373	0.263	0.0	0.0	3.663e+05	82.3	242.81	5.45e-02	0.0	0.0
2	2.877	0.348	0.263	3.684e+05	82.8	0.0	0.0	0.0	0.0	0.0	0.0
3	2.968	0.337	0.263	0.0	0.0	944.90	0.2	4.888e+04	11.0	0.0	0.0
4	3.626	0.276	0.263	3.714e+04	8.3	0.0	0.0	0.0	0.0	0.0	0.0
5	4.095	0.244	0.263	0.0	0.0	221.29	4.97e-02	240.86	5.41e-02	0.0	0.0
6	7.022	0.142	0.258	0.0	0.0	7.088e+04	15.9	1.94	4.36e-04	0.0	0.0
7	8.490	0.118	0.231	3.581e+04	8.0	0.0	0.0	0.0	0.0	0.0	0.0
8	10.380	0.096	0.208	0.0	0.0	588.63	0.1	2.479e+05	55.7	0.0	0.0
9	12.562	0.080	0.189	0.0	0.0	2348.88	0.5	1.359e+05	30.5	0.0	0.0
Risulta				4.414e+05		4.413e+05		4.332e+05			
In percentuale				99.14		99.11		97.29			

CDC	Tipo	Sigla Id	Note
13	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.263 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.375 sec.
			numero di modi considerati: 9
			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			
8.38	1.719e+05	12.85	18.70	1.28	0.0	12.85	18.48	2.504	0.0	0.015
4.50	5.036e+04	12.85	10.30	1.28	0.0	12.85	10.33	2.580	0.0	0.002
4.25	5.075e+04	12.85	6.80	1.28	0.0	12.85	6.80	1.391	0.0	0.0
4.01	3.900e+04	12.85	3.40	1.28	0.0	0.0	0.0	0.0	0.0	0.0
3.78	5.033e+04	12.85	-0.05	1.28	0.0	12.85	0.03	2.395	0.0	0.006
3.35	8.289e+04	12.85	22.63	1.28	0.0	12.85	23.93	2.189	0.0	0.071
Risulta	4.452e+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	2.665	0.375	0.263	898.25	0.2	3.610e+05	81.1	215.23	4.83e-02	0.0	0.0

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2	2.901	0.345	0.263	3.853e+05	86.5	1616.36	0.4	18.72	4.20e-03	0.0	0.0
3	2.968	0.337	0.263	112.50	2.53e-02	830.87	0.2	4.889e+04	11.0	0.0	0.0
4	3.403	0.294	0.263	6881.81	1.5	68.36	1.54e-02	21.30	4.78e-03	0.0	0.0
5	3.753	0.266	0.263	1.282e+04	2.9	3963.48	0.9	17.77	3.99e-03	0.0	0.0
6	5.202	0.192	0.263	262.10	5.89e-02	414.66	9.31e-02	849.09	0.2	0.0	0.0
7	7.055	0.142	0.258	90.46	2.03e-02	7.210e+04	16.2	147.99	3.32e-02	0.0	0.0
8	8.417	0.119	0.232	3.460e+04	7.8	99.25	2.23e-02	78.07	1.75e-02	0.0	0.0
9	10.951	0.091	0.202	6.75	1.52e-03	110.79	2.49e-02	3.762e+05	84.5	0.0	0.0
Risulta				4.409e+05		4.402e+05		4.265e+05			
In percentuale				99.04		98.88		95.79			

CDC	Tipo	Sigla Id	Note
14	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.263 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.375 sec.
			numero di modi considerati: 9
			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			
8.38	1.719e+05	12.85	18.70	-1.28	0.0	12.85	18.48	2.504	0.0	0.015
4.50	5.036e+04	12.85	10.30	-1.28	0.0	12.85	10.33	2.580	0.0	0.002
4.25	5.075e+04	12.85	6.80	-1.28	0.0	12.85	6.80	1.391	0.0	0.0
4.01	3.900e+04	12.85	3.40	-1.28	0.0	0.0	0.0	0.0	0.0	0.0
3.78	5.033e+04	12.85	-0.05	-1.28	0.0	12.85	0.03	2.395	0.0	0.006
3.35	8.289e+04	12.85	22.63	-1.28	0.0	12.85	23.93	2.189	0.0	0.071
Risulta	4.452e+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	2.665	0.375	0.263	898.25	0.2	3.610e+05	81.1	215.23	4.83e-02	0.0	0.0
2	2.901	0.345	0.263	3.853e+05	86.5	1616.36	0.4	18.72	4.20e-03	0.0	0.0
3	2.968	0.337	0.263	112.50	2.53e-02	830.87	0.2	4.889e+04	11.0	0.0	0.0
4	3.403	0.294	0.263	6881.81	1.5	68.36	1.54e-02	21.30	4.78e-03	0.0	0.0
5	3.753	0.266	0.263	1.282e+04	2.9	3963.48	0.9	17.77	3.99e-03	0.0	0.0
6	5.202	0.192	0.263	262.10	5.89e-02	414.66	9.31e-02	849.09	0.2	0.0	0.0
7	7.055	0.142	0.258	90.46	2.03e-02	7.210e+04	16.2	147.99	3.32e-02	0.0	0.0
8	8.417	0.119	0.232	3.460e+04	7.8	99.25	2.23e-02	78.07	1.75e-02	0.0	0.0
9	10.951	0.091	0.202	6.75	1.52e-03	110.79	2.49e-02	3.762e+05	84.5	0.0	0.0
Risulta				4.409e+05		4.402e+05		4.265e+05			
In percentuale				99.04		98.88		95.79			

Cmb inter. h	Pilas. 1000 etaT/h	etaT	inter. h	Pilas. 1000 etaT/h	etaT	inter. h	Pilas. 1000 etaT/h	etaT			
		cm	cm		cm	cm		cm			
cm											
45	15	0.86	0.29	335.0	16	1.20	0.61	503.0	17	0.89	0.30
335.0											
	18	1.23	0.62	503.0	19	0.91	0.30	335.0	20	1.25	0.63
503.0											
	21	0.92	0.31	335.0	22	1.27	0.64	503.0	23	1.20	0.54
450.0											
	24	0.97	0.38	388.0	25	1.21	0.54	450.0	26	1.04	0.40

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388.0											
	27	1.20	0.54	450.0	28	1.12	0.43	388.0	29	1.19	0.54
450.0											
	30	1.20	0.47	388.0	31	0.86	0.29	335.0	32	1.18	0.59
503.0											
	33	1.19	0.40	335.0	34	1.27	0.15	115.0	35	1.20	0.40
335.0											
	36	1.09	0.12	115.0	37	0.90	0.30	335.0	38	1.29	0.65
503.0											
	39	1.26	0.42	335.0	40	0.97	0.49	503.0	41	1.12	0.38
335.0											
	42	1.07	0.54	503.0	43	1.30	0.43	335.0	44	1.19	0.60
503.0											
	45	1.18	0.40	335.0	46	1.18	0.59	503.0	170	1.35	0.51
378.0											
	171	1.36	0.51	378.0	172	1.35	0.51	378.0	173	1.36	0.51
378.0											
	174	1.34	0.51	378.0	175	1.27	0.54	424.5	176	1.25	0.53
424.5											
	177	1.25	0.53	424.5	178	1.24	0.53	424.5	179	1.24	0.53
424.5											
	180	1.21	0.52	424.5	181	1.33	0.50	378.0	194	0.94	0.37
388.0											
	195	1.28	0.50	388.0							
46	15	0.95	0.32	335.0	16	1.32	0.67	503.0	17	0.96	0.32
335.0											
	18	1.32	0.67	503.0	19	0.95	0.32	335.0	20	1.31	0.66
503.0											
	21	0.94	0.32	335.0	22	1.30	0.65	503.0	23	1.11	0.50
450.0											
	24	1.14	0.44	388.0	25	1.12	0.51	450.0	26	1.08	0.42
388.0											
	27	1.14	0.51	450.0	28	1.02	0.39	388.0	29	1.15	0.52
450.0											
	30	0.96	0.37	388.0	31	0.94	0.32	335.0	32	1.33	0.67
503.0											
	33	1.09	0.37	335.0	34	1.14	0.13	115.0	35	1.18	0.40
335.0											
	36	1.11	0.13	115.0	37	0.89	0.30	335.0	38	1.31	0.66
503.0											
	39	1.25	0.42	335.0	40	1.17	0.59	503.0	41	1.20	0.40
335.0											
	42	1.18	0.59	503.0	43	1.25	0.42	335.0	44	1.04	0.52
503.0											
	45	1.18	0.40	335.0	46	1.15	0.58	503.0	170	1.20	0.45
378.0											
	171	1.22	0.46	378.0	172	1.24	0.47	378.0	173	1.19	0.45
378.0											
	174	1.25	0.47	378.0	175	1.13	0.48	424.5	176	1.14	0.49
424.5											
	177	1.16	0.49	424.5	178	1.17	0.50	424.5	179	1.19	0.50
424.5											
	180	1.22	0.52	424.5	181	1.26	0.48	378.0	194	1.18	0.46
388.0											
	195	0.92	0.36	388.0							
47	15	0.97	0.32	335.0	16	1.35	0.68	503.0	17	0.97	0.32
335.0											
	18	1.35	0.68	503.0	19	0.97	0.32	335.0	20	1.34	0.67
503.0											
	21	0.95	0.32	335.0	22	1.33	0.67	503.0	23	1.14	0.51
450.0											
	24	1.14	0.44	388.0	25	1.16	0.52	450.0	26	1.08	0.42
388.0											
	27	1.17	0.53	450.0	28	1.01	0.39	388.0	29	1.18	0.53
450.0											
	30	0.96	0.37	388.0	31	0.94	0.31	335.0	32	1.35	0.68

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503.0											
	33	1.15	0.39	335.0	34	1.02	0.12	115.0	35	1.17	0.39
335.0											
	36	1.27	0.15	115.0	37	0.95	0.32	335.0	38	1.31	0.66
503.0											
	39	1.28	0.43	335.0	40	1.18	0.59	503.0	41	1.22	0.41
335.0											
	42	1.20	0.60	503.0	43	1.27	0.43	335.0	44	1.05	0.53
503.0											
	45	1.20	0.40	335.0	46	1.16	0.58	503.0	170	1.23	0.47
378.0											
	171	1.25	0.47	378.0	172	1.27	0.48	378.0	173	1.21	0.46
378.0											
	174	1.28	0.48	378.0	175	1.15	0.49	424.5	176	1.17	0.50
424.5											
	177	1.19	0.50	424.5	178	1.20	0.51	424.5	179	1.22	0.52
424.5											
	180	1.25	0.53	424.5	181	1.30	0.49	378.0	194	1.19	0.46
388.0											
	195	0.92	0.36	388.0							
48	15	0.85	0.29	335.0	16	1.18	0.59	503.0	17	0.88	0.29
335.0											
	18	1.20	0.61	503.0	19	0.90	0.30	335.0	20	1.22	0.62
503.0											
	21	0.90	0.30	335.0	22	1.24	0.62	503.0	23	1.18	0.53
450.0											
	24	0.97	0.38	388.0	25	1.17	0.53	450.0	26	1.04	0.40
388.0											
	27	1.17	0.53	450.0	28	1.12	0.44	388.0	29	1.15	0.52
450.0											
	30	1.21	0.47	388.0	31	0.80	0.27	335.0	32	1.18	0.59
503.0											
	33	1.20	0.40	335.0	34	1.11	0.13	115.0	35	1.14	0.38
335.0											
	36	1.20	0.14	115.0	37	0.90	0.30	335.0	38	1.26	0.63
503.0											
	39	1.24	0.42	335.0	40	0.96	0.48	503.0	41	1.11	0.37
335.0											
	42	1.05	0.53	503.0	43	1.26	0.42	335.0	44	1.17	0.59
503.0											
	45	1.15	0.39	335.0	46	1.16	0.58	503.0	170	1.34	0.51
378.0											
	171	1.33	0.50	378.0	172	1.32	0.50	378.0	173	1.33	0.50
378.0											
	174	1.30	0.49	378.0	175	1.25	0.53	424.5	176	1.23	0.52
424.5											
	177	1.22	0.52	424.5	178	1.22	0.52	424.5	179	1.21	0.51
424.5											
	180	1.19	0.51	424.5	181	1.30	0.49	378.0	194	0.95	0.37
388.0											
	195	1.27	0.49	388.0							
49	15	0.95	0.32	335.0	16	1.33	0.67	503.0	17	0.97	0.32
335.0											
	18	1.34	0.67	503.0	19	0.97	0.32	335.0	20	1.35	0.68
503.0											
	21	0.97	0.32	335.0	22	1.35	0.68	503.0	23	1.18	0.53
450.0											
	24	0.96	0.37	388.0	25	1.17	0.53	450.0	26	1.01	0.39
388.0											
	27	1.16	0.52	450.0	28	1.08	0.42	388.0	29	1.14	0.51
450.0											
	30	1.14	0.44	388.0	31	0.95	0.32	335.0	32	1.31	0.66
503.0											
	33	1.17	0.39	335.0	34	1.27	0.15	115.0	35	1.15	0.39
335.0											
	36	1.02	0.12	115.0	37	0.94	0.31	335.0	38	1.35	0.68

COMUNE DI EMPOLI NUOVA SCUOLA PRIMARIA IN VIA LIGURIA – CORPO B PALESTRA FASCICOLO DI CALCOLO										<i>Documento: C51E_SBR5A</i>	
										<i>Rev.</i>	<i>Data</i>
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503.0											
	39	1.27	0.43	335.0	40	1.05	0.53	503.0	41	1.20	0.40
335.0											
	42	1.16	0.58	503.0	43	1.28	0.43	335.0	44	1.18	0.59
503.0											
	45	1.22	0.41	335.0	46	1.20	0.60	503.0	170	1.28	0.48
378.0											
	171	1.27	0.48	378.0	172	1.25	0.47	378.0	173	1.30	0.49
378.0											
	174	1.23	0.47	378.0	175	1.25	0.53	424.5	176	1.22	0.52
424.5											
	177	1.20	0.51	424.5	178	1.19	0.50	424.5	179	1.17	0.50
424.5											
	180	1.15	0.49	424.5	181	1.21	0.46	378.0	194	0.92	0.36
388.0											
	195	1.19	0.46	388.0							
50	15	0.90	0.30	335.0	16	1.24	0.62	503.0	17	0.90	0.30
335.0											
	18	1.22	0.62	503.0	19	0.88	0.29	335.0	20	1.20	0.61
503.0											
	21	0.85	0.29	335.0	22	1.18	0.59	503.0	23	1.15	0.52
450.0											
	24	1.21	0.47	388.0	25	1.17	0.53	450.0	26	1.12	0.44
388.0											
	27	1.17	0.53	450.0	28	1.04	0.40	388.0	29	1.18	0.53
450.0											
	30	0.97	0.38	388.0	31	0.90	0.30	335.0	32	1.26	0.63
503.0											
	33	1.14	0.38	335.0	34	1.20	0.14	115.0	35	1.20	0.40
335.0											
	36	1.11	0.13	115.0	37	0.80	0.27	335.0	38	1.18	0.59
503.0											
	39	1.26	0.42	335.0	40	1.17	0.59	503.0	41	1.15	0.39
335.0											
	42	1.16	0.58	503.0	43	1.24	0.42	335.0	44	0.96	0.48
503.0											
	45	1.11	0.37	335.0	46	1.05	0.53	503.0	170	1.30	0.49
378.0											
	171	1.32	0.50	378.0	172	1.33	0.50	378.0	173	1.30	0.49
378.0											
	174	1.34	0.51	378.0	175	1.19	0.51	424.5	176	1.21	0.51
424.5											
	177	1.22	0.52	424.5	178	1.22	0.52	424.5	179	1.23	0.52
424.5											
	180	1.25	0.53	424.5	181	1.33	0.50	378.0	194	1.27	0.49
388.0											
	195	0.95	0.37	388.0							
51	15	0.92	0.31	335.0	16	1.27	0.64	503.0	17	0.91	0.30
335.0											
	18	1.25	0.63	503.0	19	0.89	0.30	335.0	20	1.23	0.62
503.0											
	21	0.86	0.29	335.0	22	1.20	0.61	503.0	23	1.19	0.54
450.0											
	24	1.20	0.47	388.0	25	1.20	0.54	450.0	26	1.12	0.43
388.0											
	27	1.21	0.54	450.0	28	1.04	0.40	388.0	29	1.20	0.54
450.0											
	30	0.97	0.38	388.0	31	0.90	0.30	335.0	32	1.29	0.65
503.0											
	33	1.20	0.40	335.0	34	1.09	0.12	115.0	35	1.19	0.40
335.0											
	36	1.27	0.15	115.0	37	0.86	0.29	335.0	38	1.18	0.59
503.0											
	39	1.30	0.43	335.0	40	1.19	0.60	503.0	41	1.18	0.40
335.0											
	42	1.18	0.59	503.0	43	1.26	0.42	335.0	44	0.97	0.49

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503.0											
	45	1.12	0.38	335.0	46	1.07	0.54	503.0	170	1.34	0.51
378.0											
	171	1.35	0.51	378.0	172	1.36	0.51	378.0	173	1.33	0.50
378.0											
	174	1.35	0.51	378.0	175	1.21	0.52	424.5	176	1.24	0.53
424.5											
	177	1.24	0.53	424.5	178	1.25	0.53	424.5	179	1.25	0.53
424.5											
	180	1.27	0.54	424.5	181	1.36	0.51	378.0	194	1.28	0.50
388.0											
	195	0.94	0.37	388.0							
52	15	0.94	0.32	335.0	16	1.30	0.65	503.0	17	0.95	0.32
335.0											
	18	1.31	0.66	503.0	19	0.96	0.32	335.0	20	1.32	0.67
503.0											
	21	0.95	0.32	335.0	22	1.32	0.67	503.0	23	1.15	0.52
450.0											
	24	0.96	0.37	388.0	25	1.14	0.51	450.0	26	1.02	0.39
388.0											
	27	1.12	0.51	450.0	28	1.08	0.42	388.0	29	1.11	0.50
450.0											
	30	1.14	0.44	388.0	31	0.89	0.30	335.0	32	1.31	0.66
503.0											
	33	1.18	0.40	335.0	34	1.11	0.13	115.0	35	1.09	0.37
335.0											
	36	1.14	0.13	115.0	37	0.94	0.32	335.0	38	1.33	0.67
503.0											
	39	1.25	0.42	335.0	40	1.04	0.52	503.0	41	1.18	0.40
335.0											
	42	1.15	0.58	503.0	43	1.25	0.42	335.0	44	1.17	0.59
503.0											
	45	1.20	0.40	335.0	46	1.18	0.59	503.0	170	1.25	0.47
378.0											
	171	1.24	0.47	378.0	172	1.22	0.46	378.0	173	1.26	0.48
378.0											
	174	1.20	0.45	378.0	175	1.22	0.52	424.5	176	1.19	0.50
424.5											
	177	1.17	0.50	424.5	178	1.16	0.49	424.5	179	1.14	0.49
424.5											
	180	1.13	0.48	424.5	181	1.19	0.45	378.0	194	0.92	0.36
388.0											
	195	1.18	0.46	388.0							
53	15	1.03	0.35	335.0	16	1.41	0.71	503.0	17	1.01	0.34
335.0											
	18	1.38	0.69	503.0	19	0.98	0.33	335.0	20	1.34	0.67
503.0											
	21	0.95	0.32	335.0	22	1.31	0.66	503.0	23	1.13	0.51
450.0											
	24	1.06	0.41	388.0	25	1.11	0.50	450.0	26	1.01	0.39
388.0											
	27	1.08	0.49	450.0	28	0.95	0.37	388.0	29	1.06	0.48
450.0											
	30	0.90	0.35	388.0	31	1.06	0.35	335.0	32	1.44	0.73
503.0											
	33	1.13	0.38	335.0	34	1.27	0.15	115.0	35	1.06	0.35
335.0											
	36	0.95	0.11	115.0	37	0.90	0.30	335.0	38	1.29	0.65
503.0											
	39	1.17	0.39	335.0	40	1.20	0.60	503.0	41	1.20	0.40
335.0											
	42	1.31	0.66	503.0	43	1.13	0.38	335.0	44	0.95	0.48
503.0											
	45	1.11	0.37	335.0	46	1.11	0.56	503.0	170	1.20	0.46
378.0											
	171	1.18	0.45	378.0	172	1.15	0.43	378.0	173	1.25	0.47

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378.0												
	174	1.12	0.42	378.0	175	1.18	0.50	424.5	176	1.15	0.49	
424.5												
	177	1.12	0.48	424.5	178	1.10	0.47	424.5	179	1.07	0.46	
424.5												
	180	1.06	0.45	424.5	181	1.10	0.41	378.0	194	1.09	0.42	
388.0												
	195	0.86	0.33	388.0								
54	15	1.00	0.34	335.0	16	1.39	0.70	503.0	17	1.03	0.35	
335.0												
	18	1.42	0.72	503.0	19	1.07	0.36	335.0	20	1.46	0.73	
503.0												
	21	1.11	0.37	335.0	22	1.50	0.75	503.0	23	0.98	0.44	
450.0												
	24	0.85	0.33	388.0	25	1.01	0.45	450.0	26	0.92	0.36	
388.0												
	27	1.03	0.46	450.0	28	1.00	0.39	388.0	29	1.07	0.48	
450.0												
	30	1.07	0.42	388.0	31	1.00	0.34	335.0	32	1.38	0.69	
503.0												
	33	0.96	0.32	335.0	34	1.04	0.12	115.0	35	1.11	0.37	
335.0												
	36	1.13	0.13	115.0	37	1.08	0.36	335.0	38	1.57	0.79	
503.0												
	39	1.10	0.37	335.0	40	1.00	0.50	503.0	41	1.16	0.39	
335.0												
	42	1.16	0.58	503.0	43	1.16	0.39	335.0	44	1.29	0.65	
503.0												
	45	1.26	0.42	335.0	46	1.39	0.70	503.0	170	0.98	0.37	
378.0												
	171	1.01	0.38	378.0	172	1.05	0.40	378.0	173	0.98	0.37	
378.0												
	174	1.10	0.42	378.0	175	0.98	0.42	424.5	176	0.99	0.42	
424.5												
	177	1.01	0.43	424.5	178	1.04	0.44	424.5	179	1.08	0.46	
424.5												
	180	1.13	0.48	424.5	181	1.15	0.43	378.0	194	0.79	0.31	
388.0												
	195	1.12	0.43	388.0								
55	15	1.01	0.34	335.0	16	1.40	0.71	503.0	17	1.04	0.35	
335.0												
	18	1.44	0.72	503.0	19	1.08	0.36	335.0	20	1.48	0.75	
503.0												
	21	1.13	0.38	335.0	22	1.53	0.77	503.0	23	1.01	0.45	
450.0												
	24	0.84	0.33	388.0	25	1.04	0.47	450.0	26	0.91	0.35	
388.0												
	27	1.07	0.48	450.0	28	0.99	0.39	388.0	29	1.11	0.50	
450.0												
	30	1.07	0.42	388.0	31	0.96	0.32	335.0	32	1.39	0.70	
503.0												
	33	1.01	0.34	335.0	34	0.90	0.10	115.0	35	1.12	0.38	
335.0												
	36	1.29	0.15	115.0	37	1.16	0.39	335.0	38	1.58	0.80	
503.0												
	39	1.11	0.37	335.0	40	1.00	0.50	503.0	41	1.16	0.39	
335.0												
	42	1.16	0.59	503.0	43	1.19	0.40	335.0	44	1.31	0.66	
503.0												
	45	1.29	0.43	335.0	46	1.42	0.71	503.0	170	1.01	0.38	
378.0												
	171	1.05	0.40	378.0	172	1.09	0.41	378.0	173	0.99	0.37	
378.0												
	174	1.14	0.43	378.0	175	0.99	0.42	424.5	176	1.01	0.43	
424.5												
	177	1.04	0.44	424.5	178	1.08	0.46	424.5	179	1.12	0.48	

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424.5											
388.0	180	1.17	0.50	424.5	181	1.21	0.46	378.0	194	0.81	0.31
	195	1.12	0.44	388.0							
56	15	1.02	0.34	335.0	16	1.38	0.69	503.0	17	0.99	0.33
335.0											
	18	1.35	0.68	503.0	19	0.97	0.32	335.0	20	1.32	0.66
503.0											
	21	0.94	0.31	335.0	22	1.30	0.65	503.0	23	1.09	0.49
450.0											
	24	1.06	0.41	388.0	25	1.07	0.48	450.0	26	1.01	0.39
388.0											
	27	1.05	0.47	450.0	28	0.96	0.37	388.0	29	1.03	0.46
450.0											
	30	0.91	0.35	388.0	31	0.98	0.33	335.0	32	1.43	0.72
503.0											
	33	1.12	0.38	335.0	34	1.11	0.13	115.0	35	1.00	0.34
335.0											
	36	1.08	0.12	115.0	37	0.93	0.31	335.0	38	1.28	0.64
503.0											
	39	1.14	0.38	335.0	40	1.18	0.59	503.0	41	1.17	0.39
335.0											
	42	1.28	0.65	503.0	43	1.11	0.37	335.0	44	0.95	0.48
503.0											
	45	1.10	0.37	335.0	46	1.10	0.55	503.0	170	1.18	0.44
378.0											
	171	1.14	0.43	378.0	172	1.12	0.42	378.0	173	1.20	0.45
378.0											
	174	1.09	0.41	378.0	175	1.15	0.49	424.5	176	1.11	0.47
424.5											
	177	1.09	0.46	424.5	178	1.07	0.45	424.5	179	1.05	0.45
424.5											
	180	1.04	0.44	424.5	181	1.08	0.41	378.0	194	1.08	0.42
388.0											
	195	0.85	0.33	388.0							
57	15	1.13	0.38	335.0	16	1.53	0.77	503.0	17	1.08	0.36
335.0											
	18	1.48	0.75	503.0	19	1.04	0.35	335.0	20	1.44	0.72
503.0											
	21	1.01	0.34	335.0	22	1.40	0.71	503.0	23	1.11	0.50
450.0											
	24	1.07	0.42	388.0	25	1.07	0.48	450.0	26	0.99	0.39
388.0											
	27	1.04	0.47	450.0	28	0.91	0.35	388.0	29	1.01	0.45
450.0											
	30	0.84	0.33	388.0	31	1.16	0.39	335.0	32	1.58	0.80
503.0											
	33	1.12	0.38	335.0	34	1.29	0.15	115.0	35	1.01	0.34
335.0											
	36	0.90	0.10	115.0	37	0.96	0.32	335.0	38	1.39	0.70
503.0											
	39	1.19	0.40	335.0	40	1.31	0.66	503.0	41	1.29	0.43
335.0											
	42	1.42	0.71	503.0	43	1.11	0.37	335.0	44	1.00	0.50
503.0											
	45	1.16	0.39	335.0	46	1.16	0.59	503.0	170	1.14	0.43
378.0											
	171	1.09	0.41	378.0	172	1.05	0.40	378.0	173	1.21	0.46
378.0											
	174	1.01	0.38	378.0	175	1.17	0.50	424.5	176	1.12	0.48
424.5											
	177	1.08	0.46	424.5	178	1.04	0.44	424.5	179	1.01	0.43
424.5											
	180	0.99	0.42	424.5	181	0.99	0.37	378.0	194	1.12	0.44
388.0											
	195	0.81	0.31	388.0							

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450.0	21	1.00	0.34	335.0	22	1.39	0.70	503.0	23	1.07	0.48
388.0	24	1.07	0.42	388.0	25	1.03	0.46	450.0	26	1.00	0.39
450.0	27	1.01	0.45	450.0	28	0.92	0.36	388.0	29	0.98	0.44
503.0	30	0.85	0.33	388.0	31	1.08	0.36	335.0	32	1.57	0.79
335.0	33	1.11	0.37	335.0	34	1.13	0.13	115.0	35	0.96	0.32
503.0	36	1.04	0.12	115.0	37	1.00	0.34	335.0	38	1.38	0.69
335.0	39	1.16	0.39	335.0	40	1.29	0.65	503.0	41	1.26	0.42
503.0	42	1.39	0.70	503.0	43	1.10	0.37	335.0	44	1.00	0.50
378.0	45	1.16	0.39	335.0	46	1.16	0.58	503.0	170	1.10	0.42
378.0	171	1.05	0.40	378.0	172	1.01	0.38	378.0	173	1.15	0.43
424.5	174	0.98	0.37	378.0	175	1.13	0.48	424.5	176	1.08	0.46
424.5	177	1.04	0.44	424.5	178	1.01	0.43	424.5	179	0.99	0.42
388.0	180	0.98	0.42	424.5	181	0.98	0.37	378.0	194	1.12	0.43
61	195	0.79	0.31	388.0							
335.0	15	1.04	0.35	335.0	16	1.39	0.70	503.0	17	1.14	0.38
503.0	18	1.50	0.75	503.0	19	1.21	0.41	335.0	20	1.57	0.79
450.0	21	1.25	0.42	335.0	22	1.59	0.80	503.0	23	1.07	0.48
388.0	24	1.56	0.60	388.0	25	1.12	0.50	450.0	26	1.73	0.67
450.0	27	1.15	0.52	450.0	28	1.85	0.72	388.0	29	1.18	0.53
503.0	30	1.90	0.74	388.0	31	0.84	0.28	335.0	32	1.27	0.64
335.0	33	0.95	0.32	335.0	34	1.27	0.15	115.0	35	1.13	0.38
503.0	36	1.45	0.17	115.0	37	1.11	0.37	335.0	38	1.64	0.82
335.0	39	0.91	0.31	335.0	40	1.28	0.65	503.0	41	0.84	0.28
503.0	42	1.32	0.67	503.0	43	1.14	0.38	335.0	44	1.74	0.87
378.0	45	1.10	0.37	335.0	46	1.70	0.85	503.0	170	1.25	0.47
378.0	171	1.30	0.49	378.0	172	1.34	0.51	378.0	173	1.19	0.45
424.5	174	1.37	0.52	378.0	175	1.06	0.45	424.5	176	1.12	0.48
424.5	177	1.16	0.49	424.5	178	1.20	0.51	424.5	179	1.23	0.52
388.0	180	1.21	0.51	424.5	181	1.39	0.53	378.0	194	1.29	0.50
62	195	1.81	0.70	388.0							
335.0	15	1.09	0.37	335.0	16	1.44	0.73	503.0	17	1.17	0.39
503.0	18	1.53	0.77	503.0	19	1.22	0.41	335.0	20	1.57	0.79
450.0	21	1.24	0.42	335.0	22	1.57	0.79	503.0	23	0.88	0.39
388.0	24	1.67	0.65	388.0	25	0.94	0.42	450.0	26	1.77	0.69

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335.0	33	0.87	0.29	335.0	34	1.15	0.13	115.0	35	1.01	0.34
503.0	36	1.41	0.16	115.0	37	1.02	0.34	335.0	38	1.60	0.80
335.0	39	0.80	0.27	335.0	40	1.25	0.63	503.0	41	0.76	0.25
503.0	42	1.28	0.64	503.0	43	1.02	0.34	335.0	44	1.70	0.86
378.0	45	1.01	0.34	335.0	46	1.65	0.83	503.0	170	1.16	0.44
378.0	171	1.21	0.46	378.0	172	1.24	0.47	378.0	173	1.09	0.41
424.5	174	1.27	0.48	378.0	175	0.99	0.42	424.5	176	1.02	0.43
424.5	177	1.06	0.45	424.5	178	1.10	0.46	424.5	179	1.12	0.48
388.0	180	1.13	0.48	424.5	181	1.29	0.49	378.0	194	1.28	0.49
65	195	1.79	0.70	388.0							
335.0	15	1.10	0.37	335.0	16	1.46	0.73	503.0	17	1.16	0.39
503.0	18	1.53	0.77	503.0	19	1.20	0.40	335.0	20	1.55	0.78
450.0	21	1.20	0.40	335.0	22	1.53	0.77	503.0	23	1.08	0.49
388.0	24	1.67	0.65	388.0	25	1.11	0.50	450.0	26	1.77	0.69
450.0	27	1.13	0.51	450.0	28	1.80	0.70	388.0	29	1.14	0.51
503.0	30	1.77	0.69	388.0	31	0.93	0.31	335.0	32	1.39	0.70
335.0	33	0.97	0.33	335.0	34	1.31	0.15	115.0	35	1.08	0.36
503.0	36	1.39	0.16	115.0	37	1.02	0.34	335.0	38	1.53	0.77
335.0	39	0.94	0.31	335.0	40	1.45	0.73	503.0	41	0.92	0.31
503.0	42	1.44	0.73	503.0	43	1.09	0.36	335.0	44	1.57	0.79
378.0	45	1.02	0.34	335.0	46	1.58	0.80	503.0	170	1.25	0.47
378.0	171	1.29	0.49	378.0	172	1.31	0.49	378.0	173	1.21	0.46
424.5	174	1.32	0.50	378.0	175	1.07	0.45	424.5	176	1.13	0.48
424.5	177	1.16	0.49	424.5	178	1.18	0.50	424.5	179	1.19	0.50
388.0	180	1.17	0.50	424.5	181	1.32	0.50	378.0	194	1.47	0.57
66	195	1.61	0.62	388.0							
335.0	15	1.05	0.35	335.0	16	1.40	0.70	503.0	17	1.16	0.39
503.0	18	1.52	0.77	503.0	19	1.25	0.42	335.0	20	1.61	0.81
450.0	21	1.30	0.44	335.0	22	1.65	0.83	503.0	23	0.84	0.38
388.0	24	1.55	0.60	388.0	25	0.93	0.42	450.0	26	1.72	0.67
450.0	27	1.00	0.45	450.0	28	1.84	0.71	388.0	29	1.07	0.48
503.0	30	1.87	0.72	388.0	31	0.82	0.27	335.0	32	1.30	0.65
335.0	33	0.70	0.23	335.0	34	1.02	0.12	115.0	35	1.05	0.35
503.0	36	1.47	0.17	115.0	37	1.12	0.38	335.0	38	1.75	0.88

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388.0	180	0.83	0.35	424.5	181	0.91	0.34	378.0	194	1.56	0.61
	195	1.46	0.57	388.0							
73	15	1.34	0.45	335.0	16	1.72	0.86	503.0	17	1.28	0.43
335.0											
	18	1.67	0.84	503.0	19	1.19	0.40	335.0	20	1.59	0.80
503.0											
	21	1.08	0.36	335.0	22	1.46	0.73	503.0	23	1.19	0.53
450.0											
	24	1.87	0.72	388.0	25	1.12	0.51	450.0	26	1.83	0.71
388.0											
	27	1.05	0.47	450.0	28	1.71	0.67	388.0	29	0.96	0.43
450.0											
	30	1.54	0.60	388.0	31	1.22	0.41	335.0	32	1.78	0.90
503.0											
	33	1.15	0.39	335.0	34	1.57	0.18	115.0	35	0.82	0.27
335.0											
	36	1.07	0.12	115.0	37	0.88	0.29	335.0	38	1.34	0.67
503.0											
	39	1.15	0.38	335.0	40	1.81	0.91	503.0	41	1.20	0.40
335.0											
	42	1.81	0.91	503.0	43	0.88	0.29	335.0	44	1.29	0.65
503.0											
	45	0.89	0.30	335.0	46	1.32	0.67	503.0	170	1.33	0.50
378.0											
	171	1.26	0.48	378.0	172	1.17	0.44	378.0	173	1.40	0.53
378.0											
	174	1.07	0.40	378.0	175	1.26	0.54	424.5	176	1.23	0.52
424.5											
	177	1.16	0.49	424.5	178	1.08	0.46	424.5	179	0.99	0.42
424.5											
	180	0.88	0.37	424.5	181	0.96	0.36	378.0	194	1.76	0.68
388.0											
	195	1.28	0.49	388.0							
74	15	1.16	0.39	335.0	16	1.46	0.73	503.0	17	1.16	0.39
335.0											
	18	1.48	0.75	503.0	19	1.13	0.38	335.0	20	1.46	0.73
503.0											
	21	1.07	0.36	335.0	22	1.39	0.70	503.0	23	1.02	0.46
450.0											
	24	1.78	0.69	388.0	25	1.02	0.46	450.0	26	1.81	0.70
388.0											
	27	1.00	0.45	450.0	28	1.78	0.69	388.0	29	0.97	0.44
450.0											
	30	1.67	0.65	388.0	31	0.94	0.32	335.0	32	1.49	0.75
503.0											
	33	0.96	0.32	335.0	34	1.34	0.15	115.0	35	0.89	0.30
335.0											
	36	1.19	0.14	115.0	37	0.84	0.28	335.0	38	1.36	0.68
503.0											
	39	0.97	0.33	335.0	40	1.54	0.77	503.0	41	0.93	0.31
335.0											
	42	1.54	0.77	503.0	43	0.83	0.28	335.0	44	1.41	0.71
503.0											
	45	0.84	0.28	335.0	46	1.40	0.70	503.0	170	1.22	0.46
378.0											
	171	1.21	0.46	378.0	172	1.19	0.45	378.0	173	1.22	0.46
378.0											
	174	1.16	0.44	378.0	175	1.09	0.46	424.5	176	1.08	0.46
424.5											
	177	1.07	0.45	424.5	178	1.05	0.45	424.5	179	1.02	0.43
424.5											
	180	1.00	0.42	424.5	181	1.11	0.42	378.0	194	1.59	0.62
388.0											
	195	1.46	0.57	388.0							
75	15	1.20	0.40	335.0	16	1.53	0.77	503.0	17	1.20	0.40

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335.0											
	18	1.55	0.78	503.0	19	1.16	0.39	335.0	20	1.53	0.77
503.0											
	21	1.10	0.37	335.0	22	1.46	0.73	503.0	23	1.14	0.51
450.0											
	24	1.77	0.69	388.0	25	1.13	0.51	450.0	26	1.80	0.70
388.0											
	27	1.11	0.50	450.0	28	1.77	0.69	388.0	29	1.08	0.49
450.0											
	30	1.67	0.65	388.0	31	1.02	0.34	335.0	32	1.53	0.77
503.0											
	33	1.08	0.36	335.0	34	1.39	0.16	115.0	35	0.97	0.33
335.0											
	36	1.31	0.15	115.0	37	0.93	0.31	335.0	38	1.39	0.70
503.0											
	39	1.09	0.36	335.0	40	1.57	0.79	503.0	41	1.02	0.34
335.0											
	42	1.58	0.80	503.0	43	0.94	0.31	335.0	44	1.45	0.73
503.0											
	45	0.92	0.31	335.0	46	1.44	0.73	503.0	170	1.32	0.50
378.0											
	171	1.31	0.49	378.0	172	1.29	0.49	378.0	173	1.32	0.50
378.0											
	174	1.25	0.47	378.0	175	1.17	0.50	424.5	176	1.19	0.50
424.5											
	177	1.18	0.50	424.5	178	1.16	0.49	424.5	179	1.13	0.48
424.5											
	180	1.07	0.45	424.5	181	1.21	0.46	378.0	194	1.61	0.62
388.0											
	195	1.47	0.57	388.0							
76	15	1.30	0.44	335.0	16	1.65	0.83	503.0	17	1.25	0.42
335.0											
	18	1.61	0.81	503.0	19	1.16	0.39	335.0	20	1.52	0.77
503.0											
	21	1.05	0.35	335.0	22	1.40	0.70	503.0	23	1.07	0.48
450.0											
	24	1.87	0.72	388.0	25	1.00	0.45	450.0	26	1.84	0.71
388.0											
	27	0.93	0.42	450.0	28	1.72	0.67	388.0	29	0.84	0.38
450.0											
	30	1.55	0.60	388.0	31	1.12	0.38	335.0	32	1.75	0.88
503.0											
	33	1.05	0.35	335.0	34	1.47	0.17	115.0	35	0.70	0.23
335.0											
	36	1.02	0.12	115.0	37	0.82	0.27	335.0	38	1.30	0.65
503.0											
	39	1.03	0.35	335.0	40	1.78	0.89	503.0	41	1.12	0.37
335.0											
	42	1.76	0.89	503.0	43	0.76	0.26	335.0	44	1.26	0.63
503.0											
	45	0.81	0.27	335.0	46	1.28	0.64	503.0	170	1.23	0.47
378.0											
	171	1.15	0.44	378.0	172	1.06	0.40	378.0	173	1.29	0.49
378.0											
	174	0.97	0.37	378.0	175	1.18	0.50	424.5	176	1.11	0.47
424.5											
	177	1.05	0.44	424.5	178	0.97	0.41	424.5	179	0.88	0.37
424.5											
	180	0.79	0.34	424.5	181	0.85	0.32	378.0	194	1.75	0.68
388.0											
	195	1.26	0.49	388.0							

Cmb **1000 etaT/h**
1.90

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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 Z
			cm	cm	cm			
	1	5	0.02	7.01e-03	-0.64	-9.71e-05	6.54e-05	1.34e-06
	1	10	2.85e-03	0.03	-0.53	-1.26e-04	6.13e-05	1.60e-05
	1	11	1.67e-03	-0.02	-0.66	-5.29e-05	2.94e-05	9.62e-06
	1	13	0.12	0.05	-0.32	-1.89e-04	2.76e-04	2.88e-05
	1	41	9.61e-03	0.16	-0.27	-4.11e-04	2.25e-04	-3.01e-06
	1	44	-6.75e-03	-0.15	-0.64	2.96e-04	-1.67e-04	2.01e-05
	1	45	0.09	0.04	-0.36	-1.51e-04	2.05e-04	2.30e-05
	1	73	7.26e-03	0.11	-0.32	-3.10e-04	1.69e-04	0.0
	1	76	-4.40e-03	-0.11	-0.59	1.95e-04	-1.11e-04	1.67e-05
	1	79	0.01	4.66e-03	-0.47	-6.81e-05	4.65e-05	1.87e-06
	1	81	2.29e-03	0.02	-0.46	-9.24e-05	4.80e-05	1.31e-05
	1	82	1.27e-03	-0.01	-0.49	-3.87e-05	2.25e-05	7.39e-06
	1	83	1.57e-03	2.17e-03	-0.46	-6.23e-05	3.13e-05	8.58e-06
	1	84	1.51e-03	1.89e-03	-0.46	-5.85e-05	3.03e-05	8.82e-06
	1	86	1.43e-03	1.85e-03	-0.46	-5.77e-05	2.89e-05	8.52e-06
	2	1	3.49e-03	7.36e-03	-0.77	-1.40e-04	1.95e-04	-1.07e-05
	2	5	0.02	9.12e-03	-0.73	-1.19e-04	1.86e-04	-8.29e-06
	2	9	2.69e-03	0.03	-0.73	-1.35e-04	1.80e-04	-1.29e-05
	2	13	0.12	0.01	-0.42	-9.91e-05	3.53e-04	-2.06e-05
	2	20	-0.11	-0.02	-0.62	-5.77e-05	-1.40e-04	1.63e-05
	2	41	0.02	0.14	-0.42	-2.01e-04	2.44e-04	-4.24e-05
	2	45	0.08	9.76e-03	-0.45	-9.40e-05	2.82e-04	-1.69e-05
	2	52	-0.08	-0.01	-0.59	-6.45e-05	-6.93e-05	9.47e-06
	2	73	0.01	0.10	-0.45	-1.67e-04	2.04e-04	-3.24e-05
	2	77	2.49e-03	5.22e-03	-0.56	-1.01e-04	1.42e-04	-7.95e-06
	2	79	0.01	6.39e-03	-0.54	-8.71e-05	1.35e-04	-6.32e-06
	2	81	1.96e-03	0.02	-0.53	-9.81e-05	1.31e-04	-9.37e-06
	2	83	1.68e-03	4.12e-03	-0.52	-8.58e-05	1.12e-04	-7.55e-06
	2	86	1.47e-03	3.81e-03	-0.52	-8.14e-05	1.06e-04	-7.54e-06
	3	1	4.98e-03	2.53e-03	-0.80	-6.18e-05	1.28e-04	-4.34e-06
	3	5	0.02	4.74e-03	-0.76	-4.63e-05	1.13e-04	-1.11e-05
	3	10	3.13e-03	0.02	-0.65	-7.05e-05	8.64e-05	-4.03e-06
	3	13	0.12	0.05	-0.45	-1.20e-04	2.26e-04	-1.45e-05
	3	16	-0.11	-0.05	-0.63	5.03e-05	-1.27e-04	7.72e-06
	3	41	0.03	0.15	-0.50	-3.11e-04	1.31e-04	-3.95e-05
	3	45	0.08	0.03	-0.47	-9.59e-05	1.76e-04	-1.13e-05
	3	48	-0.08	-0.03	-0.60	-2.58e-05	-7.63e-05	4.53e-06
	3	73	0.02	0.11	-0.51	-2.32e-04	1.08e-04	-2.91e-05
	3	77	3.51e-03	1.68e-03	-0.58	-4.38e-05	9.06e-05	-3.25e-06
	3	79	0.01	3.15e-03	-0.55	-3.35e-05	8.12e-05	-7.78e-06
	3	81	2.58e-03	0.02	-0.56	-5.36e-05	7.15e-05	-3.57e-06

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3	83	2.03e-03	1.25e-03	-0.54	-3.88e-05	5.70e-05	-3.20e-06
3	86	1.68e-03	9.91e-04	-0.54	-3.51e-05	4.97e-05	-3.37e-06
4	1	4.21e-03	-2.16e-03	-0.81	9.36e-06	1.67e-04	8.77e-06
4	5	0.03	7.28e-04	-0.76	1.48e-05	1.74e-04	-1.72e-06
4	11	3.47e-03	-0.02	-0.76	1.88e-05	1.18e-04	4.36e-06
4	14	0.12	-6.71e-03	-0.46	-8.21e-06	3.19e-04	1.20e-05
4	19	-0.11	0.02	-0.63	1.96e-05	-1.92e-04	-1.70e-05
4	44	-0.04	-0.13	-0.50	2.95e-05	3.99e-05	1.16e-05
4	46	0.08	-5.25e-03	-0.49	-4.68e-06	2.45e-04	9.15e-06
4	51	-0.08	0.01	-0.60	1.52e-05	-1.19e-04	-1.15e-05
4	76	-0.03	-0.10	-0.51	2.23e-05	4.66e-05	8.89e-06
4	77	3.01e-03	-1.73e-03	-0.59	8.03e-06	1.17e-04	5.98e-06
4	79	0.02	1.91e-04	-0.56	1.17e-05	1.22e-04	-1.01e-06
4	82	2.52e-03	-0.02	-0.56	1.43e-05	8.43e-05	3.04e-06
4	83	2.21e-03	-1.49e-03	-0.55	2.73e-06	7.57e-05	3.33e-06
4	84	2.22e-03	-1.79e-03	-0.55	7.78e-06	6.50e-05	1.91e-06
4	86	2.07e-03	-1.58e-03	-0.54	4.06e-06	6.32e-05	2.20e-06
5	1	1.68e-03	-5.43e-04	-0.81	-1.40e-05	1.16e-04	-1.35e-05
5	5	0.02	2.89e-03	-0.76	-1.83e-05	1.30e-04	-7.69e-06
5	11	1.35e-03	-0.02	-0.77	-1.07e-05	7.35e-05	-5.31e-06
5	22	0.13	0.02	-0.45	9.42e-05	3.10e-04	-5.63e-05
5	23	-0.13	-0.02	-0.64	-1.34e-04	-2.48e-04	4.65e-05
5	44	-0.05	-0.14	-0.56	6.19e-05	-8.23e-06	3.32e-05
5	54	0.09	0.01	-0.48	6.15e-05	2.30e-04	-4.15e-05
5	55	-0.09	-0.01	-0.61	-1.01e-04	-1.68e-04	3.17e-05
5	76	-0.04	-0.10	-0.55	3.85e-05	3.05e-06	2.23e-05
5	77	1.15e-03	-4.96e-04	-0.59	-1.01e-05	7.94e-05	-9.45e-06
5	79	0.02	1.79e-03	-0.56	-1.29e-05	8.87e-05	-5.61e-06
5	82	9.32e-04	-0.01	-0.56	-7.92e-06	5.09e-05	-4.02e-06
5	83	5.97e-04	-1.73e-04	-0.55	-1.72e-05	4.24e-05	-6.17e-06
5	84	6.91e-04	-9.64e-06	-0.55	-1.99e-05	3.22e-05	-4.69e-06
5	86	5.39e-04	-4.01e-05	-0.55	-1.97e-05	3.11e-05	-4.90e-06
6	1	-2.53e-03	3.25e-04	-0.82	-2.51e-05	-4.35e-05	-1.78e-06
6	7	-0.03	-1.87e-03	-0.79	-4.66e-05	-7.92e-05	0.0
6	10	-3.40e-03	0.03	-0.69	-9.67e-05	-6.21e-05	3.93e-06
6	23	-0.16	-0.02	-0.73	-2.16e-04	-3.14e-04	5.76e-05
6	39	-0.02	0.15	-0.75	-5.31e-04	-2.95e-04	-1.65e-05
6	41	0.06	0.16	-0.68	-4.87e-04	-1.73e-04	-3.87e-05
6	55	-0.11	-0.01	-0.68	-1.62e-04	-2.40e-04	4.13e-05
6	71	-0.02	0.11	-0.70	-3.87e-04	-2.27e-04	-1.16e-05
6	73	0.04	0.12	-0.64	-3.56e-04	-1.40e-04	-2.73e-05
6	77	-2.10e-03	1.51e-04	-0.59	-1.85e-05	-3.63e-05	-1.04e-06
6	80	-0.02	-1.31e-03	-0.58	-3.28e-05	-6.01e-05	0.0
6	81	-3.30e-03	0.02	-0.58	-6.89e-05	-5.96e-05	3.00e-06
6	83	-3.17e-03	4.08e-04	-0.56	-2.55e-05	-5.38e-05	0.0
6	84	-3.22e-03	6.98e-04	-0.56	-3.06e-05	-5.37e-05	0.0
6	85	-3.39e-03	5.87e-04	-0.56	-2.91e-05	-5.69e-05	0.0
6	86	-3.39e-03	5.87e-04	-0.56	-2.91e-05	-5.69e-05	0.0
7	1	4.09e-03	0.02	-0.71	-3.22e-04	7.30e-05	0.0
7	5	0.02	0.02	-0.68	-2.80e-04	7.52e-05	0.0
7	9	4.04e-03	0.04	-0.68	-3.00e-04	7.74e-05	0.0
7	13	0.12	0.05	-0.44	-2.32e-04	1.78e-04	1.97e-05
7	41	7.81e-03	0.14	-0.39	-3.62e-04	1.64e-04	-3.21e-05
7	44	-3.13e-03	-0.12	-0.58	4.96e-06	-8.01e-05	3.46e-05
7	45	0.08	0.04	-0.45	-2.16e-04	1.39e-04	1.44e-05
7	73	6.23e-03	0.10	-0.42	-3.09e-04	1.29e-04	-2.25e-05
7	76	-1.56e-03	-0.08	-0.55	-4.77e-05	-4.50e-05	2.51e-05
7	77	2.98e-03	0.01	-0.52	-2.29e-04	5.30e-05	0.0
7	79	0.01	0.01	-0.50	-2.02e-04	5.45e-05	0.0
7	81	2.95e-03	0.03	-0.50	-2.15e-04	5.60e-05	0.0
7	83	2.44e-03	0.01	-0.49	-1.88e-04	4.39e-05	1.12e-06
7	84	2.42e-03	9.95e-03	-0.49	-1.84e-04	4.36e-05	1.24e-06
7	86	2.34e-03	9.69e-03	-0.48	-1.78e-04	4.21e-05	1.27e-06
8	1	2.20e-03	3.98e-03	-0.91	-6.77e-05	1.36e-04	-5.96e-06
8	5	0.02	4.60e-03	-0.86	-4.43e-05	1.33e-04	-9.97e-06
8	9	1.67e-03	0.02	-0.86	-5.70e-05	1.26e-04	-6.66e-06

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8	13	0.11	0.04	-0.57	-4.77e-05	2.39e-04	1.44e-05
8	20	-0.11	-0.04	-0.63	3.65e-06	-9.54e-05	-1.15e-05
8	41	0.02	0.13	-0.58	-1.31e-04	1.74e-04	-3.96e-05
8	45	0.08	0.03	-0.58	-4.10e-05	1.91e-04	8.96e-06
8	52	-0.07	-0.03	-0.62	-4.44e-06	-4.74e-05	-9.53e-06
8	73	0.01	0.09	-0.58	-1.01e-04	1.45e-04	-2.95e-05
8	77	1.54e-03	2.79e-03	-0.66	-4.74e-05	9.80e-05	-4.45e-06
8	79	0.01	3.20e-03	-0.63	-3.17e-05	9.56e-05	-7.12e-06
8	81	1.19e-03	0.02	-0.63	-4.02e-05	9.10e-05	-4.91e-06
8	83	9.35e-04	1.96e-03	-0.61	-2.99e-05	7.57e-05	-4.45e-06
8	84	8.40e-04	1.73e-03	-0.61	-2.51e-05	7.57e-05	-4.69e-06
8	86	7.81e-04	1.71e-03	-0.60	-2.45e-05	7.17e-05	-4.56e-06
9	1	5.45e-03	-6.35e-04	-0.89	2.82e-05	1.24e-04	1.27e-06
9	5	0.02	-8.72e-04	-0.84	6.59e-05	1.13e-04	0.0
9	11	4.21e-03	-0.02	-0.84	7.36e-05	9.75e-05	1.83e-06
9	13	0.12	0.04	-0.56	2.09e-05	1.90e-04	2.05e-05
9	19	-0.11	0.02	-0.61	3.94e-05	-5.46e-05	-1.98e-05
9	44	-0.02	-0.12	-0.57	1.00e-04	-3.40e-06	3.48e-05
9	45	0.08	0.02	-0.56	2.77e-05	1.52e-04	1.50e-05
9	51	-0.08	0.01	-0.60	4.09e-05	-2.21e-05	-1.37e-05
9	76	-0.01	-0.09	-0.58	8.42e-05	1.44e-05	2.52e-05
9	77	3.87e-03	-7.13e-04	-0.65	2.50e-05	8.85e-05	1.03e-06
9	79	0.02	-8.71e-04	-0.61	5.02e-05	8.08e-05	0.0
9	82	3.05e-03	-0.02	-0.61	5.53e-05	7.07e-05	1.41e-06
9	83	2.80e-03	-1.26e-03	-0.59	3.56e-05	6.38e-05	1.30e-06
9	84	2.70e-03	-2.07e-03	-0.59	5.11e-05	6.23e-05	1.34e-06
9	86	2.56e-03	-1.73e-03	-0.58	4.46e-05	5.86e-05	1.36e-06
10	1	1.61e-03	0.04	-0.82	-2.23e-05	3.18e-04	-9.82e-06
10	5	0.13	0.04	-0.77	-1.94e-05	2.89e-04	-6.04e-05
10	9	2.56e-03	0.23	-0.78	-1.69e-04	2.95e-04	1.44e-05
10	13	1.35	0.32	-0.44	-3.36e-04	4.52e-04	1.05e-04
10	20	-1.30	-0.38	-0.65	3.68e-04	-1.13e-04	-8.01e-05
10	41	0.28	1.88	-0.48	-1.62e-03	3.27e-04	-1.20e-05
10	45	0.96	0.24	-0.47	-2.46e-04	3.71e-04	7.30e-05
10	52	-0.92	-0.26	-0.62	2.57e-04	-3.14e-05	-5.88e-05
10	73	0.20	1.34	-0.50	-1.16e-03	2.82e-04	-1.03e-05
10	77	1.15e-03	0.03	-0.60	-1.59e-05	2.28e-04	-7.04e-06
10	79	0.09	0.03	-0.57	-1.40e-05	2.09e-04	-4.08e-05
10	81	1.78e-03	0.16	-0.57	-1.14e-04	2.13e-04	9.14e-06
10	83	9.40e-04	0.03	-0.56	-2.21e-05	1.78e-04	-6.08e-06
10	86	8.98e-04	0.03	-0.55	-2.08e-05	1.71e-04	-5.91e-06
11	1	4.32e-04	0.04	-0.83	-4.38e-05	2.46e-04	2.90e-06
11	5	0.14	0.04	-0.78	-3.59e-05	1.79e-04	-2.55e-05
11	9	2.12e-04	0.23	-0.80	-2.14e-05	2.23e-04	-1.14e-06
11	14	1.40	-0.51	-0.47	-1.01e-04	5.08e-04	-1.52e-04
11	39	-0.33	1.81	-0.66	1.30e-04	-8.08e-06	-1.01e-04
11	41	0.47	1.88	-0.63	1.11e-04	2.17e-04	-2.26e-04
11	46	1.00	-0.35	-0.50	-8.13e-05	3.99e-04	-1.08e-04
11	71	-0.24	1.30	-0.63	8.35e-05	3.16e-05	-7.19e-05
11	73	0.34	1.35	-0.61	6.99e-05	1.92e-04	-1.61e-04
11	77	3.08e-04	0.03	-0.61	-3.16e-05	1.76e-04	2.11e-06
11	79	0.09	0.03	-0.58	-2.63e-05	1.32e-04	-1.68e-05
11	81	1.61e-04	0.16	-0.59	-1.67e-05	1.61e-04	0.0
11	83	2.42e-04	0.03	-0.57	-3.41e-05	1.35e-04	1.53e-06
11	86	2.29e-04	0.03	-0.56	-3.21e-05	1.30e-04	1.42e-06
12	1	1.34e-03	-4.29e-03	-0.82	1.18e-04	1.75e-05	4.39e-06
12	6	0.02	1.64e-03	-0.67	3.60e-05	2.94e-05	-1.21e-06
12	11	1.11e-03	-0.02	-0.77	7.57e-05	1.91e-05	2.92e-06
12	23	-0.15	3.39e-03	-0.61	-8.15e-05	-1.99e-04	4.92e-05
12	39	-0.02	0.12	-0.63	-1.60e-04	-1.67e-04	-1.17e-05
12	44	-0.06	-0.12	-0.49	1.66e-04	6.15e-05	3.48e-05
12	55	-0.11	2.43e-03	-0.59	-5.17e-05	-1.43e-04	3.59e-05
12	71	-0.01	0.08	-0.60	-1.07e-04	-1.21e-04	-7.48e-06
12	76	-0.05	-0.09	-0.51	1.25e-04	4.21e-05	2.57e-05
12	77	7.84e-04	-2.93e-03	-0.59	8.13e-05	9.35e-06	3.31e-06
12	79	0.02	9.36e-04	-0.56	3.12e-05	1.38e-05	0.0

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12	82	6.30e-04	-0.02	-0.56	5.34e-05	1.04e-05	2.33e-06
12	83	-1.23e-05	-9.43e-04	-0.55	4.05e-05	-3.76e-06	3.10e-06
12	85	-1.73e-04	-2.78e-05	-0.54	2.21e-05	-6.09e-06	2.95e-06
12	86	-1.73e-04	-2.78e-05	-0.54	2.21e-05	-6.09e-06	2.95e-06
13	1	9.57e-04	0.02	-0.73	-3.16e-04	1.71e-05	1.68e-06
13	5	0.02	0.02	-0.70	-2.73e-04	2.05e-05	0.0
13	9	9.35e-04	0.04	-0.70	-2.91e-04	1.88e-05	1.70e-06
13	13	0.11	0.04	-0.48	-2.11e-04	6.21e-05	2.01e-05
13	41	3.46e-03	0.12	-0.44	-3.17e-04	5.15e-05	-2.93e-05
13	44	-2.38e-03	-0.10	-0.55	-2.77e-05	-3.17e-05	3.16e-05
13	45	0.08	0.03	-0.48	-2.00e-04	4.71e-05	1.46e-05
13	73	2.62e-03	0.09	-0.46	-2.75e-04	3.96e-05	-2.06e-05
13	76	-1.54e-03	-0.07	-0.54	-6.92e-05	-1.98e-05	2.29e-05
13	77	7.06e-04	0.01	-0.53	-2.26e-04	1.26e-05	1.25e-06
13	79	0.01	0.01	-0.52	-1.97e-04	1.49e-05	0.0
13	81	6.91e-04	0.03	-0.51	-2.09e-04	1.37e-05	1.27e-06
13	83	5.64e-04	0.01	-0.50	-1.82e-04	1.03e-05	1.17e-06
13	84	5.66e-04	0.01	-0.50	-1.78e-04	1.04e-05	1.16e-06
13	86	5.40e-04	1.00e-02	-0.50	-1.72e-04	9.88e-06	1.15e-06
14	1	4.21e-04	6.32e-03	-0.94	-9.05e-05	2.41e-05	0.0
14	5	0.02	5.35e-03	-0.89	-6.00e-05	2.98e-05	-3.35e-06
14	9	2.74e-04	0.03	-0.89	-7.02e-05	2.21e-05	0.0
14	13	0.11	0.04	-0.61	-5.58e-05	1.15e-04	1.89e-05
14	39	-0.04	0.11	-0.61	-1.17e-04	-3.93e-06	-2.52e-05
14	41	0.02	0.11	-0.61	-1.16e-04	5.15e-05	-3.21e-05
14	45	0.08	0.03	-0.61	-4.94e-05	8.54e-05	1.34e-05
14	71	-0.03	0.08	-0.61	-9.31e-05	0.0	-1.80e-05
14	73	0.01	0.08	-0.61	-9.21e-05	4.01e-05	-2.30e-05
14	77	2.91e-04	4.48e-03	-0.68	-6.31e-05	1.74e-05	0.0
14	79	0.01	3.84e-03	-0.65	-4.27e-05	2.12e-05	-2.28e-06
14	81	1.93e-04	0.02	-0.65	-4.95e-05	1.61e-05	0.0
14	83	1.27e-04	3.36e-03	-0.62	-4.02e-05	1.24e-05	0.0
14	84	9.49e-05	3.06e-03	-0.62	-3.42e-05	1.25e-05	0.0
14	86	8.28e-05	3.02e-03	-0.61	-3.33e-05	1.15e-05	0.0
15	1	4.20e-04	-8.18e-04	-0.92	4.86e-05	1.98e-05	0.0
15	5	0.02	-2.48e-03	-0.86	9.15e-05	2.11e-05	-2.34e-06
15	11	2.10e-04	-0.02	-0.86	9.45e-05	1.40e-05	0.0
15	13	0.11	0.03	-0.60	4.90e-05	7.91e-05	-8.67e-06
15	39	-0.04	0.10	-0.61	2.87e-05	-3.66e-06	-1.47e-05
15	44	-0.02	-0.11	-0.57	9.54e-05	-1.86e-05	3.01e-05
15	45	0.08	0.02	-0.59	5.25e-05	5.86e-05	-6.10e-06
15	71	-0.03	0.07	-0.61	3.80e-05	0.0	-1.04e-05
15	76	-0.02	-0.08	-0.58	8.55e-05	-1.10e-05	2.15e-05
15	77	2.98e-04	-8.37e-04	-0.67	4.04e-05	1.42e-05	0.0
15	79	0.01	-1.95e-03	-0.63	6.91e-05	1.50e-05	-1.52e-06
15	82	1.58e-04	-0.02	-0.63	7.11e-05	1.03e-05	0.0
15	83	1.33e-04	-1.38e-03	-0.61	5.14e-05	8.91e-06	0.0
15	84	1.20e-04	-2.26e-03	-0.60	6.83e-05	8.72e-06	0.0
15	86	9.70e-05	-1.88e-03	-0.59	6.10e-05	7.87e-06	0.0
16	1	3.89e-04	0.04	-0.83	3.20e-05	1.92e-04	-1.76e-06
16	5	0.15	0.04	-0.78	2.67e-05	1.34e-04	7.17e-06
16	9	4.75e-04	0.23	-0.79	8.49e-06	1.64e-04	-6.41e-06
16	23	-1.49	0.08	-0.66	-1.05e-04	-3.53e-04	-1.83e-04
16	25	1.49	0.91	-0.47	9.76e-05	4.86e-04	1.77e-04
16	41	0.58	1.88	-0.53	-4.87e-06	1.38e-04	-6.85e-05
16	55	-1.06	0.07	-0.63	-7.14e-05	-2.23e-04	-1.31e-04
16	57	1.07	0.65	-0.50	7.31e-05	3.74e-04	1.26e-04
16	73	0.42	1.35	-0.54	0.0	1.26e-04	-4.92e-05
16	77	2.71e-04	0.03	-0.61	2.43e-05	1.37e-04	-1.23e-06
16	79	0.10	0.03	-0.57	2.08e-05	9.75e-05	4.73e-06
16	81	3.28e-04	0.16	-0.58	8.66e-06	1.18e-04	-4.33e-06
16	83	2.21e-04	0.03	-0.57	1.53e-05	1.01e-04	-1.10e-06
16	84	2.23e-04	0.02	-0.57	1.25e-05	1.07e-04	-1.18e-06
16	86	2.13e-04	0.03	-0.56	1.24e-05	9.74e-05	-1.12e-06
17	1	7.13e-04	0.04	-0.83	1.40e-06	1.80e-04	0.0
17	5	0.15	0.04	-0.78	-1.17e-06	1.70e-04	4.99e-05

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17	9	-5.40e-04	0.23	-0.82	-1.31e-04	1.44e-04	2.88e-05
17	22	1.59	-0.03	-0.38	4.88e-04	4.49e-04	-2.38e-04
17	39	-0.21	1.81	-0.79	-1.36e-03	-1.82e-04	2.90e-05
17	41	0.66	1.88	-0.71	-1.28e-03	-2.01e-06	-8.41e-06
17	54	1.14	-0.02	-0.43	3.47e-04	3.45e-04	-1.69e-04
17	71	-0.15	1.30	-0.73	-9.69e-04	-1.04e-04	2.10e-05
17	73	0.47	1.35	-0.67	-9.17e-04	2.36e-05	-5.69e-06
17	77	4.87e-04	0.03	-0.60	2.29e-06	1.27e-04	0.0
17	79	0.10	0.03	-0.57	0.0	1.20e-04	3.31e-05
17	81	-3.48e-04	0.16	-0.60	-8.61e-05	1.02e-04	1.91e-05
17	83	3.55e-04	0.03	-0.57	-3.80e-06	9.07e-05	0.0
17	84	3.79e-04	0.02	-0.57	-3.00e-06	9.78e-05	0.0
17	86	3.42e-04	0.03	-0.56	-4.54e-06	8.74e-05	1.00e-06
18	1	-1.09e-04	-3.25e-03	-0.82	9.96e-05	-2.73e-06	-1.36e-06
18	7	-0.02	8.87e-04	-0.78	8.90e-06	-1.34e-05	1.67e-06
18	9	-3.61e-04	0.02	-0.78	-1.20e-05	-8.51e-06	0.0
18	23	-0.15	0.02	-0.56	-3.39e-05	-1.11e-04	4.33e-05
18	39	-0.01	0.10	-0.57	-8.86e-05	-6.53e-05	-1.56e-05
18	41	0.07	0.11	-0.56	-7.86e-05	-1.01e-05	-3.18e-05
18	55	-0.11	0.02	-0.55	-2.19e-05	-8.10e-05	3.07e-05
18	71	-9.37e-03	0.08	-0.56	-6.09e-05	-4.82e-05	-1.13e-05
18	73	0.05	0.08	-0.56	-5.38e-05	-8.88e-06	-2.28e-05
18	77	-1.20e-04	-2.15e-03	-0.59	6.90e-05	-2.78e-06	0.0
18	80	-0.01	6.03e-04	-0.57	8.50e-06	-9.86e-06	1.11e-06
18	81	-2.87e-04	0.02	-0.57	-5.43e-06	-6.63e-06	0.0
18	83	-2.78e-04	-2.87e-05	-0.55	2.76e-05	-5.50e-06	0.0
18	84	-2.82e-04	1.37e-03	-0.55	0.0	-5.33e-06	0.0
18	85	-3.09e-04	9.95e-04	-0.54	7.93e-06	-5.91e-06	0.0
18	86	-3.09e-04	9.95e-04	-0.54	7.93e-06	-5.91e-06	0.0
19	1	-9.57e-04	0.02	-0.73	-3.16e-04	-1.71e-05	-1.68e-06
19	7	-0.02	0.02	-0.70	-2.73e-04	-2.05e-05	0.0
19	9	-9.35e-04	0.04	-0.70	-2.91e-04	-1.88e-05	-1.70e-06
19	19	-0.11	0.04	-0.48	-2.11e-04	-6.21e-05	-2.01e-05
19	34	2.38e-03	-0.10	-0.55	-2.77e-05	3.17e-05	-3.16e-05
19	35	-3.46e-03	0.12	-0.44	-3.17e-04	-5.15e-05	2.93e-05
19	51	-0.08	0.03	-0.48	-2.00e-04	-4.71e-05	-1.46e-05
19	66	1.54e-03	-0.07	-0.54	-6.92e-05	1.98e-05	-2.29e-05
19	67	-2.62e-03	0.09	-0.46	-2.75e-04	-3.96e-05	2.06e-05
19	77	-7.06e-04	0.01	-0.53	-2.26e-04	-1.26e-05	-1.25e-06
19	80	-0.01	0.01	-0.52	-1.97e-04	-1.49e-05	0.0
19	81	-6.91e-04	0.03	-0.51	-2.09e-04	-1.37e-05	-1.27e-06
19	83	-5.64e-04	0.01	-0.50	-1.82e-04	-1.03e-05	-1.17e-06
19	84	-5.66e-04	0.01	-0.50	-1.78e-04	-1.04e-05	-1.16e-06
19	86	-5.40e-04	1.00e-02	-0.50	-1.72e-04	-9.88e-06	-1.15e-06
20	1	-4.21e-04	6.32e-03	-0.94	-9.05e-05	-2.41e-05	0.0
20	7	-0.02	5.35e-03	-0.89	-6.00e-05	-2.98e-05	3.35e-06
20	9	-2.74e-04	0.03	-0.89	-7.02e-05	-2.21e-05	0.0
20	19	-0.11	0.04	-0.61	-5.58e-05	-1.15e-04	-1.89e-05
20	29	0.04	0.11	-0.61	-1.17e-04	3.93e-06	2.52e-05
20	35	-0.02	0.11	-0.61	-1.16e-04	-5.15e-05	3.21e-05
20	51	-0.08	0.03	-0.61	-4.94e-05	-8.54e-05	-1.34e-05
20	61	0.03	0.08	-0.61	-9.31e-05	0.0	1.80e-05
20	67	-0.01	0.08	-0.61	-9.21e-05	-4.01e-05	2.30e-05
20	77	-2.91e-04	4.48e-03	-0.68	-6.31e-05	-1.74e-05	0.0
20	80	-0.01	3.84e-03	-0.65	-4.27e-05	-2.12e-05	2.28e-06
20	81	-1.93e-04	0.02	-0.65	-4.95e-05	-1.61e-05	0.0
20	83	-1.27e-04	3.36e-03	-0.62	-4.02e-05	-1.24e-05	0.0
20	84	-9.49e-05	3.06e-03	-0.62	-3.42e-05	-1.25e-05	0.0
20	86	-8.28e-05	3.02e-03	-0.61	-3.33e-05	-1.15e-05	0.0
21	1	-4.20e-04	-8.18e-04	-0.92	4.86e-05	-1.98e-05	0.0
21	7	-0.02	-2.48e-03	-0.86	9.15e-05	-2.11e-05	2.34e-06
21	11	-2.10e-04	-0.02	-0.86	9.45e-05	-1.40e-05	0.0
21	19	-0.11	0.03	-0.60	4.90e-05	-7.91e-05	8.67e-06
21	29	0.04	0.10	-0.61	2.87e-05	3.66e-06	1.47e-05
21	34	0.02	-0.11	-0.57	9.54e-05	1.86e-05	-3.01e-05
21	51	-0.08	0.02	-0.59	5.25e-05	-5.86e-05	6.10e-06

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21	61	0.03	0.07	-0.61	3.80e-05	0.0	1.04e-05
21	66	0.02	-0.08	-0.58	8.55e-05	1.10e-05	-2.15e-05
21	77	-2.98e-04	-8.37e-04	-0.67	4.04e-05	-1.42e-05	0.0
21	80	-0.01	-1.95e-03	-0.63	6.91e-05	-1.50e-05	1.52e-06
21	82	-1.58e-04	-0.02	-0.63	7.11e-05	-1.03e-05	0.0
21	83	-1.33e-04	-1.38e-03	-0.61	5.14e-05	-8.91e-06	0.0
21	84	-1.20e-04	-2.26e-03	-0.60	6.83e-05	-8.72e-06	0.0
21	86	-9.70e-05	-1.88e-03	-0.59	6.10e-05	-7.87e-06	0.0
22	1	1.10e-03	0.04	-0.93	-4.26e-05	9.86e-05	0.0
22	5	0.13	0.04	-0.87	-4.24e-05	1.03e-04	-8.63e-06
22	9	1.82e-03	0.24	-0.88	-2.44e-04	8.49e-05	9.85e-06
22	13	1.35	0.41	-0.58	-5.19e-04	3.03e-04	1.28e-04
22	19	-1.34	0.63	-0.64	-6.69e-04	-1.77e-04	-5.09e-05
22	41	0.27	1.85	-0.61	-2.04e-03	1.63e-04	2.16e-06
22	45	0.96	0.30	-0.59	-3.80e-04	2.28e-04	9.09e-05
22	51	-0.96	0.45	-0.63	-4.86e-04	-1.14e-04	-3.64e-05
22	73	0.20	1.33	-0.61	-1.46e-03	1.29e-04	1.46e-06
22	77	7.84e-04	0.03	-0.68	-3.09e-05	6.98e-05	0.0
22	79	0.09	0.03	-0.64	-3.08e-05	7.24e-05	-5.80e-06
22	81	1.26e-03	0.16	-0.64	-1.65e-04	6.07e-05	6.51e-06
22	83	6.22e-04	0.03	-0.62	-3.34e-05	4.83e-05	0.0
22	86	5.88e-04	0.02	-0.60	-3.29e-05	4.35e-05	0.0
23	1	-1.10e-03	0.04	-0.93	-4.26e-05	-9.86e-05	0.0
23	7	-0.13	0.04	-0.87	-4.24e-05	-1.03e-04	8.63e-06
23	9	-1.82e-03	0.24	-0.88	-2.44e-04	-8.49e-05	-9.85e-06
23	13	1.34	0.63	-0.64	-6.69e-04	1.77e-04	5.09e-05
23	19	-1.35	0.41	-0.58	-5.19e-04	-3.03e-04	-1.28e-04
23	35	-0.27	1.85	-0.61	-2.04e-03	-1.63e-04	-2.16e-06
23	45	0.96	0.45	-0.63	-4.86e-04	1.14e-04	3.64e-05
23	51	-0.96	0.30	-0.59	-3.80e-04	-2.28e-04	-9.09e-05
23	67	-0.20	1.33	-0.61	-1.46e-03	-1.29e-04	-1.46e-06
23	77	-7.84e-04	0.03	-0.68	-3.09e-05	-6.98e-05	0.0
23	80	-0.09	0.03	-0.64	-3.08e-05	-7.24e-05	5.80e-06
23	81	-1.26e-03	0.16	-0.64	-1.65e-04	-6.07e-05	-6.51e-06
23	83	-6.22e-04	0.03	-0.62	-3.34e-05	-4.83e-05	0.0
23	86	-5.88e-04	0.02	-0.60	-3.29e-05	-4.35e-05	0.0
24	1	1.09e-04	-3.25e-03	-0.82	9.96e-05	2.73e-06	1.36e-06
24	5	0.02	8.87e-04	-0.78	8.90e-06	1.34e-05	-1.67e-06
24	9	3.61e-04	0.02	-0.78	-1.20e-05	8.51e-06	0.0
24	25	0.15	0.02	-0.56	-3.39e-05	1.11e-04	-4.33e-05
24	29	0.01	0.10	-0.57	-8.86e-05	6.53e-05	1.56e-05
24	35	-0.07	0.11	-0.56	-7.86e-05	1.01e-05	3.18e-05
24	57	0.11	0.02	-0.55	-2.19e-05	8.10e-05	-3.07e-05
24	61	9.37e-03	0.08	-0.56	-6.09e-05	4.82e-05	1.13e-05
24	67	-0.05	0.08	-0.56	-5.38e-05	8.88e-06	2.28e-05
24	77	1.20e-04	-2.15e-03	-0.59	6.90e-05	2.78e-06	0.0
24	79	0.01	6.03e-04	-0.57	8.50e-06	9.86e-06	-1.11e-06
24	81	2.87e-04	0.02	-0.57	-5.43e-06	6.63e-06	0.0
24	83	2.78e-04	-2.87e-05	-0.55	2.76e-05	5.50e-06	0.0
24	84	2.82e-04	1.37e-03	-0.55	0.0	5.33e-06	0.0
24	85	3.09e-04	9.95e-04	-0.54	7.93e-06	5.91e-06	0.0
24	86	3.09e-04	9.95e-04	-0.54	7.93e-06	5.91e-06	0.0
25	1	-4.09e-03	0.02	-0.71	-3.22e-04	-7.30e-05	0.0
25	7	-0.02	0.02	-0.68	-2.80e-04	-7.52e-05	0.0
25	9	-4.04e-03	0.04	-0.68	-3.00e-04	-7.74e-05	0.0
25	19	-0.12	0.05	-0.44	-2.32e-04	-1.78e-04	-1.97e-05
25	34	3.13e-03	-0.12	-0.58	4.96e-06	8.01e-05	-3.46e-05
25	35	-7.81e-03	0.14	-0.39	-3.62e-04	-1.64e-04	3.21e-05
25	51	-0.08	0.04	-0.45	-2.16e-04	-1.39e-04	-1.44e-05
25	66	1.56e-03	-0.08	-0.55	-4.77e-05	4.50e-05	-2.51e-05
25	67	-6.23e-03	0.10	-0.42	-3.09e-04	-1.29e-04	2.25e-05
25	77	-2.98e-03	0.01	-0.52	-2.29e-04	-5.30e-05	0.0
25	80	-0.01	0.01	-0.50	-2.02e-04	-5.45e-05	0.0
25	81	-2.95e-03	0.03	-0.50	-2.15e-04	-5.60e-05	0.0
25	83	-2.44e-03	0.01	-0.49	-1.88e-04	-4.39e-05	-1.12e-06
25	84	-2.42e-03	9.95e-03	-0.49	-1.84e-04	-4.36e-05	-1.24e-06

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25	86	-2.34e-03	9.69e-03	-0.48	-1.78e-04	-4.21e-05	-1.27e-06
26	1	-2.20e-03	3.98e-03	-0.91	-6.77e-05	-1.36e-04	5.96e-06
26	7	-0.02	4.60e-03	-0.86	-4.43e-05	-1.33e-04	9.97e-06
26	9	-1.67e-03	0.02	-0.86	-5.70e-05	-1.26e-04	6.66e-06
26	14	0.11	-0.04	-0.63	3.65e-06	9.54e-05	1.15e-05
26	19	-0.11	0.04	-0.57	-4.77e-05	-2.39e-04	-1.44e-05
26	35	-0.02	0.13	-0.58	-1.31e-04	-1.74e-04	3.96e-05
26	46	0.07	-0.03	-0.62	-4.44e-06	4.74e-05	9.53e-06
26	51	-0.08	0.03	-0.58	-4.10e-05	-1.91e-04	-8.96e-06
26	67	-0.01	0.09	-0.58	-1.01e-04	-1.45e-04	2.95e-05
26	77	-1.54e-03	2.79e-03	-0.66	-4.74e-05	-9.80e-05	4.45e-06
26	80	-0.01	3.20e-03	-0.63	-3.17e-05	-9.56e-05	7.12e-06
26	81	-1.19e-03	0.02	-0.63	-4.02e-05	-9.10e-05	4.91e-06
26	83	-9.35e-04	1.96e-03	-0.61	-2.99e-05	-7.57e-05	4.45e-06
26	84	-8.40e-04	1.73e-03	-0.61	-2.51e-05	-7.57e-05	4.69e-06
26	86	-7.81e-04	1.71e-03	-0.60	-2.45e-05	-7.17e-05	4.56e-06
27	1	-5.45e-03	-6.35e-04	-0.89	2.82e-05	-1.24e-04	-1.27e-06
27	7	-0.02	-8.72e-04	-0.84	6.59e-05	-1.13e-04	0.0
27	11	-4.21e-03	-0.02	-0.84	7.36e-05	-9.75e-05	-1.83e-06
27	13	0.11	0.02	-0.61	3.94e-05	5.46e-05	1.98e-05
27	19	-0.12	0.04	-0.56	2.09e-05	-1.90e-04	-2.05e-05
27	34	0.02	-0.12	-0.57	1.00e-04	3.40e-06	-3.48e-05
27	45	0.08	0.01	-0.60	4.09e-05	2.21e-05	1.37e-05
27	51	-0.08	0.02	-0.56	2.77e-05	-1.52e-04	-1.50e-05
27	66	0.01	-0.09	-0.58	8.42e-05	-1.44e-05	-2.52e-05
27	77	-3.87e-03	-7.13e-04	-0.65	2.50e-05	-8.85e-05	-1.03e-06
27	80	-0.02	-8.71e-04	-0.61	5.02e-05	-8.08e-05	0.0
27	82	-3.05e-03	-0.02	-0.61	5.53e-05	-7.07e-05	-1.41e-06
27	83	-2.80e-03	-1.26e-03	-0.59	3.56e-05	-6.38e-05	-1.30e-06
27	84	-2.70e-03	-2.07e-03	-0.59	5.11e-05	-6.23e-05	-1.34e-06
27	86	-2.56e-03	-1.73e-03	-0.58	4.46e-05	-5.86e-05	-1.36e-06
28	1	-3.89e-04	0.04	-0.83	3.20e-05	-1.92e-04	1.76e-06
28	7	-0.15	0.04	-0.78	2.67e-05	-1.34e-04	-7.17e-06
28	9	-4.75e-04	0.23	-0.79	8.49e-06	-1.64e-04	6.41e-06
28	23	-1.49	0.91	-0.47	9.76e-05	-4.86e-04	-1.77e-04
28	25	1.49	0.08	-0.66	-1.05e-04	3.53e-04	1.83e-04
28	35	-0.58	1.88	-0.53	-4.87e-06	-1.38e-04	6.85e-05
28	55	-1.07	0.65	-0.50	7.31e-05	-3.74e-04	-1.26e-04
28	57	1.06	0.07	-0.63	-7.14e-05	2.23e-04	1.31e-04
28	67	-0.42	1.35	-0.54	0.0	-1.26e-04	4.92e-05
28	77	-2.71e-04	0.03	-0.61	2.43e-05	-1.37e-04	1.23e-06
28	80	-0.10	0.03	-0.57	2.08e-05	-9.75e-05	-4.73e-06
28	81	-3.28e-04	0.16	-0.58	8.66e-06	-1.18e-04	4.33e-06
28	83	-2.21e-04	0.03	-0.57	1.53e-05	-1.01e-04	1.10e-06
28	84	-2.23e-04	0.02	-0.57	1.25e-05	-1.07e-04	1.18e-06
28	86	-2.13e-04	0.03	-0.56	1.24e-05	-9.74e-05	1.12e-06
29	1	4.22e-04	0.04	-0.85	-2.12e-05	-1.11e-05	-4.35e-06
29	5	0.15	0.04	-0.81	-1.20e-05	1.45e-05	-1.06e-05
29	9	-5.60e-04	0.24	-0.82	-1.24e-04	-3.58e-05	1.44e-05
29	22	1.59	-0.22	-0.49	5.07e-04	3.44e-04	-2.75e-04
29	39	-0.20	1.81	-0.65	-1.54e-03	-2.43e-04	3.42e-05
29	41	0.66	1.85	-0.62	-1.49e-03	-5.81e-05	-7.94e-06
29	54	1.13	-0.15	-0.52	3.58e-04	3.38e-04	-1.96e-04
29	71	-0.15	1.30	-0.63	-1.10e-03	-1.80e-04	2.40e-05
29	73	0.47	1.33	-0.61	-1.07e-03	-4.81e-05	-6.05e-06
29	77	2.84e-04	0.03	-0.62	-1.36e-05	-1.17e-05	-3.06e-06
29	79	0.10	0.03	-0.59	-7.53e-06	5.41e-06	-7.21e-06
29	81	-3.71e-04	0.16	-0.60	-8.20e-05	-2.82e-05	9.47e-06
29	83	1.82e-04	0.03	-0.58	-1.48e-05	-2.16e-05	-1.78e-06
29	84	1.99e-04	0.02	-0.57	-1.01e-05	-2.17e-05	-1.51e-06
29	86	1.71e-04	0.03	-0.57	-1.29e-05	-2.34e-05	-1.42e-06
30	1	-1.34e-03	-4.29e-03	-0.82	1.18e-04	-1.75e-05	-4.39e-06
30	8	-0.02	1.64e-03	-0.67	3.60e-05	-2.94e-05	1.21e-06
30	11	-1.11e-03	-0.02	-0.77	7.57e-05	-1.91e-05	-2.92e-06
30	25	0.15	3.39e-03	-0.61	-8.15e-05	1.99e-04	-4.92e-05
30	29	0.02	0.12	-0.63	-1.60e-04	1.67e-04	1.17e-05

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30	34	0.06	-0.12	-0.49	1.66e-04	-6.15e-05	-3.48e-05
30	57	0.11	2.43e-03	-0.59	-5.17e-05	1.43e-04	-3.59e-05
30	61	0.01	0.08	-0.60	-1.07e-04	1.21e-04	7.48e-06
30	66	0.05	-0.09	-0.51	1.25e-04	-4.21e-05	-2.57e-05
30	77	-7.84e-04	-2.93e-03	-0.59	8.13e-05	-9.35e-06	-3.31e-06
30	80	-0.02	9.36e-04	-0.56	3.12e-05	-1.38e-05	0.0
30	82	-6.30e-04	-0.02	-0.56	5.34e-05	-1.04e-05	-2.33e-06
30	83	1.23e-05	-9.43e-04	-0.55	4.05e-05	3.76e-06	-3.10e-06
30	85	1.73e-04	-2.78e-05	-0.54	2.21e-05	6.09e-06	-2.95e-06
30	86	1.73e-04	-2.78e-05	-0.54	2.21e-05	6.09e-06	-2.95e-06
31	7	-0.02	7.01e-03	-0.64	-9.71e-05	-6.54e-05	-1.34e-06
31	10	-2.85e-03	0.03	-0.53	-1.26e-04	-6.13e-05	-1.60e-05
31	11	-1.67e-03	-0.02	-0.66	-5.29e-05	-2.94e-05	-9.62e-06
31	19	-0.12	0.05	-0.32	-1.89e-04	-2.76e-04	-2.88e-05
31	34	6.75e-03	-0.15	-0.64	2.96e-04	1.67e-04	-2.01e-05
31	35	-9.61e-03	0.16	-0.27	-4.11e-04	-2.25e-04	3.01e-06
31	51	-0.09	0.04	-0.36	-1.51e-04	-2.05e-04	-2.30e-05
31	66	4.40e-03	-0.11	-0.59	1.95e-04	1.11e-04	-1.67e-05
31	67	-7.26e-03	0.11	-0.32	-3.10e-04	-1.69e-04	0.0
31	80	-0.01	4.66e-03	-0.47	-6.81e-05	-4.65e-05	-1.87e-06
31	81	-2.29e-03	0.02	-0.46	-9.24e-05	-4.80e-05	-1.31e-05
31	82	-1.27e-03	-0.01	-0.49	-3.87e-05	-2.25e-05	-7.39e-06
31	83	-1.57e-03	2.17e-03	-0.46	-6.23e-05	-3.13e-05	-8.58e-06
31	84	-1.51e-03	1.89e-03	-0.46	-5.85e-05	-3.03e-05	-8.82e-06
31	86	-1.43e-03	1.85e-03	-0.46	-5.77e-05	-2.89e-05	-8.52e-06
32	1	-3.49e-03	7.36e-03	-0.77	-1.40e-04	-1.95e-04	1.07e-05
32	7	-0.02	9.12e-03	-0.73	-1.19e-04	-1.86e-04	8.29e-06
32	9	-2.69e-03	0.03	-0.73	-1.35e-04	-1.80e-04	1.29e-05
32	14	0.11	-0.02	-0.62	-5.77e-05	1.40e-04	-1.63e-05
32	19	-0.12	0.01	-0.42	-9.91e-05	-3.53e-04	2.06e-05
32	35	-0.02	0.14	-0.42	-2.01e-04	-2.44e-04	4.24e-05
32	46	0.08	-0.01	-0.59	-6.45e-05	6.93e-05	-9.47e-06
32	51	-0.08	9.76e-03	-0.45	-9.40e-05	-2.82e-04	1.69e-05
32	67	-0.01	0.10	-0.45	-1.67e-04	-2.04e-04	3.24e-05
32	77	-2.49e-03	5.22e-03	-0.56	-1.01e-04	-1.42e-04	7.95e-06
32	80	-0.01	6.39e-03	-0.54	-8.71e-05	-1.35e-04	6.32e-06
32	81	-1.96e-03	0.02	-0.53	-9.81e-05	-1.31e-04	9.37e-06
32	83	-1.68e-03	4.12e-03	-0.52	-8.58e-05	-1.12e-04	7.55e-06
32	86	-1.47e-03	3.81e-03	-0.52	-8.14e-05	-1.06e-04	7.54e-06
33	1	-4.98e-03	2.53e-03	-0.80	-6.18e-05	-1.28e-04	4.34e-06
33	7	-0.02	4.74e-03	-0.76	-4.63e-05	-1.13e-04	1.11e-05
33	10	-3.13e-03	0.02	-0.65	-7.05e-05	-8.64e-05	4.03e-06
33	18	0.11	-0.05	-0.63	5.03e-05	1.27e-04	-7.72e-06
33	19	-0.12	0.05	-0.45	-1.20e-04	-2.26e-04	1.45e-05
33	35	-0.03	0.15	-0.50	-3.11e-04	-1.31e-04	3.95e-05
33	50	0.08	-0.03	-0.60	2.58e-05	7.63e-05	-4.53e-06
33	51	-0.08	0.03	-0.47	-9.59e-05	-1.76e-04	1.13e-05
33	67	-0.02	0.11	-0.51	-2.32e-04	-1.08e-04	2.91e-05
33	77	-3.51e-03	1.68e-03	-0.58	-4.38e-05	-9.06e-05	3.25e-06
33	80	-0.01	3.15e-03	-0.55	-3.35e-05	-8.12e-05	7.78e-06
33	81	-2.58e-03	0.02	-0.56	-5.36e-05	-7.15e-05	3.57e-06
33	83	-2.03e-03	1.25e-03	-0.54	-3.88e-05	-5.70e-05	3.20e-06
33	86	-1.68e-03	9.91e-04	-0.54	-3.51e-05	-4.97e-05	3.37e-06
34	1	-4.21e-03	-2.16e-03	-0.81	9.36e-06	-1.67e-04	-8.77e-06
34	7	-0.03	7.28e-04	-0.76	1.48e-05	-1.74e-04	1.72e-06
34	11	-3.47e-03	-0.02	-0.76	1.88e-05	-1.18e-04	-4.36e-06
34	13	0.11	0.02	-0.63	1.96e-05	1.92e-04	1.70e-05
34	20	-0.12	-6.71e-03	-0.46	-8.21e-06	-3.19e-04	-1.20e-05
34	34	0.04	-0.13	-0.50	2.95e-05	-3.99e-05	-1.16e-05
34	45	0.08	0.01	-0.60	1.52e-05	1.19e-04	1.15e-05
34	52	-0.08	-5.25e-03	-0.49	-4.68e-06	-2.45e-04	-9.15e-06
34	66	0.03	-0.10	-0.51	2.23e-05	-4.66e-05	-8.89e-06
34	77	-3.01e-03	-1.73e-03	-0.59	8.03e-06	-1.17e-04	-5.98e-06
34	80	-0.02	1.91e-04	-0.56	1.17e-05	-1.22e-04	1.01e-06
34	82	-2.52e-03	-0.02	-0.56	1.43e-05	-8.43e-05	-3.04e-06
34	83	-2.21e-03	-1.49e-03	-0.55	2.73e-06	-7.57e-05	-3.33e-06

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34	84	-2.22e-03	-1.79e-03	-0.55	7.78e-06	-6.50e-05	-1.91e-06
34	86	-2.07e-03	-1.58e-03	-0.54	4.06e-06	-6.32e-05	-2.20e-06
35	1	-1.68e-03	-5.43e-04	-0.81	-1.40e-05	-1.16e-04	1.35e-05
35	7	-0.02	2.89e-03	-0.76	-1.83e-05	-1.30e-04	7.69e-06
35	11	-1.35e-03	-0.02	-0.77	-1.07e-05	-7.35e-05	5.31e-06
35	25	0.13	-0.02	-0.64	-1.34e-04	2.48e-04	-4.65e-05
35	28	-0.13	0.02	-0.45	9.42e-05	-3.10e-04	5.63e-05
35	34	0.05	-0.14	-0.56	6.19e-05	8.23e-06	-3.32e-05
35	57	0.09	-0.01	-0.61	-1.01e-04	1.68e-04	-3.17e-05
35	60	-0.09	0.01	-0.48	6.15e-05	-2.30e-04	4.15e-05
35	66	0.04	-0.10	-0.55	3.85e-05	-3.05e-06	-2.23e-05
35	77	-1.15e-03	-4.96e-04	-0.59	-1.01e-05	-7.94e-05	9.45e-06
35	80	-0.02	1.79e-03	-0.56	-1.29e-05	-8.87e-05	5.61e-06
35	82	-9.32e-04	-0.01	-0.56	-7.92e-06	-5.09e-05	4.02e-06
35	83	-5.97e-04	-1.73e-04	-0.55	-1.72e-05	-4.24e-05	6.17e-06
35	84	-6.91e-04	-9.64e-06	-0.55	-1.99e-05	-3.22e-05	4.69e-06
35	86	-5.39e-04	-4.01e-05	-0.55	-1.97e-05	-3.11e-05	4.90e-06
36	1	2.53e-03	3.25e-04	-0.82	-2.51e-05	4.35e-05	1.78e-06
36	5	0.03	-1.87e-03	-0.79	-4.66e-05	7.92e-05	0.0
36	10	3.40e-03	0.03	-0.69	-9.67e-05	6.21e-05	-3.93e-06
36	25	0.16	-0.02	-0.73	-2.16e-04	3.14e-04	-5.76e-05
36	29	0.02	0.15	-0.75	-5.31e-04	2.95e-04	1.65e-05
36	35	-0.06	0.16	-0.68	-4.87e-04	1.73e-04	3.87e-05
36	57	0.11	-0.01	-0.68	-1.62e-04	2.40e-04	-4.13e-05
36	61	0.02	0.11	-0.70	-3.87e-04	2.27e-04	1.16e-05
36	67	-0.04	0.12	-0.64	-3.56e-04	1.40e-04	2.73e-05
36	77	2.10e-03	1.51e-04	-0.59	-1.85e-05	3.63e-05	1.04e-06
36	79	0.02	-1.31e-03	-0.58	-3.28e-05	6.01e-05	0.0
36	81	3.30e-03	0.02	-0.58	-6.89e-05	5.96e-05	-3.00e-06
36	83	3.17e-03	4.08e-04	-0.56	-2.55e-05	5.38e-05	0.0
36	84	3.22e-03	6.98e-04	-0.56	-3.06e-05	5.37e-05	0.0
36	85	3.39e-03	5.87e-04	-0.56	-2.91e-05	5.69e-05	0.0
36	86	3.39e-03	5.87e-04	-0.56	-2.91e-05	5.69e-05	0.0
37	1	-7.74e-03	0.03	-0.81	-9.72e-05	-1.71e-05	-3.58e-06
37	7	-0.08	0.02	-0.78	-6.59e-05	-1.61e-04	2.81e-05
37	9	-9.07e-03	0.11	-0.77	-3.17e-04	-6.41e-06	1.14e-05
37	16	-0.66	-0.18	-0.64	5.45e-04	-1.87e-03	-5.56e-05
37	20	-0.64	-0.22	-0.65	6.68e-04	-1.87e-03	-2.20e-05
37	41	0.13	0.68	-0.47	-2.06e-03	4.23e-04	-7.22e-05
37	48	-0.47	-0.12	-0.62	3.71e-04	-1.33e-03	-4.03e-05
37	52	-0.46	-0.15	-0.62	4.59e-04	-1.33e-03	-1.64e-05
37	73	0.09	0.49	-0.49	-1.49e-03	3.03e-04	-5.22e-05
37	77	-5.43e-03	0.02	-0.59	-6.92e-05	-1.23e-05	-2.57e-06
37	80	-0.05	0.01	-0.57	-4.83e-05	-1.09e-04	1.85e-05
37	81	-6.31e-03	0.07	-0.56	-2.16e-04	-5.21e-06	7.38e-06
37	83	-5.82e-03	0.02	-0.55	-6.42e-05	1.89e-06	-2.45e-06
37	85	-5.92e-03	0.02	-0.54	-6.18e-05	4.98e-06	-2.39e-06
37	86	-5.92e-03	0.02	-0.54	-6.18e-05	4.98e-06	-2.39e-06
38	1	3.82e-03	0.03	-0.82	-9.88e-05	-4.76e-05	0.0
38	6	0.23	0.03	-0.66	-8.57e-05	2.49e-04	-1.19e-04
38	9	-1.89e-03	0.10	-0.79	-1.76e-04	-3.51e-05	-4.05e-06
38	15	-0.70	0.10	-0.64	-3.06e-04	-2.08e-03	9.52e-05
38	39	-0.24	0.59	-0.64	-8.64e-04	-5.12e-04	-4.49e-05
38	41	0.15	0.65	-0.60	-8.92e-04	6.71e-04	-1.13e-04
38	47	-0.50	0.07	-0.61	-2.38e-04	-1.49e-03	6.73e-05
38	71	-0.17	0.43	-0.62	-6.37e-04	-3.70e-04	-3.24e-05
38	73	0.11	0.47	-0.59	-6.56e-04	4.74e-04	-8.12e-05
38	77	2.48e-03	0.02	-0.60	-6.99e-05	-3.44e-05	0.0
38	79	0.15	0.02	-0.57	-6.72e-05	1.59e-04	-7.94e-05
38	81	-1.33e-03	0.07	-0.58	-1.22e-04	-2.61e-05	-2.62e-06
38	83	5.28e-04	0.02	-0.56	-7.25e-05	-1.84e-05	-1.10e-06
38	84	-7.63e-04	0.02	-0.56	-6.80e-05	-1.81e-05	-1.16e-06
38	86	-4.14e-04	0.02	-0.55	-7.09e-05	-1.53e-05	-1.25e-06
39	1	5.09e-03	0.02	-0.82	5.05e-05	2.11e-05	-3.38e-06
39	6	0.23	0.03	-0.66	4.06e-05	3.09e-04	1.10e-04
39	9	2.31e-03	0.10	-0.78	-4.29e-05	2.99e-05	-7.46e-06

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39	22	0.68	0.02	-0.46	3.38e-04	1.93e-03	9.36e-05
39	23	-0.68	0.01	-0.65	-2.76e-04	-1.88e-03	-9.76e-05
39	41	0.26	0.65	-0.54	-7.33e-04	7.47e-04	-3.22e-05
39	54	0.48	0.02	-0.49	2.50e-04	1.38e-03	6.61e-05
39	55	-0.48	0.01	-0.62	-1.88e-04	-1.33e-03	-7.01e-05
39	73	0.19	0.47	-0.54	-5.13e-04	5.40e-04	-2.35e-05
39	77	3.15e-03	0.02	-0.60	3.62e-05	1.33e-05	-2.45e-06
39	79	0.15	0.02	-0.57	3.35e-05	2.04e-04	7.27e-05
39	81	1.30e-03	0.07	-0.57	-2.61e-05	1.92e-05	-5.17e-06
39	83	1.43e-03	0.02	-0.56	3.19e-05	2.46e-05	-2.06e-06
39	86	5.58e-04	0.01	-0.56	3.11e-05	2.66e-05	-2.00e-06
40	1	5.16e-03	0.02	-0.82	-5.96e-05	2.10e-04	-5.61e-06
40	6	0.07	0.03	-0.66	-5.27e-05	3.38e-04	6.44e-05
40	9	4.27e-03	0.10	-0.81	-2.82e-04	2.01e-04	2.81e-05
40	22	0.62	0.02	-0.38	4.08e-05	1.46e-03	-1.26e-04
40	39	-0.08	0.67	-0.80	-2.15e-03	-3.03e-04	1.41e-05
40	41	0.26	0.69	-0.72	-2.23e-03	4.23e-04	-4.01e-06
40	54	0.44	0.02	-0.43	1.89e-05	1.08e-03	-9.01e-05
40	71	-0.05	0.48	-0.73	-1.54e-03	-1.75e-04	9.59e-06
40	73	0.19	0.50	-0.67	-1.60e-03	3.43e-04	-3.34e-06
40	77	3.43e-03	0.02	-0.60	-4.19e-05	1.44e-04	-4.03e-06
40	79	0.05	0.02	-0.57	-4.05e-05	2.34e-04	4.22e-05
40	81	2.84e-03	0.07	-0.59	-1.90e-04	1.38e-04	1.84e-05
40	83	3.15e-03	0.02	-0.57	-3.90e-05	1.43e-04	-2.28e-06
40	86	3.08e-03	0.02	-0.56	-3.55e-05	1.43e-04	-1.68e-06
41	1	-7.00e-04	0.04	-0.92	2.28e-04	9.06e-06	3.08e-06
41	7	-0.08	0.03	-0.87	-2.42e-04	-1.02e-04	6.29e-06
41	9	-1.29e-03	0.15	-0.87	2.97e-05	7.71e-06	5.26e-06
41	16	-0.84	-0.22	-0.62	5.33e-04	-1.23e-03	-7.23e-05
41	19	-0.83	0.21	-0.63	-5.20e-04	-1.23e-03	-6.31e-05
41	41	0.17	0.84	-0.60	-1.83e-03	2.56e-04	-1.03e-04
41	48	-0.60	-0.15	-0.61	4.13e-04	-8.79e-04	-5.12e-05
41	51	-0.60	0.16	-0.62	-3.38e-04	-8.76e-04	-4.47e-05
41	73	0.12	0.61	-0.60	-1.27e-03	1.83e-04	-7.29e-05
41	77	-4.74e-04	0.03	-0.67	1.67e-04	6.69e-06	2.16e-06
41	80	-0.06	0.02	-0.63	1.76e-04	-6.71e-05	4.30e-06
41	81	-8.71e-04	0.10	-0.63	3.47e-05	5.79e-06	3.61e-06
41	83	-3.12e-04	0.03	-0.61	1.14e-04	3.28e-06	1.40e-06
41	86	-2.79e-04	0.03	-0.60	1.15e-04	2.79e-06	1.25e-06
42	1	3.84e-04	0.03	-0.96	-5.23e-05	2.08e-05	0.0
42	5	0.13	0.03	-0.90	-5.30e-05	3.08e-05	-8.23e-06
42	9	6.49e-04	0.25	-0.90	-2.80e-04	1.69e-05	3.55e-06
42	13	1.34	0.49	-0.62	-6.37e-04	1.88e-04	1.19e-04
42	39	-0.48	1.76	-0.64	-2.16e-03	-5.50e-05	-1.29e-04
42	41	0.27	1.77	-0.64	-2.17e-03	4.29e-05	-1.73e-04
42	45	0.96	0.36	-0.62	-4.66e-04	1.36e-04	8.51e-05
42	71	-0.34	1.26	-0.63	-1.55e-03	-3.67e-05	-9.19e-05
42	73	0.19	1.27	-0.63	-1.56e-03	3.31e-05	-1.23e-04
42	77	2.73e-04	0.02	-0.70	-3.81e-05	1.49e-05	0.0
42	79	0.09	0.02	-0.66	-3.86e-05	2.16e-05	-5.51e-06
42	81	4.50e-04	0.17	-0.66	-1.90e-04	1.24e-05	2.34e-06
42	83	2.15e-04	0.03	-0.63	-3.89e-05	9.79e-06	0.0
42	86	2.02e-04	0.02	-0.62	-3.89e-05	8.77e-06	0.0
43	1	-7.13e-04	0.04	-0.83	1.40e-06	-1.80e-04	0.0
43	7	-0.15	0.04	-0.78	-1.17e-06	-1.70e-04	-4.99e-05
43	9	5.40e-04	0.23	-0.82	-1.31e-04	-1.44e-04	-2.88e-05
43	28	-1.59	-0.03	-0.38	4.88e-04	-4.49e-04	2.38e-04
43	29	0.21	1.81	-0.79	-1.36e-03	1.82e-04	-2.90e-05
43	35	-0.66	1.88	-0.71	-1.28e-03	2.01e-06	8.41e-06
43	60	-1.14	-0.02	-0.43	3.47e-04	-3.45e-04	1.69e-04
43	61	0.15	1.30	-0.73	-9.69e-04	1.04e-04	-2.10e-05
43	67	-0.47	1.35	-0.67	-9.17e-04	-2.36e-05	5.69e-06
43	77	-4.87e-04	0.03	-0.60	2.29e-06	-1.27e-04	0.0
43	80	-0.10	0.03	-0.57	0.0	-1.20e-04	-3.31e-05
43	81	3.48e-04	0.16	-0.60	-8.61e-05	-1.02e-04	-1.91e-05
43	83	-3.55e-04	0.03	-0.57	-3.80e-06	-9.07e-05	0.0

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43	84	-3.79e-04	0.02	-0.57	-3.00e-06	-9.78e-05	0.0
43	86	-3.42e-04	0.03	-0.56	-4.54e-06	-8.74e-05	-1.00e-06
44	1	-4.00e-04	-2.18e-03	-0.84	-7.30e-05	-1.91e-05	-6.62e-06
44	7	-0.07	3.12e-03	-0.80	-3.80e-05	-1.40e-04	4.37e-06
44	12	-3.53e-05	-0.19	-0.68	3.47e-04	-1.44e-05	-4.01e-05
44	23	-0.62	0.09	-0.63	-3.61e-04	-1.44e-03	1.37e-04
44	39	-0.08	0.70	-0.64	-2.43e-03	-2.24e-04	1.91e-05
44	41	0.26	0.72	-0.61	-2.48e-03	5.54e-04	-1.64e-06
44	55	-0.44	0.06	-0.61	-2.69e-04	-1.03e-03	9.73e-05
44	71	-0.06	0.50	-0.62	-1.74e-03	-1.64e-04	1.32e-05
44	73	0.18	0.52	-0.59	-1.78e-03	3.91e-04	-1.53e-06
44	77	-3.45e-04	-1.26e-03	-0.61	-5.12e-05	-1.33e-05	-4.51e-06
44	80	-0.04	2.27e-03	-0.58	-2.79e-05	-9.39e-05	2.82e-06
44	82	-2.21e-04	-0.13	-0.57	2.25e-04	-1.09e-05	-2.70e-05
44	83	-6.16e-04	4.45e-03	-0.57	-4.53e-05	-1.48e-05	-2.17e-06
44	84	-6.22e-04	6.83e-03	-0.56	-3.59e-05	-1.43e-05	-1.13e-06
44	85	-6.68e-04	6.57e-03	-0.56	-4.00e-05	-1.48e-05	-1.27e-06
44	86	-6.68e-04	6.57e-03	-0.56	-4.00e-05	-1.48e-05	-1.27e-06
45	1	-1.85e-04	0.05	-0.95	2.72e-04	7.04e-06	0.0
45	7	-0.08	0.04	-0.89	2.81e-04	-1.01e-04	5.24e-06
45	9	-4.29e-04	0.15	-0.89	7.31e-05	6.14e-06	2.13e-06
45	16	-0.83	-0.20	-0.61	6.35e-04	-1.21e-03	-7.19e-05
45	39	-0.30	0.77	-0.63	-1.69e-03	-4.28e-04	-8.60e-05
45	41	0.17	0.78	-0.63	-1.70e-03	2.49e-04	-1.12e-04
45	48	-0.59	-0.14	-0.61	4.92e-04	-8.65e-04	-5.12e-05
45	71	-0.21	0.55	-0.63	-1.16e-03	-3.04e-04	-6.13e-05
45	73	0.12	0.57	-0.63	-1.17e-03	1.78e-04	-8.01e-05
45	77	-1.27e-04	0.03	-0.69	1.99e-04	4.99e-06	0.0
45	80	-0.06	0.03	-0.65	2.05e-04	-6.70e-05	3.51e-06
45	81	-2.90e-04	0.10	-0.65	6.63e-05	4.39e-06	1.43e-06
45	83	-6.76e-05	0.03	-0.62	1.37e-04	3.75e-06	0.0
45	84	-6.87e-05	0.03	-0.62	1.65e-04	3.64e-06	0.0
45	86	-5.73e-05	0.03	-0.61	1.39e-04	3.47e-06	0.0
46	1	-4.22e-04	0.04	-0.85	-2.12e-05	1.11e-05	4.35e-06
46	7	-0.15	0.04	-0.81	-1.20e-05	-1.45e-05	1.06e-05
46	9	5.60e-04	0.24	-0.82	-1.24e-04	3.58e-05	-1.44e-05
46	28	-1.59	-0.22	-0.49	5.07e-04	-3.44e-04	2.75e-04
46	29	0.20	1.81	-0.65	-1.54e-03	2.43e-04	-3.42e-05
46	35	-0.66	1.85	-0.62	-1.49e-03	5.81e-05	7.94e-06
46	60	-1.13	-0.15	-0.52	3.58e-04	-2.38e-04	1.96e-04
46	61	0.15	1.30	-0.63	-1.10e-03	1.80e-04	-2.40e-05
46	67	-0.47	1.33	-0.61	-1.07e-03	4.81e-05	6.05e-06
46	77	-2.84e-04	0.03	-0.62	-1.36e-05	1.17e-05	3.06e-06
46	80	-0.10	0.03	-0.59	-7.53e-06	-5.41e-06	7.21e-06
46	81	3.71e-04	0.16	-0.60	-8.20e-05	2.82e-05	-9.47e-06
46	83	-1.82e-04	0.03	-0.58	-1.48e-05	2.16e-05	1.78e-06
46	84	-1.99e-04	0.02	-0.57	-1.01e-05	2.17e-05	1.51e-06
46	86	-1.71e-04	0.03	-0.57	-1.29e-05	2.34e-05	1.42e-06
47	1	1.49e-04	0.03	-0.85	-3.16e-05	0.0	-1.23e-06
47	5	0.14	0.03	-0.81	-1.66e-05	1.81e-05	-8.63e-06
47	9	-2.15e-04	0.25	-0.81	-1.18e-04	-4.64e-06	3.88e-06
47	22	1.59	-0.40	-0.54	4.79e-04	2.52e-04	-2.67e-04
47	39	-0.20	1.76	-0.59	-1.59e-03	-8.82e-05	-1.27e-04
47	41	0.67	1.78	-0.58	-1.58e-03	5.00e-05	-1.71e-04
47	54	1.13	-0.28	-0.55	3.37e-04	1.78e-04	-1.90e-04
47	71	-0.14	1.26	-0.58	-1.14e-03	-6.39e-05	-9.08e-05
47	73	0.48	1.27	-0.58	-1.13e-03	3.46e-05	-1.22e-04
47	77	1.00e-04	0.02	-0.62	-2.10e-05	0.0	0.0
47	79	0.10	0.02	-0.59	-1.10e-05	1.15e-05	-5.81e-06
47	81	-1.43e-04	0.17	-0.59	-7.88e-05	-3.72e-06	2.53e-06
47	83	6.25e-05	0.03	-0.57	-1.97e-05	-3.04e-06	0.0
47	84	6.86e-05	0.02	-0.57	-1.30e-05	-2.85e-06	0.0
47	86	5.84e-05	0.02	-0.56	-1.64e-05	-3.50e-06	0.0
48	1	7.55e-05	-4.25e-03	-0.84	-6.92e-05	2.33e-06	-1.36e-06
48	6	0.07	8.99e-03	-0.69	-4.24e-05	1.23e-04	-5.11e-06
48	12	1.89e-04	-0.21	-0.68	4.03e-04	3.17e-06	-5.48e-06

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48	23	-0.62	0.16	-0.57	-6.13e-04	-1.41e-03	1.33e-04
48	39	-0.08	0.67	-0.58	-2.42e-03	-1.92e-04	-7.04e-05
48	41	0.26	0.68	-0.57	-2.44e-03	5.78e-04	-9.25e-05
48	55	-0.44	0.12	-0.56	-4.48e-04	-1.00e-03	9.51e-05
48	71	-0.05	0.48	-0.57	-1.74e-03	-1.37e-04	-5.03e-05
48	73	0.19	0.48	-0.57	-1.75e-03	4.12e-04	-6.60e-05
48	77	2.21e-05	-2.71e-03	-0.61	-4.85e-05	1.41e-06	0.0
48	79	0.04	6.29e-03	-0.58	-3.42e-05	8.19e-05	-3.49e-06
48	82	5.57e-05	-0.14	-0.57	2.63e-04	1.75e-06	-3.74e-06
48	83	-7.62e-05	4.20e-03	-0.56	-4.28e-05	0.0	0.0
48	84	-8.26e-05	7.42e-03	-0.56	-3.28e-05	0.0	0.0
48	85	-9.69e-05	6.92e-03	-0.55	-3.72e-05	0.0	0.0
48	86	-9.69e-05	6.92e-03	-0.55	-3.72e-05	0.0	0.0
49	1	1.85e-04	0.05	-0.95	2.72e-04	-7.04e-06	0.0
49	5	0.08	0.04	-0.89	2.81e-04	1.01e-04	-5.24e-06
49	9	4.29e-04	0.15	-0.89	7.31e-05	-6.14e-06	-2.13e-06
49	18	0.83	-0.20	-0.61	6.35e-04	1.21e-03	7.19e-05
49	29	0.30	0.77	-0.63	-1.69e-03	4.28e-04	8.60e-05
49	35	-0.17	0.78	-0.63	-1.70e-03	-2.49e-04	1.12e-04
49	50	0.59	-0.14	-0.61	4.92e-04	8.65e-04	5.12e-05
49	61	0.21	0.55	-0.63	-1.16e-03	3.04e-04	6.13e-05
49	67	-0.12	0.57	-0.63	-1.17e-03	-1.78e-04	8.01e-05
49	77	1.27e-04	0.03	-0.69	1.99e-04	-4.99e-06	0.0
49	79	0.06	0.03	-0.65	2.05e-04	6.70e-05	-3.51e-06
49	81	2.90e-04	0.10	-0.65	6.63e-05	-4.39e-06	-1.43e-06
49	83	6.76e-05	0.03	-0.62	1.37e-04	-3.75e-06	0.0
49	84	6.87e-05	0.03	-0.62	1.65e-04	-3.64e-06	0.0
49	86	5.73e-05	0.03	-0.61	1.39e-04	-3.47e-06	0.0
50	1	-3.84e-04	0.03	-0.96	-5.23e-05	-2.08e-05	0.0
50	7	-0.13	0.03	-0.90	-5.30e-05	-3.08e-05	8.23e-06
50	9	-6.49e-04	0.25	-0.90	-2.80e-04	-1.69e-05	-3.55e-06
50	19	-1.34	0.49	-0.62	-6.37e-04	-1.88e-04	-1.19e-04
50	29	0.48	1.76	-0.64	-2.16e-03	5.50e-05	1.29e-04
50	35	-0.27	1.77	-0.64	-2.17e-03	-4.29e-05	1.73e-04
50	51	-0.96	0.36	-0.62	-4.66e-04	-1.36e-04	-8.51e-05
50	61	0.34	1.26	-0.63	-1.55e-03	3.67e-05	9.19e-05
50	67	-0.19	1.27	-0.63	-1.56e-03	-3.31e-05	1.23e-04
50	77	-2.73e-04	0.02	-0.70	-3.81e-05	-1.49e-05	0.0
50	80	-0.09	0.02	-0.66	-3.86e-05	-2.16e-05	5.51e-06
50	81	-4.50e-04	0.17	-0.66	-1.90e-04	-1.24e-05	-2.34e-06
50	83	-2.15e-04	0.03	-0.63	-3.89e-05	-9.79e-06	0.0
50	86	-2.02e-04	0.02	-0.62	-3.89e-05	-8.77e-06	0.0
51	1	-1.61e-03	0.04	-0.82	-2.23e-05	-3.18e-04	9.82e-06
51	7	-0.13	0.04	-0.77	-1.94e-05	-2.89e-04	6.04e-05
51	9	-2.56e-03	0.23	-0.78	-1.69e-04	-2.95e-04	-1.44e-05
51	14	1.30	-0.38	-0.65	3.68e-04	1.13e-04	8.01e-05
51	19	-1.35	0.32	-0.44	-3.36e-04	-4.52e-04	-1.05e-04
51	35	-0.28	1.88	-0.48	-1.62e-03	-3.27e-04	1.20e-05
51	46	0.92	-0.26	-0.62	2.57e-04	3.14e-05	5.88e-05
51	51	-0.96	0.24	-0.47	-2.46e-04	-3.71e-04	-7.30e-05
51	67	-0.20	1.34	-0.50	-1.16e-03	-2.82e-04	1.03e-05
51	77	-1.15e-03	0.03	-0.60	-1.59e-05	-2.28e-04	7.04e-06
51	80	-0.09	0.03	-0.57	-1.40e-05	-2.09e-04	4.08e-05
51	81	-1.78e-03	0.16	-0.57	-1.14e-04	-2.13e-04	-9.14e-06
51	83	-9.40e-04	0.03	-0.56	-2.21e-05	-1.78e-04	6.08e-06
51	86	-8.98e-04	0.03	-0.55	-2.08e-05	-1.71e-04	5.91e-06
52	1	-7.55e-05	-4.25e-03	-0.84	-6.92e-05	-2.33e-06	1.36e-06
52	8	-0.07	8.99e-03	-0.69	-4.24e-05	-1.23e-04	5.11e-06
52	12	-1.89e-04	-0.21	-0.68	4.03e-04	-3.17e-06	5.48e-06
52	25	0.62	0.16	-0.57	-6.13e-04	1.41e-03	-1.33e-04
52	29	0.08	0.67	-0.58	-2.42e-03	1.92e-04	7.04e-05
52	35	-0.26	0.68	-0.57	-2.44e-03	-5.78e-04	9.25e-05
52	57	0.44	0.12	-0.56	-4.48e-04	1.00e-03	-9.51e-05
52	61	0.05	0.48	-0.57	-1.74e-03	1.37e-04	5.03e-05
52	67	-0.19	0.48	-0.57	-1.75e-03	-4.12e-04	6.60e-05
52	77	-2.21e-05	-2.71e-03	-0.61	-4.85e-05	-1.41e-06	0.0

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52	80	-0.04	6.29e-03	-0.58	-3.42e-05	-8.19e-05	3.49e-06
52	82	-5.57e-05	-0.14	-0.57	2.63e-04	-1.75e-06	3.74e-06
52	83	7.62e-05	4.20e-03	-0.56	-4.28e-05	0.0	0.0
52	84	8.26e-05	7.42e-03	-0.56	-3.28e-05	0.0	0.0
52	85	9.69e-05	6.92e-03	-0.55	-3.72e-05	0.0	0.0
52	86	9.69e-05	6.92e-03	-0.55	-3.72e-05	0.0	0.0
53	1	7.00e-04	0.04	-0.92	2.28e-04	-9.06e-06	-3.08e-06
53	5	0.08	0.03	-0.87	2.42e-04	1.02e-04	-6.29e-06
53	9	1.29e-03	0.15	-0.87	2.97e-05	-7.71e-06	-5.26e-06
53	13	0.83	0.21	-0.63	-5.20e-04	1.23e-03	6.31e-05
53	18	0.84	-0.22	-0.62	5.33e-04	1.23e-03	7.23e-05
53	35	-0.17	0.84	-0.60	-1.83e-03	-2.56e-04	1.03e-04
53	45	0.60	0.16	-0.62	-3.38e-04	8.76e-04	4.47e-05
53	50	0.60	-0.15	-0.61	4.13e-04	8.79e-04	5.12e-05
53	67	-0.12	0.61	-0.60	-1.27e-03	-1.83e-04	7.29e-05
53	77	4.74e-04	0.03	-0.67	1.67e-04	-6.69e-06	-2.16e-06
53	79	0.06	0.02	-0.63	1.76e-04	6.71e-05	-4.30e-06
53	81	8.71e-04	0.10	-0.63	3.47e-05	-5.79e-06	-3.61e-06
53	83	3.12e-04	0.03	-0.61	1.14e-04	-3.28e-06	-1.40e-06
53	86	2.79e-04	0.03	-0.60	1.15e-04	-2.79e-06	-1.25e-06
54	1	-4.32e-04	0.04	-0.83	-4.38e-05	-2.46e-04	-2.90e-06
54	7	-0.14	0.04	-0.78	-3.59e-05	-1.79e-04	2.55e-05
54	9	-2.12e-04	0.23	-0.80	-2.14e-05	-2.23e-04	1.14e-06
54	20	-1.40	-0.51	-0.47	-1.01e-04	-5.08e-04	1.52e-04
54	29	0.33	1.81	-0.66	1.30e-04	8.08e-06	1.01e-04
54	35	-0.47	1.88	-0.63	1.11e-04	-2.17e-04	2.26e-04
54	52	-1.00	-0.35	-0.50	-8.13e-05	-3.99e-04	1.08e-04
54	61	0.24	1.30	-0.63	8.35e-05	-3.16e-05	7.19e-05
54	67	-0.34	1.35	-0.61	6.99e-05	-1.92e-04	1.61e-04
54	77	-3.08e-04	0.03	-0.61	-3.16e-05	-1.76e-04	-2.11e-06
54	80	-0.09	0.03	-0.58	-2.63e-05	-1.32e-04	1.68e-05
54	81	-1.61e-04	0.16	-0.59	-1.67e-05	-1.61e-04	0.0
54	83	-2.42e-04	0.03	-0.57	-3.41e-05	-1.35e-04	-1.53e-06
54	86	-2.29e-04	0.03	-0.56	-3.21e-05	-1.30e-04	-1.42e-06
55	1	-1.49e-04	0.03	-0.85	-3.16e-05	0.0	1.23e-06
55	7	-0.14	0.03	-0.81	-1.66e-05	-1.81e-05	8.63e-06
55	9	2.15e-04	0.25	-0.81	-1.18e-04	4.64e-06	-3.88e-06
55	28	-1.59	-0.40	-0.54	4.79e-04	-2.52e-04	2.67e-04
55	29	0.20	1.76	-0.59	-1.59e-03	8.82e-05	1.27e-04
55	35	-0.67	1.78	-0.58	-1.58e-03	-5.00e-05	1.71e-04
55	60	-1.13	-0.28	-0.55	3.37e-04	-1.78e-04	1.90e-04
55	61	0.14	1.26	-0.58	-1.14e-03	6.39e-05	9.08e-05
55	67	-0.48	1.27	-0.58	-1.13e-03	-3.46e-05	1.22e-04
55	77	-1.00e-04	0.02	-0.62	-2.10e-05	0.0	0.0
55	80	-0.10	0.02	-0.59	-1.10e-05	-1.15e-05	5.81e-06
55	81	1.43e-04	0.17	-0.59	-7.88e-05	3.72e-06	-2.53e-06
55	83	-6.25e-05	0.03	-0.57	-1.97e-05	3.04e-06	0.0
55	84	-6.86e-05	0.02	-0.57	-1.30e-05	2.85e-06	0.0
55	86	-5.84e-05	0.02	-0.56	-1.64e-05	3.50e-06	0.0
56	1	4.00e-04	-2.18e-03	-0.84	-7.30e-05	1.91e-05	6.62e-06
56	5	0.07	3.12e-03	-0.80	-3.80e-05	1.40e-04	-4.37e-06
56	12	3.53e-05	-0.19	-0.68	3.47e-04	1.44e-05	4.01e-05
56	25	0.62	0.09	-0.63	-3.61e-04	1.44e-03	-1.37e-04
56	29	0.08	0.70	-0.64	-2.43e-03	2.24e-04	-1.91e-05
56	35	-0.26	0.72	-0.61	-2.48e-03	-5.54e-04	1.64e-06
56	57	0.44	0.06	-0.61	-2.69e-04	1.03e-03	-9.73e-05
56	61	0.06	0.50	-0.62	-1.74e-03	1.64e-04	-1.32e-05
56	67	-0.18	0.52	-0.59	-1.78e-03	-3.91e-04	1.53e-06
56	77	3.45e-04	-1.26e-03	-0.61	-5.12e-05	1.33e-05	4.51e-06
56	79	0.04	2.27e-03	-0.58	-2.79e-05	9.39e-05	-2.82e-06
56	82	2.21e-04	-0.13	-0.57	2.25e-04	1.09e-05	2.70e-05
56	83	6.16e-04	4.45e-03	-0.57	-4.53e-05	1.48e-05	2.17e-06
56	84	6.22e-04	6.83e-03	-0.56	-3.59e-05	1.43e-05	1.13e-06
56	85	6.68e-04	6.57e-03	-0.56	-4.00e-05	1.48e-05	1.27e-06
56	86	6.68e-04	6.57e-03	-0.56	-4.00e-05	1.48e-05	1.27e-06
57	1	7.74e-03	0.03	-0.81	-9.72e-05	1.71e-05	3.58e-06

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57	5	0.08	0.02	-0.78	-6.59e-05	1.61e-04	-2.81e-05
57	9	9.07e-03	0.11	-0.77	-3.17e-04	6.41e-06	-1.14e-05
57	14	0.64	-0.22	-0.65	6.68e-04	1.87e-03	2.20e-05
57	18	0.66	-0.18	-0.64	5.45e-04	1.87e-03	5.56e-05
57	35	-0.13	0.68	-0.47	-2.06e-03	-4.23e-04	7.22e-05
57	46	0.46	-0.15	-0.62	4.59e-04	1.33e-03	1.64e-05
57	50	0.47	-0.12	-0.62	3.71e-04	1.33e-03	4.03e-05
57	67	-0.09	0.49	-0.49	-1.49e-03	-3.03e-04	5.22e-05
57	77	5.43e-03	0.02	-0.59	-6.92e-05	1.23e-05	2.57e-06
57	79	0.05	0.01	-0.57	-4.83e-05	1.09e-04	-1.85e-05
57	81	6.31e-03	0.07	-0.56	-2.16e-04	5.21e-06	-7.38e-06
57	83	5.82e-03	0.02	-0.55	-6.42e-05	-1.89e-06	2.45e-06
57	85	5.92e-03	0.02	-0.54	-6.18e-05	-4.98e-06	2.39e-06
57	86	5.92e-03	0.02	-0.54	-6.18e-05	-4.98e-06	2.39e-06
58	1	-3.82e-03	0.03	-0.82	-9.88e-05	4.76e-05	0.0
58	8	-0.23	0.03	-0.66	-8.57e-05	-2.49e-04	1.19e-04
58	9	1.89e-03	0.10	-0.79	-1.76e-04	3.51e-05	4.05e-06
58	17	0.70	0.10	-0.64	-3.06e-04	2.08e-03	-9.52e-05
58	29	0.24	0.59	-0.64	-8.64e-04	5.12e-04	4.49e-05
58	35	-0.15	0.65	-0.60	-8.92e-04	-6.71e-04	1.13e-04
58	49	0.50	0.07	-0.61	-2.38e-04	1.49e-03	-6.73e-05
58	61	0.17	0.43	-0.62	-6.37e-04	3.70e-04	3.24e-05
58	67	-0.11	0.47	-0.59	-6.56e-04	-4.74e-04	8.12e-05
58	77	-2.48e-03	0.02	-0.60	-6.99e-05	3.44e-05	0.0
58	80	-0.15	0.02	-0.57	-6.72e-05	-1.59e-04	7.94e-05
58	81	1.33e-03	0.07	-0.58	-1.22e-04	2.61e-05	2.62e-06
58	83	-5.28e-04	0.02	-0.56	-7.25e-05	1.84e-05	1.10e-06
58	84	7.63e-04	0.02	-0.56	-6.80e-05	1.81e-05	1.16e-06
58	86	4.14e-04	0.02	-0.55	-7.09e-05	1.53e-05	1.25e-06
59	1	-5.09e-03	0.02	-0.82	5.05e-05	-2.11e-05	3.38e-06
59	8	-0.23	0.03	-0.66	4.06e-05	-3.09e-04	-1.10e-04
59	9	-2.31e-03	0.10	-0.78	-4.29e-05	-2.99e-05	7.46e-06
59	25	0.68	0.01	-0.65	-2.76e-04	1.88e-03	9.76e-05
59	28	-0.68	0.02	-0.46	3.38e-04	-1.93e-03	-9.36e-05
59	35	-0.26	0.65	-0.54	-7.33e-04	-7.47e-04	3.22e-05
59	57	0.48	0.01	-0.62	-1.88e-04	1.33e-03	7.01e-05
59	60	-0.48	0.02	-0.49	2.50e-04	-1.38e-03	-6.61e-05
59	67	-0.19	0.47	-0.54	-5.13e-04	-5.40e-04	2.35e-05
59	77	-3.15e-03	0.02	-0.60	3.62e-05	-1.33e-05	2.45e-06
59	80	-0.15	0.02	-0.57	3.35e-05	-2.04e-04	-7.27e-05
59	81	-1.30e-03	0.07	-0.57	-2.61e-05	-1.92e-05	5.17e-06
59	83	-1.43e-03	0.02	-0.56	3.19e-05	-2.46e-05	2.06e-06
59	86	-5.58e-04	0.01	-0.56	3.11e-05	-2.66e-05	2.00e-06
60	1	-5.16e-03	0.02	-0.82	-5.96e-05	-2.10e-04	5.61e-06
60	8	-0.07	0.03	-0.66	-5.27e-05	-3.38e-04	-6.44e-05
60	9	-4.27e-03	0.10	-0.81	-2.82e-04	-2.01e-04	-2.81e-05
60	28	-0.62	0.02	-0.38	4.08e-05	-1.46e-03	1.26e-04
60	29	0.08	0.67	-0.80	-2.15e-03	3.03e-04	-1.41e-05
60	35	-0.26	0.69	-0.72	-2.23e-03	-4.23e-04	4.01e-06
60	60	-0.44	0.02	-0.43	1.89e-05	-1.08e-03	9.01e-05
60	61	0.05	0.48	-0.73	-1.54e-03	1.75e-04	-9.59e-06
60	67	-0.19	0.50	-0.67	-1.60e-03	-3.43e-04	3.34e-06
60	77	-3.43e-03	0.02	-0.60	-4.19e-05	4.44e-04	4.03e-06
60	80	-0.05	0.02	-0.57	-4.05e-05	-2.34e-04	-4.22e-05
60	81	-2.84e-03	0.07	-0.59	-1.90e-04	-1.38e-04	-1.84e-05
60	83	-3.15e-03	0.02	-0.57	-3.90e-05	-1.43e-04	2.28e-06
60	86	-3.08e-03	0.02	-0.56	-3.55e-05	-1.43e-04	1.68e-06
61	1	5.77e-04	0.04	-0.86	-9.89e-06	2.94e-05	-4.73e-06
61	5	0.15	0.04	-0.82	-6.59e-06	2.93e-05	-2.76e-05
61	9	-5.94e-04	0.24	-0.84	-1.27e-04	-1.13e-05	1.85e-05
61	22	1.59	-0.12	-0.45	4.98e-04	1.39e-04	-4.05e-04
61	39	-0.21	1.82	-0.73	-1.45e-03	-2.94e-04	6.31e-05
61	41	0.66	1.87	-0.68	-1.39e-03	-2.41e-04	3.56e-06
61	54	1.14	-0.08	-0.49	3.52e-04	9.63e-05	-2.89e-04
61	71	-0.15	1.30	-0.69	-1.04e-03	-2.12e-04	4.43e-05
61	73	0.47	1.34	-0.65	-9.93e-04	-1.75e-04	1.87e-06

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61	77	3.92e-04	0.03	-0.63	-5.67e-06	1.57e-05	-3.41e-06
61	79	0.10	0.03	-0.60	-3.48e-06	1.56e-05	-1.87e-05
61	81	-3.88e-04	0.16	-0.61	-8.41e-05	-1.15e-05	1.21e-05
61	83	2.74e-04	0.03	-0.59	-9.32e-06	-5.77e-06	-2.61e-06
61	84	2.94e-04	0.02	-0.59	-6.54e-06	-4.12e-06	-3.16e-06
61	86	2.61e-04	0.03	-0.58	-8.72e-06	-8.92e-06	-2.72e-06
62	1	2.90e-04	0.04	-0.86	-2.64e-05	-1.23e-06	-1.86e-06
62	5	0.15	0.03	-0.82	-1.43e-05	-5.97e-06	-1.26e-05
62	9	-4.07e-04	0.25	-0.83	-1.21e-04	-1.60e-05	9.61e-06
62	22	1.59	-0.31	-0.53	4.93e-04	2.71e-05	-3.97e-04
62	39	-0.20	1.79	-0.62	-1.57e-03	-1.09e-04	-1.40e-04
62	41	0.67	1.82	-0.60	-1.53e-03	-1.03e-04	-2.03e-04
62	54	1.13	-0.21	-0.54	3.47e-04	1.61e-05	-2.83e-04
62	71	-0.14	1.28	-0.60	-1.12e-03	-8.07e-05	-9.99e-05
62	73	0.48	1.31	-0.59	-1.10e-03	-7.67e-05	-1.45e-04
62	77	1.96e-04	0.02	-0.62	-1.73e-05	-2.91e-06	-1.38e-06
62	79	0.10	0.02	-0.59	-9.27e-06	-6.07e-06	-8.51e-06
62	81	-2.69e-04	0.17	-0.60	-8.04e-05	-1.27e-05	6.27e-06
62	83	1.25e-04	0.03	-0.58	-1.73e-05	-1.01e-05	-1.08e-06
62	84	1.37e-04	0.02	-0.58	-1.15e-05	-9.85e-06	-1.37e-06
62	86	1.18e-04	0.02	-0.57	-1.47e-05	-1.13e-05	-1.16e-06
63	1	0.0	0.03	-0.86	-3.16e-05	0.0	0.0
63	5	0.14	0.03	-0.82	-1.66e-05	-4.92e-06	-1.05e-05
63	9	0.0	0.25	-0.82	-1.18e-04	0.0	0.0
63	25	1.59	0.53	-0.57	-4.81e-04	-5.85e-05	-3.77e-04
63	29	0.20	1.72	-0.59	-1.56e-03	0.0	2.23e-04
63	33	0.25	1.72	-0.59	-1.56e-03	-2.64e-06	9.55e-05
63	57	1.13	0.39	-0.57	-3.48e-04	-4.17e-05	-2.69e-04
63	61	0.14	1.23	-0.58	-1.12e-03	0.0	1.59e-04
63	65	0.17	1.23	-0.58	-1.12e-03	-1.88e-06	6.81e-05
63	77	0.0	0.02	-0.62	-2.10e-05	0.0	0.0
63	79	0.10	0.02	-0.59	-1.10e-05	-3.28e-06	-7.02e-06
63	81	0.0	0.17	-0.60	-7.88e-05	0.0	0.0
63	83	0.0	0.03	-0.58	-1.97e-05	0.0	0.0
63	86	0.0	0.02	-0.57	-1.64e-05	0.0	0.0
64	1	-2.90e-04	0.04	-0.86	-2.64e-05	1.23e-06	1.86e-06
64	7	-0.15	0.03	-0.82	-1.43e-05	5.97e-06	1.26e-05
64	9	4.07e-04	0.25	-0.83	-1.21e-04	1.60e-05	-9.61e-06
64	28	-1.59	-0.31	-0.53	4.93e-04	-2.71e-05	3.97e-04
64	29	0.20	1.79	-0.62	-1.57e-03	1.09e-04	1.40e-04
64	35	-0.67	1.82	-0.60	-1.53e-03	1.03e-04	2.03e-04
64	60	-1.13	-0.21	-0.54	3.47e-04	-1.61e-05	2.83e-04
64	61	0.14	1.28	-0.60	-1.12e-03	8.07e-05	9.99e-05
64	67	-0.48	1.31	-0.59	-1.10e-03	7.67e-05	1.45e-04
64	77	-1.96e-04	0.02	-0.62	-1.73e-05	2.91e-06	1.38e-06
64	80	-0.10	0.02	-0.59	-9.27e-06	6.07e-06	8.51e-06
64	81	2.69e-04	0.17	-0.60	-8.04e-05	1.27e-05	-6.27e-06
64	83	-1.25e-04	0.03	-0.58	-1.73e-05	1.01e-05	1.08e-06
64	84	-1.37e-04	0.02	-0.58	-1.15e-05	9.85e-06	1.37e-06
64	86	-1.18e-04	0.02	-0.57	-1.47e-05	1.13e-05	1.16e-06
65	1	-5.77e-04	0.04	-0.86	-9.89e-06	-2.94e-05	4.73e-06
65	7	-0.15	0.04	-0.82	-6.59e-06	-2.93e-05	2.76e-05
65	9	5.94e-04	0.24	-0.84	-1.27e-04	1.13e-05	-1.85e-05
65	28	-1.59	-0.12	-0.45	4.98e-04	-1.39e-04	4.05e-04
65	29	0.21	1.82	-0.73	-1.45e-03	2.94e-04	-6.31e-05
65	35	-0.66	1.87	-0.68	-1.39e-03	2.41e-04	-3.56e-06
65	60	-1.14	-0.08	-0.49	3.52e-04	-9.63e-05	2.89e-04
65	61	0.15	1.30	-0.69	-1.04e-03	2.12e-04	-4.43e-05
65	67	-0.47	1.34	-0.65	-9.93e-04	1.75e-04	-1.87e-06
65	77	-3.92e-04	0.03	-0.63	-5.67e-06	-1.57e-05	3.41e-06
65	80	-0.10	0.03	-0.60	-3.48e-06	-1.56e-05	1.87e-05
65	81	3.88e-04	0.16	-0.61	-8.41e-05	1.15e-05	-1.21e-05
65	83	-2.74e-04	0.03	-0.59	-9.32e-06	5.77e-06	2.61e-06
65	84	-2.94e-04	0.02	-0.59	-6.54e-06	4.12e-06	3.16e-06
65	86	-2.61e-04	0.03	-0.58	-8.72e-06	8.92e-06	2.72e-06
66	1	1.34e-03	0.04	-0.90	-3.24e-05	2.19e-04	-5.30e-06

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66	5	0.13	0.04	-0.85	-3.09e-05	1.91e-04	-6.85e-06
66	9	2.23e-03	0.24	-0.85	-2.06e-04	1.95e-04	2.18e-05
66	13	1.35	0.37	-0.53	-4.28e-04	1.96e-04	2.12e-04
66	16	-1.35	-0.32	-0.65	3.74e-04	1.54e-05	-2.17e-04
66	41	0.27	1.87	-0.56	-1.83e-03	2.46e-04	1.06e-05
66	45	0.96	0.27	-0.55	-3.13e-04	1.70e-04	1.50e-04
66	48	-0.96	-0.22	-0.64	2.59e-04	4.14e-05	-1.56e-04
66	73	0.20	1.34	-0.57	-1.31e-03	2.06e-04	6.93e-06
66	77	9.52e-04	0.03	-0.65	-2.34e-05	1.56e-04	-3.88e-06
66	79	0.09	0.03	-0.62	-2.24e-05	1.37e-04	-4.91e-06
66	81	1.54e-03	0.16	-0.62	-1.39e-04	1.40e-04	1.42e-05
66	83	7.70e-04	0.03	-0.60	-2.77e-05	1.14e-04	-2.63e-06
66	86	7.33e-04	0.03	-0.59	-2.68e-05	1.06e-04	-2.57e-06
67	1	7.35e-04	0.04	-0.96	-4.74e-05	5.92e-05	-3.15e-06
67	5	0.13	0.03	-0.90	-4.77e-05	4.40e-05	-1.42e-05
67	9	1.25e-03	0.25	-0.90	-2.62e-04	4.85e-05	1.06e-05
67	13	1.35	0.45	-0.61	-5.78e-04	2.90e-06	1.87e-04
67	39	-0.48	1.79	-0.64	-2.08e-03	5.63e-05	-1.37e-04
67	41	0.27	1.82	-0.64	-2.10e-03	4.02e-05	-2.00e-04
67	45	0.96	0.33	-0.61	-4.23e-04	9.42e-06	1.33e-04
67	71	-0.34	1.28	-0.64	-1.50e-03	4.75e-05	-9.81e-05
67	73	0.19	1.30	-0.63	-1.51e-03	3.60e-05	-1.43e-04
67	77	5.22e-04	0.02	-0.70	-3.45e-05	4.23e-05	-2.28e-06
67	79	0.09	0.02	-0.66	-3.47e-05	3.21e-05	-9.65e-06
67	81	8.67e-04	0.17	-0.66	-1.77e-04	3.51e-05	6.86e-06
67	83	4.14e-04	0.03	-0.63	-3.61e-05	2.84e-05	-1.60e-06
67	86	3.90e-04	0.02	-0.62	-3.59e-05	2.55e-05	-1.56e-06
68	1	0.0	0.03	-0.97	-5.23e-05	0.0	0.0
68	7	-0.13	0.03	-0.91	-5.24e-05	6.46e-06	1.11e-05
68	9	0.0	0.25	-0.91	-2.80e-04	0.0	0.0
68	19	-1.34	0.53	-0.63	-6.64e-04	6.52e-05	-1.65e-04
68	29	0.48	1.72	-0.65	-2.12e-03	-2.28e-05	2.23e-04
68	33	0.44	1.72	-0.65	-2.12e-03	-2.10e-05	9.44e-05
68	51	-0.96	0.39	-0.63	-4.85e-04	4.64e-05	-1.17e-04
68	61	0.34	1.23	-0.64	-1.53e-03	-1.62e-05	1.59e-04
68	65	0.31	1.23	-0.64	-1.53e-03	-1.50e-05	6.73e-05
68	77	0.0	0.02	-0.71	-3.81e-05	0.0	0.0
68	80	-0.09	0.02	-0.67	-3.81e-05	4.30e-06	7.41e-06
68	81	0.0	0.17	-0.67	-1.90e-04	0.0	0.0
68	83	0.0	0.03	-0.64	-3.89e-05	0.0	0.0
68	86	0.0	0.02	-0.62	-3.89e-05	0.0	0.0
69	1	-7.35e-04	0.04	-0.96	-4.74e-05	-5.92e-05	3.15e-06
69	7	-0.13	0.03	-0.90	-4.77e-05	-4.40e-05	1.42e-05
69	9	-1.25e-03	0.25	-0.90	-2.62e-04	-4.85e-05	-1.06e-05
69	19	-1.35	0.45	-0.61	-5.78e-04	-2.90e-06	-1.87e-04
69	29	0.48	1.79	-0.64	-2.08e-03	-5.63e-05	1.37e-04
69	35	-0.27	1.82	-0.64	-2.10e-03	-4.02e-05	2.00e-04
69	51	-0.96	0.33	-0.61	-4.23e-04	-9.42e-06	-1.33e-04
69	61	0.34	1.28	-0.64	-1.50e-03	-4.75e-05	9.81e-05
69	67	-0.19	1.30	-0.63	-1.51e-03	-3.60e-05	1.43e-04
69	77	-5.22e-04	0.02	-0.70	-3.45e-05	-4.23e-05	2.28e-06
69	80	-0.09	0.02	-0.66	-3.47e-05	-3.21e-05	9.65e-06
69	81	-8.67e-04	0.17	-0.66	-1.77e-04	-3.51e-05	-6.86e-06
69	83	-4.14e-04	0.03	-0.63	-3.61e-05	-2.84e-05	1.60e-06
69	86	-3.90e-04	0.02	-0.62	-3.59e-05	-2.55e-05	1.56e-06
70	1	-1.34e-03	0.04	-0.90	-3.24e-05	-2.19e-04	5.30e-06
70	7	-0.13	0.04	-0.85	-3.09e-05	-1.91e-04	6.85e-06
70	9	-2.23e-03	0.24	-0.85	-2.06e-04	-1.95e-04	-2.18e-05
70	18	1.35	-0.32	-0.65	3.74e-04	-1.54e-05	2.17e-04
70	19	-1.35	0.37	-0.53	-4.28e-04	-1.96e-04	-2.12e-04
70	35	-0.27	1.87	-0.56	-1.83e-03	-2.46e-04	-1.06e-05
70	50	0.96	-0.22	-0.64	2.59e-04	-4.14e-05	1.56e-04
70	51	-0.96	0.27	-0.55	-3.13e-04	-1.70e-04	-1.50e-04
70	67	-0.20	1.34	-0.57	-1.31e-03	-2.06e-04	-6.93e-06
70	77	-9.52e-04	0.03	-0.65	-2.34e-05	-1.56e-04	3.88e-06
70	80	-0.09	0.03	-0.62	-2.24e-05	-1.37e-04	4.91e-06

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70	81	-1.54e-03	0.16	-0.62	-1.39e-04	-1.40e-04	-1.42e-05
70	83	-7.70e-04	0.03	-0.60	-2.77e-05	-1.14e-04	2.63e-06
70	86	-7.33e-04	0.03	-0.59	-2.68e-05	-1.06e-04	2.57e-06
71	3	-3.01e-04	0.02	-6.72	7.51e-03	-8.63e-05	0.0
71	7	-0.15	0.04	-5.68	6.22e-03	-7.83e-05	-3.71e-06
71	9	-3.64e-04	0.24	-5.70	6.21e-03	-5.11e-05	3.46e-06
71	17	1.43	0.56	-3.87	2.98e-03	9.58e-05	6.13e-05
71	23	-1.49	0.84	-3.03	3.91e-03	-5.65e-05	3.07e-04
71	35	-0.58	1.87	-3.48	3.44e-03	9.40e-05	2.52e-04
71	49	1.02	0.41	-3.72	3.14e-03	6.09e-05	4.35e-05
71	55	-1.06	0.61	-3.12	3.80e-03	-4.77e-05	2.19e-04
71	67	-0.41	1.34	-3.44	3.47e-03	5.96e-05	1.80e-04
71	78	-2.09e-04	0.02	-4.74	5.27e-03	-5.77e-05	0.0
71	80	-0.10	0.03	-4.04	4.41e-03	-5.24e-05	-2.52e-06
71	81	-2.51e-04	0.16	-4.05	4.40e-03	-3.43e-05	2.26e-06
71	83	-1.72e-04	0.03	-3.36	3.54e-03	-3.05e-05	0.0
71	84	-1.74e-04	0.02	-3.62	3.88e-03	-3.13e-05	0.0
71	86	-1.66e-04	0.03	-3.35	3.54e-03	-2.58e-05	0.0
72	3	-3.56e-04	0.02	-6.74	-7.47e-03	-1.55e-04	-3.30e-06
72	7	-0.14	0.04	-5.69	-6.18e-03	-1.42e-04	2.06e-05
72	9	-1.96e-04	0.24	-5.70	-6.20e-03	-1.32e-04	1.74e-06
72	17	1.40	0.56	-3.85	-4.14e-03	-4.64e-06	-1.64e-04
72	20	-1.40	-0.51	-2.86	-2.91e-03	-1.37e-04	1.60e-04
72	35	-0.47	1.87	-3.45	-3.70e-03	-7.96e-05	2.84e-04
72	49	0.99	0.41	-3.71	-3.97e-03	-2.37e-05	-1.17e-04
72	52	-0.99	-0.35	-3.00	-3.09e-03	-1.18e-04	1.14e-04
72	67	-0.33	1.34	-3.42	-3.65e-03	-7.71e-05	2.02e-04
72	78	-2.54e-04	0.02	-4.75	-5.23e-03	-1.09e-04	-2.36e-06
72	80	-0.09	0.03	-4.05	-4.38e-03	-1.00e-04	1.36e-05
72	81	-1.48e-04	0.16	-4.06	-4.39e-03	-9.39e-05	0.0
72	83	-2.06e-04	0.03	-3.36	-3.52e-03	-7.77e-05	-1.67e-06
72	84	-2.06e-04	0.02	-3.63	-3.87e-03	-7.74e-05	-1.74e-06
72	86	-1.97e-04	0.03	-3.35	-3.53e-03	-7.11e-05	-1.60e-06
73	3	-1.13e-04	0.02	-8.02	2.38e-05	-1.21e-04	0.0
73	7	-0.14	0.04	-6.76	1.86e-05	-1.10e-04	1.13e-05
73	9	-8.49e-05	0.24	-6.77	5.56e-06	-9.18e-05	0.0
73	17	1.42	0.56	-4.57	-4.67e-05	4.60e-05	4.48e-05
73	20	-1.42	-0.51	-3.35	5.96e-05	-1.43e-04	-4.41e-05
73	35	-0.52	1.87	-4.10	-7.56e-05	-1.74e-06	2.32e-04
73	49	1.01	0.41	-4.39	-3.14e-05	1.89e-05	3.20e-05
73	52	-1.01	-0.35	-3.53	4.43e-05	-1.16e-04	-3.13e-05
73	67	-0.37	1.34	-4.06	-5.20e-05	-1.51e-05	1.66e-04
73	78	-8.06e-05	0.02	-5.65	1.81e-05	-8.35e-05	0.0
73	80	-0.10	0.03	-4.80	1.47e-05	-7.64e-05	7.57e-06
73	81	-6.16e-05	0.16	-4.81	5.96e-06	-6.41e-05	0.0
73	83	-7.02e-05	0.03	-3.97	7.64e-06	-5.41e-05	0.0
73	84	-6.94e-05	0.02	-4.30	8.56e-06	-5.43e-05	0.0
73	86	-6.73e-05	0.03	-3.96	6.47e-06	-4.84e-05	0.0
74	1	4.25e-03	0.03	-0.88	1.62e-05	-1.32e-05	2.10e-06
74	6	0.30	0.03	-0.71	1.44e-05	2.79e-04	-1.64e-06
74	9	-6.39e-05	0.10	-0.84	6.85e-05	-2.59e-06	-3.11e-06
74	14	0.73	-0.16	-0.51	-5.90e-05	1.99e-03	7.95e-05
74	15	-0.73	0.19	-0.68	6.59e-05	-1.98e-03	-7.76e-05
74	41	0.25	0.62	-0.61	5.82e-04	7.08e-04	-1.06e-04
74	46	0.52	-0.11	-0.53	-4.11e-05	1.42e-03	5.69e-05
74	47	-0.52	0.14	-0.66	4.79e-05	-1.41e-03	-5.50e-05
74	73	0.18	0.44	-0.61	4.16e-04	5.06e-04	-7.56e-05
74	77	2.65e-03	0.02	-0.64	1.24e-05	-1.05e-05	1.94e-06
74	79	0.20	0.02	-0.61	1.36e-05	1.82e-04	0.0
74	81	-2.19e-04	0.07	-0.62	4.73e-05	-3.45e-06	-1.53e-06
74	83	9.01e-04	0.02	-0.61	4.54e-06	3.11e-06	1.19e-06
74	86	1.10e-05	0.02	-0.60	3.41e-06	5.61e-06	0.0
75	1	-4.25e-03	0.03	-0.88	1.62e-05	1.32e-05	-2.10e-06
75	8	-0.30	0.03	-0.71	1.44e-05	-2.79e-04	1.64e-06
75	9	6.39e-05	0.10	-0.84	6.85e-05	2.59e-06	3.11e-06
75	17	0.73	0.19	-0.68	6.59e-05	1.98e-03	7.76e-05

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75	20	-0.73	-0.16	-0.51	-5.90e-05	-1.99e-03	-7.95e-05
75	35	-0.25	0.62	-0.61	5.82e-04	-7.08e-04	1.06e-04
75	49	0.52	0.14	-0.66	4.79e-05	1.41e-03	5.50e-05
75	52	-0.52	-0.11	-0.53	-4.11e-05	-1.42e-03	-5.69e-05
75	67	-0.18	0.44	-0.61	4.16e-04	-5.06e-04	7.56e-05
75	77	-2.65e-03	0.02	-0.64	1.24e-05	1.05e-05	-1.94e-06
75	80	-0.20	0.02	-0.61	1.36e-05	-1.82e-04	0.0
75	81	2.19e-04	0.07	-0.62	4.73e-05	3.45e-06	1.53e-06
75	83	-9.01e-04	0.02	-0.61	4.54e-06	-3.11e-06	-1.19e-06
75	86	-1.10e-05	0.02	-0.60	3.41e-06	-5.61e-06	0.0
76	1	9.89e-05	0.04	-0.85	5.55e-06	2.19e-04	0.0
76	5	0.15	0.04	-0.80	6.85e-06	1.57e-04	-1.11e-05
76	9	6.26e-05	0.23	-0.81	2.04e-05	1.94e-04	1.27e-06
76	14	1.42	-0.51	-0.50	-1.96e-06	5.19e-04	5.18e-05
76	15	-1.42	0.56	-0.65	-3.24e-06	-2.92e-04	-5.19e-05
76	41	0.52	1.88	-0.58	1.96e-04	1.91e-04	-2.60e-04
76	46	1.01	-0.35	-0.52	-2.15e-06	4.03e-04	3.69e-05
76	47	-1.01	0.41	-0.63	-3.05e-06	-1.75e-04	-3.70e-05
76	73	0.37	1.35	-0.57	1.39e-04	1.68e-04	-1.86e-04
76	77	7.03e-05	0.03	-0.62	4.68e-06	1.56e-04	0.0
76	79	0.10	0.03	-0.58	5.55e-06	1.15e-04	-7.39e-06
76	81	4.60e-05	0.16	-0.59	1.46e-05	1.40e-04	0.0
76	83	6.04e-05	0.03	-0.58	-1.89e-06	1.18e-04	0.0
76	86	5.81e-05	0.03	-0.57	-2.60e-06	1.14e-04	0.0
77	1	-9.89e-05	0.04	-0.85	5.55e-06	-2.19e-04	0.0
77	7	-0.15	0.04	-0.80	6.85e-06	-1.57e-04	1.11e-05
77	9	-6.26e-05	0.23	-0.81	2.04e-05	-1.94e-04	-1.27e-06
77	17	1.42	0.56	-0.65	-3.24e-06	2.92e-04	5.19e-05
77	20	-1.42	-0.51	-0.50	-1.96e-06	-5.19e-04	-5.18e-05
77	35	-0.52	1.88	-0.58	1.96e-04	-1.91e-04	2.60e-04
77	49	1.01	0.41	-0.63	-3.05e-06	1.75e-04	3.70e-05
77	52	-1.01	-0.35	-0.52	-2.15e-06	-4.03e-04	-3.69e-05
77	67	-0.37	1.35	-0.57	1.39e-04	-1.68e-04	1.86e-04
77	77	-7.03e-05	0.03	-0.62	4.68e-06	-1.56e-04	0.0
77	80	-0.10	0.03	-0.58	5.55e-06	-1.15e-04	7.39e-06
77	81	-4.60e-05	0.16	-0.59	1.46e-05	1.40e-04	0.0
77	83	-6.04e-05	0.03	-0.58	-1.89e-06	-1.18e-04	0.0
77	86	-5.81e-05	0.03	-0.57	-2.60e-06	-1.14e-04	0.0
78	3	3.56e-04	0.02	-6.74	-7.47e-03	1.55e-04	3.30e-06
78	5	0.14	0.04	-5.69	-6.18e-03	1.42e-04	-2.06e-05
78	9	1.96e-04	0.24	-5.70	-6.20e-03	1.32e-04	-1.74e-06
78	14	1.40	-0.51	-2.86	-2.91e-03	1.37e-04	-1.60e-04
78	15	-1.40	0.56	-3.85	-4.14e-03	4.64e-06	1.64e-04
78	41	0.47	1.87	-3.45	-3.70e-03	7.96e-05	-2.84e-04
78	46	0.99	-0.35	-3.00	-3.09e-03	1.18e-04	-1.14e-04
78	47	-0.99	0.41	-3.71	-3.97e-03	2.37e-05	1.17e-04
78	73	0.33	1.34	-3.42	-3.65e-03	7.71e-05	-2.02e-04
78	78	2.54e-04	0.02	-4.75	-5.23e-03	1.09e-04	2.36e-06
78	79	0.09	0.03	-4.05	-4.38e-03	1.00e-04	-1.36e-05
78	81	1.48e-04	0.16	-4.06	-4.39e-03	9.39e-05	0.0
78	83	2.06e-04	0.03	-3.36	-3.52e-03	7.77e-05	1.67e-06
78	84	2.06e-04	0.02	-3.63	-3.87e-03	7.74e-05	1.74e-06
78	86	1.97e-04	0.03	-3.35	-3.53e-03	7.11e-05	1.60e-06
79	3	-2.24e-04	0.02	-6.65	7.44e-03	-1.76e-05	0.0
79	7	-0.15	0.04	-5.62	6.17e-03	-4.12e-05	0.0
79	9	-2.63e-04	0.24	-5.63	6.16e-03	0.0	2.39e-06
79	17	1.43	0.56	-3.60	3.21e-03	3.16e-04	5.70e-05
79	23	-1.49	0.77	-3.16	3.68e-03	-2.58e-04	3.23e-04
79	35	-0.58	1.85	-3.42	3.41e-03	-7.52e-06	2.46e-04
79	49	1.02	0.40	-3.51	3.29e-03	2.26e-04	4.06e-05
79	55	-1.06	0.56	-3.20	3.64e-03	-1.83e-04	2.30e-04
79	67	-0.41	1.33	-3.39	3.44e-03	-4.44e-06	1.75e-04
79	78	-1.56e-04	0.01	-4.68	5.22e-03	-9.99e-06	0.0
79	80	-0.10	0.03	-4.00	4.37e-03	-2.57e-05	0.0
79	81	-1.83e-04	0.16	-4.01	4.36e-03	1.26e-06	1.56e-06
79	83	-1.31e-04	0.03	-3.32	3.51e-03	0.0	0.0

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79	84	-1.32e-04	0.02	-3.58	3.85e-03	1.07e-06	0.0
79	86	-1.27e-04	0.03	-3.31	3.51e-03	3.16e-06	0.0
80	3	-2.54e-04	0.02	-6.68	-7.35e-03	-5.76e-05	-1.61e-06
80	7	-0.14	0.04	-5.65	-6.08e-03	-7.59e-05	2.07e-05
80	9	-1.51e-04	0.24	-5.66	-6.09e-03	-4.84e-05	0.0
80	17	1.39	0.56	-3.60	-3.81e-03	-2.30e-04	-1.81e-04
80	20	-1.39	-0.51	-3.05	-3.13e-03	-2.76e-04	1.79e-04
80	35	-0.47	1.85	-3.42	-3.60e-03	-8.20e-05	2.73e-04
80	49	0.99	0.40	-3.52	-3.71e-03	1.57e-04	-1.29e-04
80	52	-0.99	-0.35	-3.13	-3.23e-03	-2.03e-04	1.27e-04
80	67	-0.33	1.33	-3.40	-3.56e-03	-6.51e-05	1.94e-04
80	78	-1.81e-04	0.01	-4.71	-5.15e-03	-3.99e-05	-1.15e-06
80	80	-0.09	0.03	-4.02	-4.31e-03	-5.21e-05	1.37e-05
80	81	-1.12e-04	0.16	-4.02	-4.31e-03	-3.38e-05	0.0
80	83	-1.49e-04	0.03	-3.34	-3.47e-03	-2.71e-05	0.0
80	84	-1.50e-04	0.02	-3.60	-3.80e-03	-2.58e-05	0.0
80	86	-1.43e-04	0.03	-3.33	-3.47e-03	-2.32e-05	0.0
81	3	-1.07e-04	0.02	-7.94	4.76e-05	-3.76e-05	0.0
81	7	-0.14	0.04	-6.69	4.02e-05	-5.85e-05	1.05e-05
81	9	-8.25e-05	0.24	-6.70	3.36e-05	-2.46e-05	0.0
81	17	1.42	0.56	-4.25	-7.07e-06	2.76e-04	4.63e-05
81	20	-1.42	-0.51	-3.59	5.12e-05	-2.96e-04	-4.59e-05
81	35	-0.52	1.85	-4.05	-1.00e-05	-4.94e-05	2.35e-04
81	49	1.01	0.40	-4.16	1.30e-06	1.94e-04	3.30e-05
81	52	-1.01	-0.35	-3.68	4.29e-05	-2.14e-04	-3.27e-05
81	67	-0.37	1.33	-4.01	0.0	-3.81e-05	1.68e-04
81	78	-7.58e-05	0.01	-5.59	3.59e-05	-2.49e-05	0.0
81	80	-0.10	0.03	-4.76	3.10e-05	-3.89e-05	7.03e-06
81	81	-5.95e-05	0.16	-4.76	2.66e-05	-1.63e-05	0.0
81	83	-6.40e-05	0.03	-3.93	2.39e-05	-1.33e-05	0.0
81	84	-6.35e-05	0.02	-4.25	2.45e-05	-1.24e-05	0.0
81	86	-6.11e-05	0.03	-3.92	2.21e-05	-1.00e-05	0.0
82	3	2.24e-04	0.02	-6.65	7.44e-03	1.76e-05	0.0
82	5	0.15	0.04	-5.62	6.17e-03	4.12e-05	0.0
82	9	2.63e-04	0.24	-5.63	6.16e-03	0.0	-2.39e-06
82	15	-1.43	0.56	-3.60	3.21e-03	-3.16e-04	-5.70e-05
82	25	1.49	0.77	-3.16	3.68e-03	2.58e-04	-3.23e-04
82	41	0.58	1.85	-3.42	3.41e-03	7.52e-06	-2.46e-04
82	47	-1.02	0.40	-3.51	3.29e-03	-2.26e-04	-4.06e-05
82	57	1.06	0.56	-3.20	3.64e-03	1.83e-04	-2.30e-04
82	73	0.41	1.33	-3.39	3.44e-03	4.44e-06	-1.75e-04
82	78	1.56e-04	0.01	-4.68	5.22e-03	9.99e-06	0.0
82	79	0.10	0.03	-4.00	4.37e-03	2.57e-05	0.0
82	81	1.83e-04	0.16	-4.01	4.36e-03	-1.26e-06	-1.56e-06
82	83	1.31e-04	0.03	-3.32	3.51e-03	0.0	0.0
82	84	1.32e-04	0.02	-3.58	3.85e-03	-1.07e-06	0.0
82	86	1.27e-04	0.03	-3.31	3.51e-03	-3.16e-06	0.0
83	3	-1.46e-04	0.02	-6.59	7.36e-03	-1.56e-05	0.0
83	7	-0.15	0.03	-5.58	6.10e-03	-9.15e-06	0.0
83	9	-1.67e-04	0.25	-5.58	6.10e-03	-3.55e-06	1.59e-06
83	23	-1.49	0.70	-3.23	3.53e-03	3.61e-05	2.97e-04
83	35	-0.58	1.82	-3.40	3.35e-03	6.62e-05	2.28e-04
83	37	0.56	1.63	-3.47	3.27e-03	4.30e-05	-9.88e-05
83	55	-1.06	0.50	-3.25	3.52e-03	2.58e-05	2.12e-04
83	67	-0.41	1.30	-3.37	3.39e-03	4.72e-05	1.63e-04
83	69	0.40	1.17	-3.42	3.33e-03	3.07e-05	-7.05e-05
83	78	-1.02e-04	0.01	-4.64	5.16e-03	-9.76e-06	0.0
83	80	-0.10	0.02	-3.97	4.32e-03	-5.49e-06	0.0
83	81	-1.15e-04	0.17	-3.97	4.32e-03	-1.76e-06	1.03e-06
83	83	-8.48e-05	0.03	-3.29	3.48e-03	-1.55e-06	0.0
83	84	-8.56e-05	0.02	-3.55	3.82e-03	-1.49e-06	0.0
83	86	-8.21e-05	0.02	-3.28	3.48e-03	0.0	0.0
84	3	-1.80e-04	0.02	-6.63	-7.24e-03	-3.74e-05	-1.75e-06
84	7	-0.14	0.03	-5.61	-6.00e-03	-2.89e-05	1.97e-05
84	9	-1.15e-04	0.25	-5.61	-6.00e-03	-2.90e-05	0.0
84	20	-1.39	-0.50	-3.16	-3.24e-03	2.96e-06	1.64e-04

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84	35	-0.47	1.82	-3.42	-3.56e-03	6.36e-06	2.60e-04
84	37	0.49	1.63	-3.49	-3.64e-03	-1.13e-05	-1.71e-04
84	52	-0.99	-0.35	-3.20	-3.29e-03	-2.03e-06	1.17e-04
84	67	-0.33	1.30	-3.38	-3.52e-03	0.0	1.85e-04
84	69	0.35	1.17	-3.43	-3.58e-03	-1.22e-05	-1.22e-04
84	78	-1.28e-04	0.01	-4.67	-5.07e-03	-2.63e-05	-1.25e-06
84	80	-0.09	0.02	-3.99	-4.24e-03	-2.06e-05	1.31e-05
84	81	-8.53e-05	0.17	-4.00	-4.25e-03	-2.06e-05	0.0
84	83	-1.05e-04	0.03	-3.32	-3.42e-03	-1.67e-05	0.0
84	84	-1.06e-04	0.02	-3.57	-3.75e-03	-1.63e-05	0.0
84	86	-1.01e-04	0.02	-3.30	-3.42e-03	-1.44e-05	0.0
85	3	-7.80e-05	0.02	-7.87	5.96e-05	-2.65e-05	0.0
85	7	-0.14	0.03	-6.64	5.09e-05	-1.90e-05	1.08e-05
85	9	-6.18e-05	0.25	-6.64	4.79e-05	-1.63e-05	0.0
85	20	-1.42	-0.50	-3.71	4.46e-05	0.0	-4.65e-05
85	35	-0.52	1.82	-4.03	2.11e-05	3.61e-05	2.41e-04
85	37	0.52	1.63	-4.11	1.35e-05	1.58e-05	-1.33e-04
85	52	-1.01	-0.35	-3.76	4.04e-05	-2.54e-06	-3.31e-05
85	67	-0.37	1.30	-3.99	2.37e-05	2.37e-05	1.72e-04
85	69	0.37	1.17	-4.05	1.82e-05	9.25e-06	-9.44e-05
85	78	-5.53e-05	0.01	-5.54	4.49e-05	-1.80e-05	0.0
85	80	-0.10	0.02	-4.72	3.91e-05	-1.30e-05	7.24e-06
85	81	-4.45e-05	0.17	-4.72	3.71e-05	-1.12e-05	0.0
85	83	-4.67e-05	0.03	-3.90	3.23e-05	-9.14e-06	0.0
85	84	-4.65e-05	0.02	-4.22	3.26e-05	-8.87e-06	0.0
85	86	-4.48e-05	0.02	-3.89	3.01e-05	-7.10e-06	0.0
86	3	2.54e-04	0.02	-6.68	-7.35e-03	5.76e-05	1.61e-06
86	5	0.14	0.04	-5.65	-6.08e-03	7.59e-05	-2.07e-05
86	9	1.51e-04	0.24	-5.66	-6.09e-03	4.84e-05	0.0
86	14	1.39	-0.51	-3.05	-3.13e-03	2.76e-04	-1.79e-04
86	15	-1.39	0.56	-3.60	-3.81e-03	-2.30e-04	1.81e-04
86	41	0.47	1.85	-3.42	-3.60e-03	8.20e-05	-2.73e-04
86	46	0.99	-0.35	-3.13	-3.23e-03	2.03e-04	-1.27e-04
86	47	-0.99	0.40	-3.52	-3.71e-03	-1.57e-04	1.29e-04
86	73	0.33	1.33	-3.40	-3.56e-03	6.51e-05	-1.94e-04
86	78	1.81e-04	0.01	-4.71	-5.15e-03	3.99e-05	1.15e-06
86	79	0.09	0.03	-4.02	-4.31e-03	5.21e-05	-1.37e-05
86	81	1.12e-04	0.16	-4.02	-4.31e-03	3.38e-05	0.0
86	83	1.49e-04	0.03	-3.34	-3.47e-03	2.71e-05	0.0
86	84	1.50e-04	0.02	-3.60	-3.80e-03	2.58e-05	0.0
86	86	1.43e-04	0.03	-3.33	-3.47e-03	2.32e-05	0.0
87	3	-7.20e-05	0.02	-6.58	7.36e-03	-6.70e-06	0.0
87	7	-0.15	0.03	-5.57	6.10e-03	-2.20e-05	0.0
87	9	-8.05e-05	0.25	-5.57	6.10e-03	-1.89e-06	0.0
87	23	-1.49	0.62	-3.29	3.47e-03	-2.08e-04	3.19e-04
87	35	-0.58	1.77	-3.41	3.33e-03	-4.88e-05	2.37e-04
87	37	0.56	1.68	-3.44	3.30e-03	9.71e-05	-1.20e-04
87	55	-1.06	0.45	-3.28	3.47e-03	-1.48e-04	2.27e-04
87	67	-0.41	1.27	-3.37	3.37e-03	-3.49e-05	1.69e-04
87	69	0.40	1.21	-3.39	3.35e-03	6.91e-05	-8.53e-05
87	78	-5.03e-05	0.01	-4.64	5.17e-03	-4.35e-06	0.0
87	80	-0.10	0.02	-3.96	4.33e-03	-1.45e-05	0.0
87	81	-5.59e-05	0.17	-3.96	4.33e-03	-1.15e-06	0.0
87	83	-4.20e-05	0.03	-3.29	3.49e-03	0.0	0.0
87	84	-4.24e-05	0.02	-3.55	3.82e-03	0.0	0.0
87	86	-4.07e-05	0.02	-3.28	3.48e-03	0.0	0.0
88	3	-8.80e-05	0.02	-6.62	-7.23e-03	-1.39e-05	0.0
88	7	-0.14	0.03	-5.61	-5.99e-03	-2.70e-05	2.12e-05
88	9	-5.86e-05	0.25	-5.61	-5.99e-03	-1.04e-05	0.0
88	20	-1.39	-0.49	-3.22	-3.32e-03	-1.97e-04	1.79e-04
88	35	-0.47	1.77	-3.43	-3.57e-03	-4.63e-05	2.68e-04
88	37	0.49	1.68	-3.46	-3.61e-03	6.31e-05	-1.95e-04
88	52	-0.99	-0.35	-3.24	-3.34e-03	-1.42e-04	1.28e-04
88	67	-0.33	1.27	-3.39	-3.53e-03	-3.44e-05	1.91e-04
88	69	0.35	1.20	-3.41	-3.55e-03	4.35e-05	-1.39e-04
88	78	-6.27e-05	0.01	-4.67	-5.07e-03	-9.80e-06	0.0

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88	80	-0.09	0.02	-3.99	-4.24e-03	-1.85e-05	1.41e-05
88	81	-4.31e-05	0.17	-3.99	-4.24e-03	-7.50e-06	0.0
88	83	-5.18e-05	0.03	-3.31	-3.41e-03	-5.90e-06	0.0
88	84	-5.20e-05	0.02	-3.57	-3.75e-03	-5.83e-06	0.0
88	86	-4.99e-05	0.02	-3.30	-3.42e-03	-5.05e-06	0.0
89	3	-4.22e-05	0.02	-7.86	6.52e-05	-1.03e-05	0.0
89	7	-0.14	0.03	-6.63	5.58e-05	-2.45e-05	1.03e-05
89	9	-3.35e-05	0.25	-6.64	5.44e-05	-6.15e-06	0.0
89	20	-1.42	-0.49	-3.79	3.96e-05	-2.07e-04	-4.65e-05
89	35	-0.52	1.77	-4.04	3.28e-05	-4.78e-05	2.37e-04
89	37	0.52	1.68	-4.07	2.94e-05	7.91e-05	-1.23e-04
89	52	-1.01	-0.35	-3.81	3.80e-05	-1.48e-04	-3.31e-05
89	67	-0.37	1.27	-4.00	3.31e-05	-3.48e-05	1.69e-04
89	69	0.37	1.21	-4.02	3.07e-05	5.56e-05	-8.77e-05
89	78	-2.99e-05	0.01	-5.53	4.92e-05	-7.08e-06	0.0
89	80	-0.10	0.02	-4.72	4.29e-05	-1.65e-05	6.86e-06
89	81	-2.41e-05	0.17	-4.72	4.19e-05	-4.32e-06	0.0
89	83	-2.51e-05	0.03	-3.90	3.62e-05	-3.37e-06	0.0
89	84	-2.49e-05	0.02	-4.21	3.64e-05	-3.38e-06	0.0
89	86	-2.40e-05	0.02	-3.88	3.38e-05	-2.63e-06	0.0
90	3	1.07e-04	0.02	-7.94	4.76e-05	3.76e-05	0.0
90	5	0.14	0.04	-6.69	4.02e-05	5.85e-05	-1.05e-05
90	9	8.25e-05	0.24	-6.70	3.36e-05	2.46e-05	0.0
90	14	1.42	-0.51	-3.59	5.12e-05	2.96e-04	4.59e-05
90	15	-1.42	0.56	-4.25	-7.07e-06	-2.76e-04	-4.63e-05
90	41	0.52	1.85	-4.05	-1.00e-05	4.94e-05	-2.35e-04
90	46	1.01	-0.35	-3.68	4.29e-05	2.14e-04	3.27e-05
90	47	-1.01	0.40	-4.16	1.30e-06	-1.94e-04	-3.30e-05
90	73	0.37	1.33	-4.01	0.0	3.81e-05	-1.68e-04
90	78	7.58e-05	0.01	-5.59	3.59e-05	2.49e-05	0.0
90	79	0.10	0.03	-4.76	3.10e-05	3.89e-05	-7.03e-06
90	81	5.95e-05	0.16	-4.76	2.66e-05	1.63e-05	0.0
90	83	6.40e-05	0.03	-3.93	2.39e-05	1.33e-05	0.0
90	84	6.35e-05	0.02	-4.25	2.45e-05	1.24e-05	0.0
90	86	6.11e-05	0.03	-3.92	2.21e-05	1.00e-05	0.0
91	3	0.0	0.02	-6.59	7.37e-03	0.0	0.0
91	5	0.15	0.03	-5.58	6.10e-03	-5.38e-06	0.0
91	9	0.0	0.25	-5.58	6.10e-03	0.0	0.0
91	25	1.49	0.53	-3.33	3.54e-03	-5.81e-05	-2.92e-04
91	29	0.27	1.72	-3.43	3.65e-03	-5.31e-06	1.67e-04
91	33	0.29	1.72	-3.43	3.65e-03	-7.04e-06	6.36e-05
91	57	1.06	0.39	-3.31	3.52e-03	-4.14e-05	-2.08e-04
91	61	0.19	1.23	-3.38	3.61e-03	-3.78e-06	1.19e-04
91	65	0.21	1.23	-3.38	3.61e-03	-5.02e-06	4.54e-05
91	78	0.0	0.01	-4.64	5.17e-03	0.0	0.0
91	79	0.10	0.02	-3.97	4.33e-03	-3.59e-06	0.0
91	81	0.0	0.17	-3.97	4.33e-03	0.0	0.0
91	83	0.0	0.03	-3.29	3.49e-03	0.0	0.0
91	84	0.0	0.02	-3.55	3.82e-03	0.0	0.0
91	86	0.0	0.02	-3.28	3.48e-03	0.0	0.0
92	3	0.0	0.02	-6.64	-7.23e-03	0.0	0.0
92	7	-0.14	0.03	-5.62	-5.99e-03	5.99e-06	2.08e-05
92	9	0.0	0.25	-5.62	-5.99e-03	0.0	0.0
92	17	1.39	0.53	-3.35	-3.36e-03	-5.91e-05	-1.68e-04
92	29	0.33	1.72	-3.45	-3.24e-03	-1.26e-05	1.06e-04
92	33	0.31	1.72	-3.45	-3.24e-03	-1.24e-05	4.29e-05
92	52	-0.99	-0.34	-3.28	-3.45e-03	4.21e-05	1.20e-04
92	61	0.24	1.23	-3.41	-3.29e-03	-9.00e-06	7.59e-05
92	65	0.22	1.23	-3.41	-3.29e-03	-8.81e-06	3.06e-05
92	78	0.0	0.01	-4.68	-5.07e-03	0.0	0.0
92	80	-0.09	0.02	-4.00	-4.24e-03	3.99e-06	1.39e-05
92	81	0.0	0.17	-4.00	-4.24e-03	0.0	0.0
92	83	0.0	0.03	-3.32	-3.41e-03	0.0	0.0
92	84	0.0	0.02	-3.58	-3.75e-03	0.0	0.0
92	86	0.0	0.02	-3.31	-3.41e-03	0.0	0.0
93	3	0.0	0.02	-7.87	6.67e-05	0.0	0.0

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93	5	0.14	0.03	-6.64	5.67e-05	-5.69e-06	-1.05e-05
93	9	0.0	0.25	-6.65	5.60e-05	0.0	0.0
93	17	1.42	0.53	-3.94	3.55e-05	-5.57e-05	4.84e-05
93	29	0.31	1.72	-4.06	3.73e-05	-9.12e-06	1.84e-04
93	33	0.31	1.72	-4.06	3.73e-05	-9.84e-06	6.47e-05
93	49	1.01	0.39	-3.93	3.53e-05	-3.97e-05	3.45e-05
93	61	0.22	1.23	-4.01	3.66e-05	-6.50e-06	1.32e-04
93	65	0.22	1.23	-4.01	3.66e-05	-7.01e-06	4.61e-05
93	78	0.0	0.01	-5.54	5.02e-05	0.0	0.0
93	79	0.10	0.02	-4.72	4.36e-05	-3.79e-06	-6.99e-06
93	81	0.0	0.17	-4.73	4.32e-05	0.0	0.0
93	83	0.0	0.03	-3.90	3.72e-05	0.0	0.0
93	84	0.0	0.02	-4.22	3.74e-05	0.0	0.0
93	86	0.0	0.02	-3.89	3.48e-05	0.0	0.0
94	3	1.13e-04	0.02	-8.02	2.38e-05	1.21e-04	0.0
94	5	0.14	0.04	-6.76	1.86e-05	1.10e-04	-1.13e-05
94	9	8.49e-05	0.24	-6.77	5.56e-06	9.18e-05	0.0
94	14	1.42	-0.51	-3.35	5.96e-05	1.43e-04	4.41e-05
94	15	-1.42	0.56	-4.57	-4.67e-05	-4.60e-05	-4.48e-05
94	41	0.52	1.87	-4.10	-7.56e-05	1.74e-06	-2.32e-04
94	46	1.01	-0.35	-3.53	4.43e-05	1.16e-04	3.13e-05
94	47	-1.01	0.41	-4.39	-3.14e-05	-1.89e-05	-3.20e-05
94	73	0.37	1.34	-4.06	-5.20e-05	1.51e-05	-1.66e-04
94	78	8.06e-05	0.02	-5.65	1.81e-05	8.35e-05	0.0
94	79	0.10	0.03	-4.80	1.47e-05	7.64e-05	-7.57e-06
94	81	6.16e-05	0.16	-4.81	5.96e-06	6.41e-05	0.0
94	83	7.02e-05	0.03	-3.97	7.64e-06	5.41e-05	0.0
94	84	6.94e-05	0.02	-4.30	8.56e-06	5.43e-05	0.0
94	86	6.73e-05	0.03	-3.96	6.47e-06	4.84e-05	0.0
95	3	7.20e-05	0.02	-6.58	7.36e-03	6.70e-06	0.0
95	5	0.15	0.03	-5.57	6.10e-03	2.20e-05	0.0
95	9	8.05e-05	0.25	-5.57	6.10e-03	1.89e-06	0.0
95	25	1.49	0.62	-3.29	3.47e-03	2.08e-04	-3.19e-04
95	31	-0.56	1.68	-3.44	3.30e-03	-9.71e-05	1.20e-04
95	41	0.58	1.77	-3.41	3.33e-03	4.88e-05	-2.37e-04
95	57	1.06	0.45	-3.28	3.47e-03	1.48e-04	-2.27e-04
95	63	-0.40	1.21	-3.39	3.35e-03	-6.91e-05	8.53e-05
95	73	0.41	1.27	-3.37	3.37e-03	3.49e-05	-1.69e-04
95	78	5.03e-05	0.01	-4.64	5.17e-03	4.35e-06	0.0
95	79	0.10	0.02	-3.96	4.33e-03	1.45e-05	0.0
95	81	5.59e-05	0.17	-3.96	4.33e-03	1.15e-06	0.0
95	83	4.20e-05	0.03	-3.29	3.49e-03	0.0	0.0
95	84	4.24e-05	0.02	-3.55	3.82e-03	0.0	0.0
95	86	4.07e-05	0.02	-3.28	3.48e-03	0.0	0.0
96	3	8.80e-05	0.02	-6.62	-7.23e-03	1.39e-05	0.0
96	5	0.14	0.03	-5.61	-5.99e-03	2.70e-05	-2.12e-05
96	9	5.86e-05	0.25	-5.61	-5.99e-03	1.04e-05	0.0
96	14	1.39	-0.49	-3.22	-3.32e-03	1.97e-04	-1.79e-04
96	31	-0.49	1.68	-3.46	-3.61e-03	-6.31e-05	1.95e-04
96	41	0.47	1.77	-3.43	-3.57e-03	4.63e-05	-2.68e-04
96	46	0.99	-0.35	-3.24	-3.34e-03	1.42e-04	-1.28e-04
96	63	-0.35	1.20	-3.41	-3.55e-03	-4.35e-05	1.39e-04
96	73	0.33	1.27	-3.39	-3.53e-03	3.44e-05	-1.91e-04
96	78	6.27e-05	0.01	-4.67	-5.07e-03	9.80e-06	0.0
96	79	0.09	0.02	-3.99	-4.24e-03	1.85e-05	-1.41e-05
96	81	4.31e-05	0.17	-3.99	-4.24e-03	7.50e-06	0.0
96	83	5.18e-05	0.03	-3.31	-3.41e-03	5.90e-06	0.0
96	84	5.20e-05	0.02	-3.57	-3.75e-03	5.83e-06	0.0
96	86	4.99e-05	0.02	-3.30	-3.42e-03	5.05e-06	0.0
97	3	4.22e-05	0.02	-7.86	6.52e-05	1.03e-05	0.0
97	5	0.14	0.03	-6.63	5.58e-05	2.45e-05	-1.03e-05
97	9	3.35e-05	0.25	-6.64	5.44e-05	6.15e-06	0.0
97	14	1.42	-0.49	-3.79	3.96e-05	2.07e-04	4.65e-05
97	31	-0.52	1.68	-4.07	2.94e-05	-7.91e-05	1.23e-04
97	41	0.52	1.77	-4.04	3.28e-05	4.78e-05	-2.37e-04
97	46	1.01	-0.35	-3.81	3.80e-05	1.48e-04	3.31e-05

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97	63	-0.37	1.21	-4.02	3.07e-05	-5.56e-05	8.77e-05
97	73	0.37	1.27	-4.00	3.31e-05	3.48e-05	-1.69e-04
97	78	2.99e-05	0.01	-5.53	4.92e-05	7.08e-06	0.0
97	79	0.10	0.02	-4.72	4.29e-05	1.65e-05	-6.86e-06
97	81	2.41e-05	0.17	-4.72	4.19e-05	4.32e-06	0.0
97	83	2.51e-05	0.03	-3.90	3.62e-05	3.37e-06	0.0
97	84	2.49e-05	0.02	-4.21	3.64e-05	3.38e-06	0.0
97	86	2.40e-05	0.02	-3.88	3.38e-05	2.63e-06	0.0
98	3	3.01e-04	0.02	-6.72	7.51e-03	8.63e-05	0.0
98	5	0.15	0.04	-5.68	6.22e-03	7.83e-05	3.71e-06
98	9	3.64e-04	0.24	-5.70	6.21e-03	5.11e-05	-3.46e-06
98	15	-1.43	0.56	-3.87	2.98e-03	-9.58e-05	-6.13e-05
98	25	1.49	0.84	-3.03	3.91e-03	5.65e-05	-3.07e-04
98	41	0.58	1.87	-3.48	3.44e-03	-9.40e-05	-2.52e-04
98	47	-1.02	0.41	-3.72	3.14e-03	-6.09e-05	-4.35e-05
98	57	1.06	0.61	-3.12	3.80e-03	4.77e-05	-2.19e-04
98	73	0.41	1.34	-3.44	3.47e-03	-5.96e-05	-1.80e-04
98	78	2.09e-04	0.02	-4.74	5.27e-03	5.77e-05	0.0
98	79	0.10	0.03	-4.04	4.41e-03	5.24e-05	2.52e-06
98	81	2.51e-04	0.16	-4.05	4.40e-03	3.43e-05	-2.26e-06
98	83	1.72e-04	0.03	-3.36	3.54e-03	3.05e-05	0.0
98	84	1.74e-04	0.02	-3.62	3.88e-03	3.13e-05	0.0
98	86	1.66e-04	0.03	-3.35	3.54e-03	2.58e-05	0.0
99	3	1.46e-04	0.02	-6.59	7.36e-03	1.56e-05	0.0
99	5	0.15	0.03	-5.58	6.10e-03	9.15e-06	0.0
99	9	1.67e-04	0.25	-5.58	6.10e-03	3.55e-06	-1.59e-06
99	25	1.49	0.70	-3.23	3.53e-03	-3.61e-05	-2.97e-04
99	31	-0.56	1.63	-3.47	3.27e-03	-4.30e-05	9.88e-05
99	41	0.58	1.82	-3.40	3.35e-03	-6.62e-05	-2.28e-04
99	57	1.06	0.50	-3.25	3.52e-03	-2.58e-05	-2.12e-04
99	63	-0.40	1.17	-3.42	3.33e-03	-3.07e-05	7.05e-05
99	73	0.41	1.30	-3.37	3.39e-03	-4.72e-05	-1.63e-04
99	78	1.02e-04	0.01	-4.64	5.16e-03	9.76e-06	0.0
99	79	0.10	0.02	-3.97	4.32e-03	5.49e-06	0.0
99	81	1.15e-04	0.17	-3.97	4.32e-03	1.76e-06	-1.03e-06
99	83	8.48e-05	0.03	-3.29	3.48e-03	1.55e-06	0.0
99	84	8.56e-05	0.02	-3.55	3.82e-03	1.49e-06	0.0
99	86	8.21e-05	0.02	-3.28	3.48e-03	0.0	0.0
100	3	1.80e-04	0.02	-6.63	-7.24e-03	3.74e-05	1.75e-06
100	5	0.14	0.03	-5.61	-6.00e-03	2.89e-05	-1.97e-05
100	9	1.15e-04	0.25	-5.61	-6.00e-03	2.90e-05	0.0
100	14	1.39	-0.50	-3.16	-3.24e-03	-2.96e-06	-1.64e-04
100	31	-0.49	1.63	-3.49	-3.64e-03	1.13e-05	1.71e-04
100	41	0.47	1.82	-3.42	-3.56e-03	-6.36e-06	-2.60e-04
100	46	0.99	-0.35	-3.20	-3.29e-03	2.03e-06	-1.17e-04
100	63	-0.35	1.17	-3.43	-3.58e-03	1.22e-05	1.22e-04
100	73	0.33	1.30	-3.38	-3.52e-03	0.0	-1.85e-04
100	78	1.28e-04	0.01	-4.67	-5.07e-03	2.63e-05	1.25e-06
100	79	0.09	0.02	-3.99	-4.24e-03	2.06e-05	-1.31e-05
100	81	8.53e-05	0.17	-4.00	-4.25e-03	2.06e-05	0.0
100	83	1.05e-04	0.03	-3.32	-3.42e-03	1.67e-05	0.0
100	84	1.06e-04	0.02	-3.57	-3.75e-03	1.63e-05	0.0
100	86	1.01e-04	0.02	-3.30	-3.42e-03	1.44e-05	0.0
101	3	7.80e-05	0.02	-7.87	5.96e-05	2.65e-05	0.0
101	5	0.14	0.03	-6.64	5.09e-05	1.90e-05	-1.08e-05
101	9	6.18e-05	0.25	-6.64	4.79e-05	1.63e-05	0.0
101	14	1.42	-0.50	-3.71	4.46e-05	0.0	4.65e-05
101	31	-0.52	1.63	-4.11	1.35e-05	-1.58e-05	1.33e-04
101	41	0.52	1.82	-4.03	2.11e-05	-3.61e-05	-2.41e-04
101	46	1.01	-0.35	-3.76	4.04e-05	2.54e-06	3.31e-05
101	63	-0.37	1.17	-4.05	1.82e-05	-9.25e-06	9.44e-05
101	73	0.37	1.30	-3.99	2.37e-05	-2.37e-05	-1.72e-04
101	78	5.53e-05	0.01	-5.54	4.49e-05	1.80e-05	0.0
101	79	0.10	0.02	-4.72	3.91e-05	1.30e-05	-7.24e-06
101	81	4.45e-05	0.17	-4.72	3.71e-05	1.12e-05	0.0
101	83	4.67e-05	0.03	-3.90	3.23e-05	9.14e-06	0.0

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101	84	4.65e-05	0.02	-4.22	3.26e-05	8.87e-06	0.0
101	86	4.48e-05	0.02	-3.89	3.01e-05	7.10e-06	0.0
102	1	3.44e-04	-2.38e-03	-0.88	8.03e-05	4.77e-05	-6.38e-06
102	6	0.02	1.76e-03	-0.69	3.14e-05	2.68e-05	-3.03e-06
102	11	2.55e-04	-0.02	-0.80	4.41e-05	1.85e-05	-2.08e-06
102	23	-0.13	1.86e-03	-0.58	-3.76e-05	-1.23e-04	4.25e-05
102	41	0.05	0.12	-0.57	-2.89e-05	-1.94e-06	-3.49e-05
102	55	-0.09	1.36e-03	-0.58	-2.11e-05	-8.87e-05	3.00e-05
102	73	0.04	0.09	-0.56	-1.49e-05	-2.23e-06	-2.52e-05
102	77	1.76e-04	-1.66e-03	-0.64	5.67e-05	3.02e-05	-4.31e-06
102	79	0.01	9.85e-04	-0.58	2.87e-05	1.38e-05	-2.16e-06
102	82	1.17e-04	-0.01	-0.58	3.25e-05	1.08e-05	-1.44e-06
102	83	-2.04e-04	-4.30e-04	-0.58	3.04e-05	4.99e-06	-1.91e-06
102	85	-2.41e-04	7.15e-05	-0.56	1.99e-05	-2.93e-06	0.0
102	86	-2.41e-04	7.15e-05	-0.56	1.99e-05	-2.93e-06	0.0
103	1	-2.36e-04	-1.84e-03	-0.87	7.35e-05	-7.91e-06	1.12e-06
103	7	-0.02	1.64e-04	-0.79	2.31e-05	-1.66e-05	3.56e-06
103	10	-1.74e-04	0.02	-0.68	1.25e-05	-1.10e-05	1.17e-06
103	23	-0.13	0.02	-0.55	0.0	-7.05e-05	4.34e-05
103	35	-0.05	0.09	-0.55	-5.96e-06	-4.60e-05	2.80e-05
103	41	0.05	0.10	-0.55	0.0	-5.64e-06	-2.97e-05
103	55	-0.09	0.01	-0.55	3.66e-06	-5.32e-05	3.12e-05
103	67	-0.04	0.06	-0.55	0.0	-3.58e-05	2.02e-05
103	73	0.04	0.07	-0.55	4.55e-06	-6.96e-06	-2.08e-05
103	77	-1.80e-04	-1.26e-03	-0.63	5.24e-05	-6.29e-06	0.0
103	80	-0.01	8.21e-05	-0.57	1.88e-05	-1.21e-05	2.44e-06
103	81	-1.73e-04	0.01	-0.57	1.68e-05	-9.90e-06	0.0
103	83	-2.19e-04	9.33e-05	-0.56	2.59e-05	-9.46e-06	0.0
103	84	-1.53e-04	7.89e-04	-0.55	1.24e-05	-9.89e-06	1.10e-06
103	86	-1.96e-04	6.55e-04	-0.55	1.50e-05	-1.02e-05	1.05e-06
104	1	2.36e-04	-1.84e-03	-0.87	7.35e-05	7.91e-06	-1.12e-06
104	5	0.02	1.64e-04	-0.79	2.31e-05	1.66e-05	-3.56e-06
104	10	1.74e-04	0.02	-0.68	1.25e-05	1.10e-05	-1.17e-06
104	25	0.13	0.02	-0.55	0.0	7.05e-05	-4.34e-05
104	35	-0.05	0.10	-0.55	0.0	5.64e-06	2.97e-05
104	41	0.05	0.09	-0.55	-5.96e-06	4.60e-05	-2.80e-05
104	57	0.09	0.01	-0.55	3.66e-06	5.32e-05	-3.12e-05
104	67	-0.04	0.07	-0.55	4.55e-06	6.96e-06	2.08e-05
104	73	0.04	0.06	-0.55	0.0	3.58e-05	-2.02e-05
104	77	1.80e-04	-1.26e-03	-0.63	5.24e-05	6.29e-06	0.0
104	79	0.01	8.21e-05	-0.57	1.88e-05	1.21e-05	-2.44e-06
104	81	1.73e-04	0.01	-0.57	1.68e-05	9.90e-06	0.0
104	83	2.19e-04	9.33e-05	-0.56	2.59e-05	9.46e-06	0.0
104	84	1.53e-04	7.89e-04	-0.55	1.24e-05	9.89e-06	-1.10e-06
104	86	1.96e-04	6.55e-04	-0.55	1.50e-05	1.02e-05	-1.05e-06
105	1	-3.44e-04	-2.38e-03	-0.88	8.03e-05	-4.77e-05	6.38e-06
105	8	-0.02	1.76e-03	-0.69	3.14e-05	-2.68e-05	3.03e-06
105	11	-2.55e-04	-0.02	-0.80	4.41e-05	-1.85e-05	2.08e-06
105	25	0.13	1.86e-03	-0.58	-3.76e-05	1.23e-04	-4.25e-05
105	35	-0.05	0.12	-0.57	-2.89e-05	1.94e-06	3.49e-05
105	57	0.09	1.36e-03	-0.58	-2.11e-05	8.87e-05	-3.00e-05
105	67	-0.04	0.09	-0.56	-1.49e-05	2.23e-06	2.52e-05
105	77	-1.76e-04	-1.66e-03	-0.64	5.67e-05	-3.02e-05	4.31e-06
105	80	-0.01	9.85e-04	-0.58	2.87e-05	-1.38e-05	2.16e-06
105	82	-1.17e-04	-0.01	-0.58	3.25e-05	-1.08e-05	1.44e-06
105	83	2.04e-04	-4.30e-04	-0.58	3.04e-05	-4.99e-06	1.91e-06
105	85	2.41e-04	7.15e-05	-0.56	1.99e-05	2.93e-06	0.0
105	86	2.41e-04	7.15e-05	-0.56	1.99e-05	2.93e-06	0.0
106	1	2.26e-03	1.68e-03	-0.90	-3.44e-06	8.48e-05	1.23e-06
106	5	0.02	1.67e-03	-0.82	2.87e-05	5.49e-05	-5.62e-06
106	11	1.71e-03	-0.02	-0.82	2.92e-05	5.08e-05	-1.70e-06
106	17	0.11	0.04	-0.56	4.13e-06	9.95e-05	4.23e-06
106	39	-0.02	0.11	-0.59	2.56e-05	-3.37e-05	-2.07e-05
106	41	0.04	0.12	-0.58	1.83e-05	1.64e-05	-2.60e-05
106	49	0.08	0.03	-0.56	7.54e-06	7.69e-05	2.44e-06
106	71	-0.02	0.08	-0.58	2.29e-05	-1.81e-05	-1.54e-05

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106	73	0.03	0.08	-0.58	1.77e-05	1.76e-05	-1.91e-05
106	77	1.59e-03	9.60e-04	-0.65	2.09e-06	5.79e-05	0.0
106	79	0.01	9.56e-04	-0.60	2.35e-05	3.80e-05	-4.05e-06
106	82	1.22e-03	-0.01	-0.60	2.38e-05	3.52e-05	-1.43e-06
106	83	1.03e-03	5.38e-04	-0.59	8.30e-06	2.92e-05	-1.18e-06
106	84	1.04e-03	-2.40e-04	-0.57	2.27e-05	2.18e-05	-2.27e-06
106	86	9.35e-04	1.07e-04	-0.57	1.60e-05	2.06e-05	-1.98e-06
107	1	3.55e-04	-4.04e-04	-0.90	4.49e-05	4.31e-06	-2.27e-06
107	5	0.02	-1.52e-03	-0.82	7.65e-05	2.92e-06	-5.47e-06
107	11	3.09e-04	-0.02	-0.82	7.17e-05	0.0	-2.31e-06
107	17	0.11	0.03	-0.57	4.91e-05	3.86e-05	5.25e-06
107	39	-0.03	0.10	-0.58	6.54e-05	-1.81e-05	-2.03e-05
107	44	-0.04	-0.10	-0.55	2.80e-05	-1.17e-05	2.26e-05
107	49	0.08	0.02	-0.57	4.82e-05	2.67e-05	3.26e-06
107	71	-0.02	0.07	-0.57	5.98e-05	-1.37e-05	-1.49e-05
107	76	-0.03	-0.07	-0.55	3.32e-05	-9.10e-06	1.56e-05
107	77	2.58e-04	-5.05e-04	-0.65	3.72e-05	2.79e-06	-1.66e-06
107	79	0.01	-1.25e-03	-0.60	5.82e-05	1.87e-06	-3.80e-06
107	82	2.27e-04	-0.02	-0.60	5.50e-05	0.0	-1.69e-06
107	83	1.65e-04	-6.17e-04	-0.58	3.89e-05	-1.68e-06	-1.63e-06
107	84	2.10e-04	-1.41e-03	-0.57	5.38e-05	-2.18e-06	-1.76e-06
107	86	1.68e-04	-9.98e-04	-0.56	4.60e-05	-2.72e-06	-1.68e-06
108	1	-3.55e-04	-4.04e-04	-0.90	4.49e-05	-4.31e-06	2.27e-06
108	7	-0.02	-1.52e-03	-0.82	7.65e-05	-2.92e-06	5.47e-06
108	11	-3.09e-04	-0.02	-0.82	7.17e-05	0.0	2.31e-06
108	15	-0.11	0.03	-0.57	4.91e-05	-3.86e-05	-5.25e-06
108	29	0.03	0.10	-0.58	6.54e-05	1.81e-05	2.03e-05
108	34	0.04	-0.10	-0.55	2.80e-05	1.17e-05	-2.26e-05
108	47	-0.08	0.02	-0.57	4.82e-05	-2.67e-05	-3.26e-06
108	61	0.02	0.07	-0.57	5.98e-05	1.37e-05	1.49e-05
108	66	0.03	-0.07	-0.55	3.32e-05	9.10e-06	-1.56e-05
108	77	-2.58e-04	-5.05e-04	-0.65	3.72e-05	-2.79e-06	1.66e-06
108	80	-0.01	-1.25e-03	-0.60	5.82e-05	-1.87e-06	3.80e-06
108	82	-2.27e-04	-0.02	-0.60	5.50e-05	0.0	1.69e-06
108	83	-1.65e-04	-6.17e-04	-0.58	3.89e-05	1.68e-06	1.63e-06
108	84	-2.10e-04	-1.41e-03	-0.57	5.38e-05	2.18e-06	1.76e-06
108	86	-1.68e-04	-9.98e-04	-0.56	4.60e-05	2.72e-06	1.68e-06
109	1	-2.26e-03	1.68e-03	-0.90	-3.44e-06	-8.48e-05	-1.23e-06
109	7	-0.02	1.67e-03	-0.82	2.87e-05	-5.49e-05	5.62e-06
109	11	-1.71e-03	-0.02	-0.82	2.92e-05	5.08e-05	1.70e-06
109	15	-0.11	0.04	-0.56	4.13e-06	-9.95e-05	-4.23e-06
109	29	0.02	0.11	-0.59	2.56e-05	3.37e-05	2.07e-05
109	35	-0.04	0.12	-0.58	1.83e-05	-1.64e-05	2.60e-05
109	47	-0.08	0.03	-0.56	7.54e-06	-7.69e-05	-2.44e-06
109	61	0.02	0.08	-0.58	2.29e-05	1.81e-05	1.54e-05
109	67	-0.03	0.08	-0.58	1.77e-05	-1.76e-05	1.91e-05
109	77	-1.59e-03	9.60e-04	-0.65	2.09e-06	-5.79e-05	0.0
109	80	-0.01	9.56e-04	-0.60	2.35e-05	-3.80e-05	4.05e-06
109	82	-1.22e-03	-0.01	-0.60	2.38e-05	-3.52e-05	1.43e-06
109	83	-1.03e-03	5.38e-04	-0.59	8.30e-06	-2.92e-05	1.18e-06
109	84	-1.04e-03	-2.40e-04	-0.57	2.27e-05	-2.18e-05	2.27e-06
109	86	-9.35e-04	1.07e-04	-0.57	1.60e-05	-2.06e-05	1.98e-06
110	5	0.07	0.04	-0.64	-4.26e-04	4.12e-04	-4.13e-06
110	9	2.37e-03	0.14	-0.63	-5.92e-04	1.61e-04	3.24e-05
110	11	7.62e-04	-0.07	-0.67	-2.41e-04	1.37e-04	1.61e-06
110	13	0.80	0.29	-0.32	-7.61e-04	1.03e-03	5.64e-05
110	41	0.08	0.89	-0.26	-1.87e-03	4.02e-04	-1.80e-05
110	44	-0.08	-0.84	-0.66	1.32e-03	-1.90e-04	3.33e-05
110	45	0.57	0.21	-0.36	-6.22e-04	7.64e-04	4.24e-05
110	73	0.06	0.64	-0.32	-1.41e-03	3.17e-04	-1.06e-05
110	76	-0.06	-0.59	-0.60	8.60e-04	-1.05e-04	2.60e-05
110	79	0.05	0.03	-0.47	-3.14e-04	1.54e-04	-1.91e-06
110	81	1.66e-03	0.09	-0.46	-4.24e-04	1.20e-04	2.24e-05
110	82	5.92e-04	-0.04	-0.49	-1.91e-04	1.04e-04	1.91e-06
110	83	8.08e-04	0.02	-0.46	-2.78e-04	1.07e-04	7.82e-06
110	84	7.20e-04	0.02	-0.46	-2.86e-04	1.07e-04	7.94e-06

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110	86	7.27e-04	0.02	-0.46	-2.75e-04	1.06e-04	7.67e-06
111	3	-3.30e-04	0.04	-0.72	-1.11e-03	4.11e-05	2.21e-06
111	7	-0.07	0.04	-0.70	-9.91e-04	-1.45e-05	7.33e-06
111	9	8.32e-04	0.15	-0.69	-1.06e-03	5.09e-05	2.73e-06
111	16	-0.80	-0.22	-0.54	-4.59e-04	-5.96e-04	-6.39e-05
111	41	0.08	0.83	-0.40	-1.30e-03	2.33e-04	-9.21e-05
111	44	-0.08	-0.77	-0.59	-3.44e-06	-1.88e-04	9.46e-05
111	48	-0.57	-0.15	-0.53	-5.14e-04	-4.18e-04	-4.52e-05
111	73	0.06	0.60	-0.42	-1.11e-03	1.72e-04	-6.53e-05
111	76	-0.06	-0.54	-0.56	-1.89e-04	-1.28e-04	6.78e-05
111	78	-2.64e-04	0.03	-0.53	-8.14e-04	2.96e-05	1.62e-06
111	80	-0.05	0.03	-0.52	-7.32e-04	-7.47e-06	5.04e-06
111	81	5.11e-04	0.10	-0.51	-7.80e-04	3.62e-05	1.98e-06
111	83	-2.69e-04	0.03	-0.50	-6.56e-04	2.35e-05	1.37e-06
111	84	-3.33e-04	0.03	-0.50	-6.82e-04	2.34e-05	1.30e-06
111	85	-3.34e-04	0.03	-0.49	-6.50e-04	2.22e-05	1.25e-06
111	86	-3.34e-04	0.03	-0.49	-6.50e-04	2.22e-05	1.25e-06
112	3	-1.05e-04	0.04	-0.74	-1.23e-03	1.32e-05	1.25e-06
112	7	-0.07	0.04	-0.72	-1.09e-03	-3.55e-05	7.06e-06
112	9	3.07e-04	0.15	-0.71	-1.15e-03	1.57e-05	2.52e-06
112	16	-0.80	-0.19	-0.52	-5.91e-04	-5.60e-04	-6.40e-05
112	41	0.08	0.77	-0.45	-1.18e-03	9.53e-05	-9.61e-05
112	44	-0.08	-0.71	-0.56	-2.42e-04	-7.97e-05	9.74e-05
112	48	-0.57	-0.13	-0.52	-6.26e-04	-3.97e-04	-4.54e-05
112	73	0.06	0.56	-0.46	-1.05e-03	7.02e-05	-6.83e-05
112	76	-0.06	-0.50	-0.55	-3.77e-04	-5.46e-05	6.96e-05
112	78	-8.16e-05	0.03	-0.54	-8.98e-04	9.68e-06	0.0
112	80	-0.05	0.03	-0.53	-8.08e-04	-2.28e-05	4.77e-06
112	81	1.93e-04	0.10	-0.52	-8.42e-04	1.13e-05	1.75e-06
112	83	-7.57e-05	0.03	-0.51	-7.20e-04	8.12e-06	0.0
112	84	-9.88e-05	0.03	-0.51	-7.49e-04	8.08e-06	0.0
112	86	-9.77e-05	0.03	-0.51	-7.13e-04	7.77e-06	0.0
113	3	1.05e-04	0.04	-0.74	-1.23e-03	-1.32e-05	-1.25e-06
113	5	0.07	0.04	-0.72	-1.09e-03	3.55e-05	-7.06e-06
113	9	-3.07e-04	0.15	-0.71	-1.15e-03	-1.57e-05	-2.52e-06
113	18	0.80	-0.19	-0.52	-5.91e-04	5.60e-04	6.40e-05
113	34	0.08	-0.71	-0.56	-2.42e-04	7.97e-05	-9.74e-05
113	35	-0.08	0.77	-0.45	-1.18e-03	-9.53e-05	9.61e-05
113	50	0.57	-0.13	-0.52	-6.26e-04	3.97e-04	4.54e-05
113	66	0.06	-0.50	-0.55	-3.77e-04	5.46e-05	-6.96e-05
113	67	-0.06	0.56	-0.46	-1.05e-03	-7.02e-05	6.83e-05
113	78	8.16e-05	0.03	-0.54	-8.98e-04	-9.68e-06	0.0
113	79	0.05	0.03	-0.53	-8.08e-04	2.28e-05	-4.77e-06
113	81	-1.93e-04	0.10	-0.52	-8.42e-04	-1.13e-05	-1.75e-06
113	83	7.57e-05	0.03	-0.51	-7.20e-04	-8.12e-06	0.0
113	84	9.88e-05	0.03	-0.51	-7.49e-04	-8.08e-06	0.0
113	86	9.77e-05	0.03	-0.51	-7.13e-04	-7.77e-06	0.0
114	3	3.30e-04	0.04	-0.72	-1.11e-03	-4.11e-05	-2.21e-06
114	5	0.07	0.04	-0.70	-9.91e-04	1.45e-05	-7.33e-06
114	9	-8.32e-04	0.15	-0.69	-1.06e-03	-5.09e-05	-2.73e-06
114	16	0.80	-0.22	-0.54	-4.59e-04	5.96e-04	6.39e-05
114	34	0.08	-0.77	-0.59	-3.44e-06	1.88e-04	-9.46e-05
114	35	-0.08	0.83	-0.40	-1.30e-03	-2.33e-04	9.21e-05
114	50	0.57	-0.15	-0.53	-5.14e-04	4.18e-04	4.52e-05
114	66	0.06	-0.54	-0.56	-1.89e-04	1.28e-04	-6.78e-05
114	67	-0.06	0.60	-0.42	-1.11e-03	-1.72e-04	6.53e-05
114	78	2.64e-04	0.03	-0.53	-8.14e-04	-2.96e-05	-1.62e-06
114	79	0.05	0.03	-0.52	-7.32e-04	7.47e-06	-5.04e-06
114	81	-5.11e-04	0.10	-0.51	-7.80e-04	-3.62e-05	-1.98e-06
114	83	2.69e-04	0.03	-0.50	-6.56e-04	-2.35e-05	-1.37e-06
114	84	3.33e-04	0.03	-0.50	-6.82e-04	-2.34e-05	-1.30e-06
114	85	3.34e-04	0.03	-0.49	-6.50e-04	-2.22e-05	-1.25e-06
114	86	3.34e-04	0.03	-0.49	-6.50e-04	-2.22e-05	-1.25e-06
115	7	-0.07	0.04	-0.64	-4.26e-04	-2.12e-04	4.13e-06
115	9	-2.37e-03	0.14	-0.63	-5.92e-04	-1.61e-04	-3.24e-05
115	11	-7.62e-04	-0.07	-0.67	-2.41e-04	-1.37e-04	-1.61e-06

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115	19	-0.80	0.29	-0.32	-7.61e-04	-1.03e-03	-5.64e-05
115	34	0.08	-0.84	-0.66	1.32e-03	1.90e-04	-3.33e-05
115	35	-0.08	0.89	-0.26	-1.87e-03	-4.02e-04	1.80e-05
115	51	-0.57	0.21	-0.36	-6.22e-04	-7.64e-04	-4.24e-05
115	66	0.06	-0.59	-0.60	8.60e-04	1.05e-04	-2.60e-05
115	67	-0.06	0.64	-0.32	-1.41e-03	-3.17e-04	1.06e-05
115	80	-0.05	0.03	-0.47	-3.14e-04	-1.54e-04	1.91e-06
115	81	-1.66e-03	0.09	-0.46	-4.24e-04	-1.20e-04	-2.24e-05
115	82	-5.92e-04	-0.04	-0.49	-1.91e-04	-1.04e-04	-1.91e-06
115	83	-8.08e-04	0.02	-0.46	-2.78e-04	-1.07e-04	-7.82e-06
115	84	-7.20e-04	0.02	-0.46	-2.86e-04	-1.07e-04	-7.94e-06
115	86	-7.27e-04	0.02	-0.46	-2.75e-04	-1.06e-04	-7.67e-06
116	1	-3.84e-04	0.04	-0.78	1.05e-04	2.11e-04	8.89e-06
116	7	-0.08	0.02	-0.76	1.28e-04	1.21e-04	9.67e-06
116	9	-4.88e-04	0.14	-0.74	1.07e-04	2.13e-04	8.87e-06
116	16	-0.82	-0.24	-0.63	1.39e-04	-1.02e-03	-5.24e-05
116	20	-0.78	-0.30	-0.63	1.44e-04	-1.00e-03	-1.41e-05
116	41	0.14	0.88	-0.42	-3.70e-05	5.16e-04	-2.68e-05
116	48	-0.59	-0.16	-0.60	1.25e-04	-6.84e-04	-3.62e-05
116	52	-0.56	-0.20	-0.60	1.28e-04	-6.72e-04	-8.79e-06
116	73	0.10	0.63	-0.45	0.0	4.10e-04	-1.79e-05
116	77	-2.93e-04	0.03	-0.57	8.26e-05	1.55e-04	6.13e-06
116	80	-0.05	0.02	-0.56	9.79e-05	9.45e-05	6.65e-06
116	81	-3.63e-04	0.09	-0.54	8.37e-05	1.56e-04	6.12e-06
116	83	-1.45e-04	0.02	-0.53	8.44e-05	1.48e-04	4.62e-06
116	84	-2.22e-04	0.02	-0.53	9.41e-05	1.48e-04	4.48e-06
116	86	-1.53e-04	0.02	-0.53	8.91e-05	1.46e-04	4.28e-06
117	1	-8.73e-04	0.05	-0.93	3.27e-04	3.70e-05	5.38e-06
117	7	-0.08	0.03	-0.89	3.57e-04	-5.63e-05	9.18e-06
117	9	-1.08e-03	0.15	-0.88	2.93e-04	3.51e-05	7.25e-06
117	19	-0.82	0.21	-0.63	1.31e-04	-9.91e-04	-6.10e-05
117	20	-0.78	-0.25	-0.64	4.07e-04	-9.53e-04	-1.75e-05
117	41	0.14	0.84	-0.59	-2.27e-04	2.17e-04	-3.49e-05
117	51	-0.59	0.16	-0.62	1.65e-04	-7.01e-04	-4.28e-05
117	52	-0.56	-0.17	-0.63	3.61e-04	-6.74e-04	-1.18e-05
117	73	0.10	0.60	-0.59	-9.10e-05	1.60e-04	-2.42e-05
117	77	-6.56e-04	0.03	-0.68	2.49e-04	2.66e-05	3.83e-06
117	80	-0.05	0.02	-0.65	2.69e-04	-3.56e-05	6.36e-06
117	81	-7.92e-04	0.10	-0.65	2.26e-04	2.53e-05	5.08e-06
117	83	-5.71e-04	0.03	-0.62	2.42e-04	1.96e-05	2.52e-06
117	84	-6.24e-04	0.03	-0.62	2.58e-04	1.99e-05	2.43e-06
117	86	-5.79e-04	0.03	-0.61	2.48e-04	1.85e-05	2.24e-06
118	1	-3.37e-04	0.05	-0.96	3.65e-04	9.24e-06	1.03e-06
118	7	-0.08	0.04	-0.91	3.97e-04	-7.75e-05	5.45e-06
118	9	-3.65e-04	0.15	-0.91	3.27e-04	9.56e-06	1.36e-06
118	16	-0.82	-0.20	-0.63	4.24e-04	-9.85e-04	-6.28e-05
118	39	-0.31	0.76	-0.63	-2.02e-04	-3.49e-04	-8.54e-05
118	41	0.14	0.78	-0.63	-2.11e-04	1.96e-04	-3.72e-05
118	48	-0.59	-0.13	-0.62	3.81e-04	-7.01e-04	-4.47e-05
118	71	-0.22	0.55	-0.63	-6.48e-05	-2.47e-04	-6.08e-05
118	73	0.10	0.56	-0.63	-7.10e-05	1.41e-04	-2.64e-05
118	77	-2.49e-04	0.03	-0.70	2.78e-04	6.71e-06	0.0
118	80	-0.05	0.03	-0.66	2.99e-04	-5.11e-05	3.65e-06
118	81	-2.68e-04	0.10	-0.66	2.52e-04	6.92e-06	0.0
118	83	-2.10e-04	0.03	-0.63	2.70e-04	5.13e-06	0.0
118	84	-2.28e-04	0.03	-0.64	2.88e-04	5.12e-06	0.0
118	86	-2.11e-04	0.03	-0.62	2.77e-04	4.84e-06	0.0
119	1	3.37e-04	0.05	-0.96	3.65e-04	-9.24e-06	-1.03e-06
119	5	0.08	0.04	-0.91	3.97e-04	7.75e-05	-5.45e-06
119	9	3.65e-04	0.15	-0.91	3.27e-04	-9.56e-06	-1.36e-06
119	18	0.82	-0.20	-0.63	4.24e-04	9.85e-04	6.28e-05
119	29	0.31	0.76	-0.63	-2.02e-04	3.49e-04	8.54e-05
119	35	-0.14	0.78	-0.63	-2.11e-04	-1.96e-04	3.72e-05
119	50	0.59	-0.13	-0.62	3.81e-04	7.01e-04	4.47e-05
119	61	0.22	0.55	-0.63	-6.48e-05	2.47e-04	6.08e-05
119	67	-0.10	0.56	-0.63	-7.10e-05	-1.41e-04	2.64e-05

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119	77	2.49e-04	0.03	-0.70	2.78e-04	-6.71e-06	0.0
119	79	0.05	0.03	-0.66	2.99e-04	5.11e-05	-3.65e-06
119	81	2.68e-04	0.10	-0.66	2.52e-04	-6.92e-06	0.0
119	83	2.10e-04	0.03	-0.63	2.70e-04	-5.13e-06	0.0
119	84	2.28e-04	0.03	-0.64	2.88e-04	-5.12e-06	0.0
119	86	2.11e-04	0.03	-0.62	2.77e-04	-4.84e-06	0.0
120	1	8.73e-04	0.05	-0.93	3.27e-04	-3.70e-05	-5.38e-06
120	5	0.08	0.03	-0.89	3.57e-04	5.63e-05	-9.18e-06
120	9	1.08e-03	0.15	-0.88	2.93e-04	-3.51e-05	-7.25e-06
120	13	0.82	0.21	-0.63	1.31e-04	9.91e-04	6.10e-05
120	14	0.78	-0.25	-0.64	4.07e-04	9.53e-04	1.75e-05
120	35	-0.14	0.84	-0.59	-2.27e-04	-2.17e-04	3.49e-05
120	45	0.59	0.16	-0.62	1.65e-04	7.01e-04	4.28e-05
120	46	0.56	-0.17	-0.63	3.61e-04	6.74e-04	1.18e-05
120	67	-0.10	0.60	-0.59	-9.10e-05	-1.60e-04	2.42e-05
120	77	6.56e-04	0.03	-0.68	2.49e-04	-2.66e-05	-3.83e-06
120	79	0.05	0.02	-0.65	2.69e-04	3.56e-05	-6.36e-06
120	81	7.92e-04	0.10	-0.65	2.26e-04	-2.53e-05	-5.08e-06
120	83	5.71e-04	0.03	-0.62	2.42e-04	-1.96e-05	-2.52e-06
120	84	6.24e-04	0.03	-0.62	2.58e-04	-1.99e-05	-2.43e-06
120	86	5.79e-04	0.03	-0.61	2.48e-04	-1.85e-05	-2.24e-06
121	1	3.84e-04	0.04	-0.78	1.05e-04	-2.11e-04	-8.89e-06
121	5	0.08	0.02	-0.76	1.28e-04	-1.21e-04	-9.67e-06
121	9	4.88e-04	0.14	-0.74	1.07e-04	-2.13e-04	-8.87e-06
121	14	0.78	-0.30	-0.63	1.44e-04	1.00e-03	1.41e-05
121	18	0.82	-0.24	-0.63	1.39e-04	1.02e-03	5.24e-05
121	35	-0.14	0.88	-0.42	-3.70e-05	-5.16e-04	2.68e-05
121	46	0.56	-0.20	-0.60	1.28e-04	6.72e-04	8.79e-06
121	50	0.59	-0.16	-0.60	1.25e-04	6.84e-04	3.62e-05
121	67	-0.10	0.63	-0.45	0.0	-4.10e-04	1.79e-05
121	77	2.93e-04	0.03	-0.57	8.26e-05	-1.55e-04	-6.13e-06
121	79	0.05	0.02	-0.56	9.79e-05	-9.45e-05	-6.65e-06
121	81	3.63e-04	0.09	-0.54	8.37e-05	-1.56e-04	-6.12e-06
121	83	1.45e-04	0.02	-0.53	8.44e-05	-1.48e-04	-4.62e-06
121	84	2.22e-04	0.02	-0.53	9.41e-05	-1.48e-04	-4.48e-06
121	86	1.53e-04	0.02	-0.53	8.91e-05	-1.46e-04	-4.28e-06
122	1	2.59e-03	0.04	-0.81	-1.52e-05	2.20e-04	-1.92e-06
122	5	0.09	0.04	-0.77	-2.00e-05	2.77e-04	-5.62e-05
122	9	2.06e-03	0.14	-0.77	-2.33e-04	2.19e-04	1.83e-05
122	13	0.84	0.29	-0.44	-3.68e-04	1.22e-03	6.55e-05
122	20	-0.80	-0.31	-0.65	4.65e-04	-9.16e-04	-2.73e-05
122	41	0.17	0.92	-0.47	-2.17e-03	5.03e-04	-8.29e-05
122	45	0.60	0.22	-0.47	-2.66e-04	9.12e-04	4.63e-05
122	52	-0.57	-0.21	-0.62	3.28e-04	-6.11e-04	-1.99e-05
122	73	0.12	0.66	-0.49	-1.55e-03	4.01e-04	-5.95e-05
122	77	1.85e-03	0.03	-0.59	-1.00e-05	1.55e-04	-1.38e-06
122	79	0.06	0.03	-0.56	-1.33e-05	1.93e-04	-3.76e-05
122	81	1.49e-03	0.10	-0.57	-1.55e-04	1.55e-04	1.21e-05
122	83	2.03e-03	0.03	-0.55	-1.61e-05	1.48e-04	-1.46e-06
122	85	2.06e-03	0.02	-0.54	-1.39e-05	1.46e-04	-1.42e-06
122	86	2.06e-03	0.02	-0.54	-1.39e-05	1.46e-04	-1.42e-06
123	1	-2.59e-03	0.04	-0.81	-1.52e-05	-2.20e-04	1.92e-06
123	7	-0.09	0.04	-0.77	-2.00e-05	-2.77e-04	5.62e-05
123	9	-2.06e-03	0.14	-0.77	-2.33e-04	-2.19e-04	-1.83e-05
123	14	0.80	-0.31	-0.65	4.65e-04	9.16e-04	2.73e-05
123	19	-0.84	0.29	-0.44	-3.68e-04	-1.22e-03	-6.55e-05
123	35	-0.17	0.92	-0.47	-2.17e-03	-5.03e-04	8.29e-05
123	46	0.57	-0.21	-0.62	3.28e-04	6.11e-04	1.99e-05
123	51	-0.60	0.22	-0.47	-2.66e-04	-9.12e-04	-4.63e-05
123	67	-0.12	0.66	-0.49	-1.55e-03	-4.01e-04	5.95e-05
123	77	-1.85e-03	0.03	-0.59	-1.00e-05	-1.55e-04	1.38e-06
123	80	-0.06	0.03	-0.56	-1.33e-05	-1.93e-04	3.76e-05
123	81	-1.49e-03	0.10	-0.57	-1.55e-04	-1.55e-04	-1.21e-05
123	83	-2.03e-03	0.03	-0.55	-1.61e-05	-1.48e-04	1.46e-06
123	85	-2.06e-03	0.02	-0.54	-1.39e-05	-1.46e-04	1.42e-06
123	86	-2.06e-03	0.02	-0.54	-1.39e-05	-1.46e-04	1.42e-06

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124	3	3.16e-03	0.04	-0.88	-1.82e-04	-1.79e-04	-2.03e-05
124	5	0.08	0.03	-0.85	-1.63e-04	-1.04e-04	-2.32e-05
124	9	2.11e-03	0.15	-0.84	-1.72e-04	-1.87e-04	-1.80e-05
124	18	0.81	-0.23	-0.68	-6.71e-05	9.17e-04	8.22e-05
124	35	-0.11	0.89	-0.55	-1.44e-04	-4.56e-04	3.21e-05
124	50	0.58	-0.16	-0.66	-7.76e-05	6.18e-04	5.45e-05
124	67	-0.08	0.64	-0.56	-1.32e-04	-3.61e-04	1.89e-05
124	78	2.32e-03	0.03	-0.65	-1.31e-04	-1.32e-04	-1.50e-05
124	79	0.05	0.02	-0.63	-1.18e-04	-8.24e-05	-1.69e-05
124	81	1.62e-03	0.10	-0.62	-1.24e-04	-1.38e-04	-1.35e-05
124	83	1.80e-03	0.03	-0.59	-1.08e-04	-1.26e-04	-1.43e-05
124	84	1.94e-03	0.03	-0.60	-1.08e-04	-1.26e-04	-1.42e-05
124	86	1.84e-03	0.03	-0.59	-1.04e-04	-1.25e-04	-1.41e-05
125	3	1.44e-03	0.06	-1.15	-3.15e-04	-3.87e-05	-3.72e-06
125	5	0.08	0.05	-1.08	-2.79e-04	3.58e-05	-6.19e-06
125	9	5.97e-04	0.17	-1.07	-2.90e-04	-4.25e-05	-5.26e-06
125	18	0.81	-0.20	-0.77	-1.48e-04	7.95e-04	8.24e-05
125	30	0.15	-0.74	-0.79	-6.66e-05	2.70e-04	-6.78e-05
125	35	-0.11	0.84	-0.69	-2.73e-04	-2.80e-04	4.12e-05
125	50	0.58	-0.13	-0.76	-1.55e-04	5.61e-04	5.83e-05
125	62	0.11	-0.52	-0.77	-9.66e-05	1.86e-04	-4.88e-05
125	67	-0.08	0.61	-0.70	-2.44e-04	-2.05e-04	2.89e-05
125	78	1.05e-03	0.04	-0.84	-2.26e-04	-2.79e-05	-2.64e-06
125	79	0.05	0.04	-0.79	-2.02e-04	2.18e-05	-4.29e-06
125	81	4.94e-04	0.11	-0.79	-2.10e-04	-3.04e-05	-3.67e-06
125	83	7.80e-04	0.04	-0.75	-1.79e-04	-2.14e-05	-1.69e-06
125	84	8.64e-04	0.04	-0.76	-1.80e-04	-2.14e-05	-1.74e-06
125	86	8.09e-04	0.04	-0.74	-1.71e-04	-2.01e-05	-1.56e-06
126	3	4.48e-04	0.06	-1.18	-3.25e-04	-1.10e-05	-1.06e-06
126	5	0.08	0.06	-1.11	-2.86e-04	5.66e-05	-4.27e-06
126	9	1.97e-04	0.17	-1.10	-2.94e-04	-1.26e-05	-1.47e-06
126	18	0.81	-0.18	-0.77	-1.55e-04	7.70e-04	8.26e-05
126	34	0.11	-0.70	-0.79	-1.00e-04	1.35e-04	-4.71e-05
126	35	-0.11	0.78	-0.72	-2.46e-04	-1.47e-04	4.61e-05
126	50	0.58	-0.12	-0.77	-1.60e-04	5.47e-04	5.87e-05
126	66	0.08	-0.49	-0.78	-1.21e-04	9.41e-05	-3.37e-05
126	67	-0.08	0.57	-0.73	-2.25e-04	-1.07e-04	3.27e-05
126	78	3.31e-04	0.05	-0.86	-2.33e-04	-8.06e-06	0.0
126	79	0.05	0.04	-0.81	-2.07e-04	3.70e-05	-2.91e-06
126	81	1.64e-04	0.12	-0.81	-2.12e-04	-9.11e-06	-1.05e-06
126	83	2.55e-04	0.04	-0.76	-1.82e-04	-6.57e-06	0.0
126	84	2.81e-04	0.04	-0.78	-1.83e-04	-6.55e-06	0.0
126	86	2.66e-04	0.04	-0.76	-1.73e-04	-6.26e-06	0.0
127	3	-4.48e-04	0.06	-1.18	-3.25e-04	1.10e-05	1.06e-06
127	7	-0.08	0.06	-1.11	-2.86e-04	-5.66e-05	4.27e-06
127	9	-1.97e-04	0.17	-1.10	-2.94e-04	1.26e-05	1.47e-06
127	16	-0.81	-0.18	-0.77	-1.55e-04	-7.70e-04	-8.26e-05
127	41	0.11	0.78	-0.72	-2.46e-04	1.47e-04	-4.61e-05
127	44	-0.11	-0.70	-0.79	-1.00e-04	-1.35e-04	4.71e-05
127	48	-0.58	-0.12	-0.77	-1.60e-04	-5.47e-04	-5.87e-05
127	73	0.08	0.57	-0.73	-2.25e-04	1.07e-04	-3.27e-05
127	76	-0.08	-0.49	-0.78	-1.21e-04	-9.41e-05	3.37e-05
127	78	-3.31e-04	0.05	-0.86	-2.33e-04	8.06e-06	0.0
127	80	-0.05	0.04	-0.81	-2.07e-04	-3.70e-05	2.91e-06
127	81	-1.64e-04	0.12	-0.81	-2.12e-04	9.11e-06	1.05e-06
127	83	-2.55e-04	0.04	-0.76	-1.82e-04	6.57e-06	0.0
127	84	-2.81e-04	0.04	-0.78	-1.83e-04	6.55e-06	0.0
127	86	-2.66e-04	0.04	-0.76	-1.73e-04	6.26e-06	0.0
128	3	-1.44e-03	0.06	-1.15	-3.15e-04	3.87e-05	3.72e-06
128	7	-0.08	0.05	-1.08	-2.79e-04	-3.58e-05	6.19e-06
128	9	-5.97e-04	0.17	-1.07	-2.90e-04	4.25e-05	5.26e-06
128	16	-0.81	-0.20	-0.77	-1.48e-04	-7.95e-04	-8.24e-05
128	40	-0.15	-0.74	-0.79	-6.66e-05	-2.70e-04	6.78e-05
128	41	0.11	0.84	-0.69	-2.73e-04	2.80e-04	-4.12e-05
128	48	-0.58	-0.13	-0.76	-1.55e-04	-5.61e-04	-5.83e-05
128	72	-0.11	-0.52	-0.77	-9.66e-05	-1.86e-04	4.88e-05

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128	73	0.08	0.61	-0.70	-2.44e-04	2.05e-04	-2.89e-05
128	78	-1.05e-03	0.04	-0.84	-2.26e-04	2.79e-05	2.64e-06
128	80	-0.05	0.04	-0.79	-2.02e-04	-2.18e-05	4.29e-06
128	81	-4.94e-04	0.11	-0.79	-2.10e-04	3.04e-05	3.67e-06
128	83	-7.80e-04	0.04	-0.75	-1.79e-04	2.14e-05	1.69e-06
128	84	-8.64e-04	0.04	-0.76	-1.80e-04	2.14e-05	1.74e-06
128	86	-8.09e-04	0.04	-0.74	-1.71e-04	2.01e-05	1.56e-06
129	3	-3.16e-03	0.04	-0.88	-1.82e-04	1.79e-04	2.03e-05
129	7	-0.08	0.03	-0.85	-1.63e-04	1.04e-04	2.32e-05
129	9	-2.11e-03	0.15	-0.84	-1.72e-04	1.87e-04	1.80e-05
129	16	-0.81	-0.23	-0.68	-6.71e-05	-9.17e-04	-8.22e-05
129	41	0.11	0.89	-0.55	-1.44e-04	4.56e-04	-3.21e-05
129	48	-0.58	-0.16	-0.66	-7.76e-05	-6.18e-04	-5.45e-05
129	73	0.08	0.64	-0.56	-1.32e-04	3.61e-04	-1.89e-05
129	78	-2.32e-03	0.03	-0.65	-1.31e-04	1.32e-04	1.50e-05
129	80	-0.05	0.02	-0.63	-1.18e-04	8.24e-05	1.69e-05
129	81	-1.62e-03	0.10	-0.62	-1.24e-04	1.38e-04	1.35e-05
129	83	-1.80e-03	0.03	-0.59	-1.08e-04	1.26e-04	1.43e-05
129	84	-1.94e-03	0.03	-0.60	-1.08e-04	1.26e-04	1.42e-05
129	86	-1.84e-03	0.03	-0.59	-1.04e-04	1.25e-04	1.41e-05
130	5	0.07	0.04	-0.61	-3.91e-04	2.13e-04	1.17e-05
130	9	4.05e-03	0.14	-0.58	-5.56e-04	1.60e-04	1.78e-05
130	11	1.92e-03	-0.07	-0.65	-2.06e-04	1.38e-04	2.19e-05
130	13	0.80	0.29	-0.26	-7.34e-04	1.03e-03	-3.76e-05
130	41	0.08	0.89	-0.12	-1.85e-03	4.01e-04	-1.36e-04
130	44	-0.07	-0.84	-0.76	1.34e-03	-1.89e-04	1.59e-04
130	45	0.57	0.21	-0.32	-5.95e-04	7.62e-04	-2.35e-05
130	73	0.05	0.64	-0.21	-1.39e-03	3.16e-04	-9.35e-05
130	76	-0.05	-0.59	-0.67	8.87e-04	-1.05e-04	1.17e-04
130	79	0.05	0.03	-0.45	-2.88e-04	1.54e-04	9.08e-06
130	81	2.87e-03	0.09	-0.43	-3.98e-04	1.19e-04	1.31e-05
130	82	1.45e-03	-0.04	-0.48	-1.65e-04	1.05e-04	1.58e-05
130	83	1.61e-03	0.02	-0.44	-2.54e-04	1.07e-04	1.20e-05
130	84	1.54e-03	0.02	-0.44	-2.61e-04	1.07e-04	1.24e-05
130	86	1.50e-03	0.02	-0.44	-2.51e-04	1.06e-04	1.16e-05
131	1	9.34e-04	0.05	-0.65	-9.66e-04	4.33e-05	1.79e-05
131	5	0.07	0.05	-0.63	-9.44e-04	8.86e-05	6.86e-06
131	9	1.93e-03	0.15	-0.62	-1.01e-03	5.20e-05	2.01e-05
131	13	0.80	0.27	-0.39	-7.36e-04	6.40e-04	-2.87e-05
131	41	0.07	0.83	-0.30	-1.26e-03	2.32e-04	-1.32e-04
131	44	-0.07	-0.78	-0.59	3.51e-05	-1.86e-04	1.53e-04
131	45	0.57	0.20	-0.41	-7.01e-04	4.63e-04	-1.75e-05
131	73	0.05	0.60	-0.35	-1.08e-03	1.72e-04	-9.14e-05
131	76	-0.05	-0.54	-0.55	-1.51e-04	-1.26e-04	1.12e-04
131	77	6.41e-04	0.03	-0.48	-7.11e-04	3.11e-05	1.31e-05
131	79	0.05	0.03	-0.46	-6.96e-04	6.13e-05	5.73e-06
131	81	1.30e-03	0.10	-0.45	-7.39e-04	3.69e-05	1.46e-05
131	83	3.16e-04	0.03	-0.45	-6.19e-04	2.41e-05	1.08e-05
131	86	2.31e-04	0.03	-0.45	-6.13e-04	2.28e-05	1.04e-05
132	1	1.33e-04	0.05	-0.66	-1.07e-03	1.36e-05	1.97e-06
132	6	0.07	0.04	-0.54	-8.78e-04	5.75e-05	-7.70e-06
132	9	5.43e-04	0.15	-0.63	-1.09e-03	1.57e-05	3.44e-06
132	16	-0.80	-0.19	-0.48	-5.39e-04	-5.60e-04	4.37e-05
132	41	0.07	0.77	-0.36	-1.15e-03	9.37e-05	-1.35e-04
132	44	-0.07	-0.71	-0.55	-2.10e-04	-7.81e-05	1.37e-04
132	48	-0.57	-0.13	-0.48	-5.80e-04	-3.97e-04	3.13e-05
132	73	0.05	0.56	-0.39	-1.01e-03	6.90e-05	-9.62e-05
132	76	-0.05	-0.50	-0.52	-3.45e-04	-5.35e-05	9.77e-05
132	77	8.19e-05	0.04	-0.49	-7.90e-04	9.95e-06	1.38e-06
132	79	0.05	0.03	-0.47	-7.71e-04	4.05e-05	-4.96e-06
132	81	3.55e-04	0.10	-0.46	-8.03e-04	1.14e-05	2.36e-06
132	83	-1.58e-05	0.03	-0.46	-6.86e-04	8.12e-06	0.0
132	85	-4.46e-05	0.03	-0.46	-6.79e-04	7.78e-06	0.0
132	86	-4.46e-05	0.03	-0.46	-6.79e-04	7.78e-06	0.0
133	1	-1.33e-04	0.05	-0.66	-1.07e-03	-1.36e-05	-1.97e-06
133	8	-0.07	0.04	-0.54	-8.78e-04	-5.75e-05	7.70e-06

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133	9	-5.43e-04	0.15	-0.63	-1.09e-03	-1.57e-05	-3.44e-06
133	18	0.80	-0.19	-0.48	-5.39e-04	5.60e-04	-4.37e-05
133	34	0.07	-0.71	-0.55	-2.10e-04	7.81e-05	-1.37e-04
133	35	-0.07	0.77	-0.36	-1.15e-03	-9.37e-05	1.35e-04
133	50	0.57	-0.13	-0.48	-5.80e-04	3.97e-04	-3.13e-05
133	66	0.05	-0.50	-0.52	-3.45e-04	5.35e-05	-9.77e-05
133	67	-0.05	0.56	-0.39	-1.01e-03	-6.90e-05	9.62e-05
133	77	-8.19e-05	0.04	-0.49	-7.90e-04	-9.95e-06	-1.38e-06
133	80	-0.05	0.03	-0.47	-7.71e-04	-4.05e-05	4.96e-06
133	81	-3.55e-04	0.10	-0.46	-8.03e-04	-1.14e-05	-2.36e-06
133	83	1.58e-05	0.03	-0.46	-6.86e-04	-8.12e-06	0.0
133	85	4.46e-05	0.03	-0.46	-6.79e-04	-7.78e-06	0.0
133	86	4.46e-05	0.03	-0.46	-6.79e-04	-7.78e-06	0.0
134	1	-9.34e-04	0.05	-0.65	-9.66e-04	-4.33e-05	-1.79e-05
134	7	-0.07	0.05	-0.63	-9.44e-04	-8.86e-05	-6.86e-06
134	9	-1.93e-03	0.15	-0.62	-1.01e-03	-5.20e-05	-2.01e-05
134	19	-0.80	0.27	-0.39	-7.36e-04	-6.40e-04	2.87e-05
134	34	0.07	-0.78	-0.59	3.51e-05	1.86e-04	-1.53e-04
134	35	-0.07	0.83	-0.30	-1.26e-03	-2.32e-04	1.32e-04
134	51	-0.57	0.20	-0.41	-7.01e-04	-4.63e-04	1.75e-05
134	66	0.05	-0.54	-0.55	-1.51e-04	1.26e-04	-1.12e-04
134	67	-0.05	0.60	-0.35	-1.08e-03	-1.72e-04	9.14e-05
134	77	-6.41e-04	0.03	-0.48	-7.11e-04	-3.11e-05	-1.31e-05
134	80	-0.05	0.03	-0.46	-6.96e-04	-6.13e-05	-5.73e-06
134	81	-1.30e-03	0.10	-0.45	-7.39e-04	-3.69e-05	-1.46e-05
134	83	-3.16e-04	0.03	-0.45	-6.19e-04	-2.41e-05	-1.08e-05
134	86	-2.31e-04	0.03	-0.45	-6.13e-04	-2.28e-05	-1.04e-05
135	7	-0.07	0.04	-0.61	-3.91e-04	-2.13e-04	-1.17e-05
135	9	-4.05e-03	0.14	-0.58	-5.56e-04	-1.60e-04	-1.78e-05
135	11	-1.92e-03	-0.07	-0.65	-2.06e-04	-1.38e-04	-2.19e-05
135	19	-0.80	0.29	-0.26	-7.34e-04	-1.03e-03	3.76e-05
135	34	0.07	-0.84	-0.76	1.34e-03	1.89e-04	-1.59e-04
135	35	-0.08	0.89	-0.12	-1.85e-03	-4.01e-04	1.36e-04
135	51	-0.57	0.21	-0.32	-5.95e-04	-7.62e-04	2.35e-05
135	66	0.05	-0.59	-0.67	8.87e-04	1.05e-04	-1.17e-04
135	67	-0.05	0.64	-0.21	-1.39e-03	-3.16e-04	9.35e-05
135	80	-0.05	0.03	-0.45	-2.88e-04	-1.54e-04	-9.08e-06
135	81	-2.87e-03	0.09	-0.43	-3.98e-04	-1.19e-04	-1.31e-05
135	82	-1.45e-03	-0.04	-0.48	-1.65e-04	-1.05e-04	-1.58e-05
135	83	-1.61e-03	0.02	-0.44	-2.54e-04	-1.07e-04	-1.20e-05
135	84	-1.54e-03	0.02	-0.44	-2.61e-04	-1.07e-04	-1.24e-05
135	86	-1.50e-03	0.02	-0.44	-2.51e-04	-1.06e-04	-1.16e-05

Z	Nodo	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione	
		-1.59	-0.84	-8.02	-7.47e-03	-2.08e-03	-4.05e-04	
		1.59	1.88	-0.12	7.51e-03	2.08e-03	4.05e-04	
RZ	Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione
			daN	daN	daN	daN cm	daN cm	daN cm
RZ	Nodo		Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione
RZ	Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione
			daN	daN	daN	daN cm	daN cm	daN cm

RISULTATI ELEMENTI TIPO TRAVE

LEGENDA RISULTATI ELEMENTI TIPO TRAVE

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

Gli elementi vengono suddivisi in relazione alle proprietà in elementi:

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

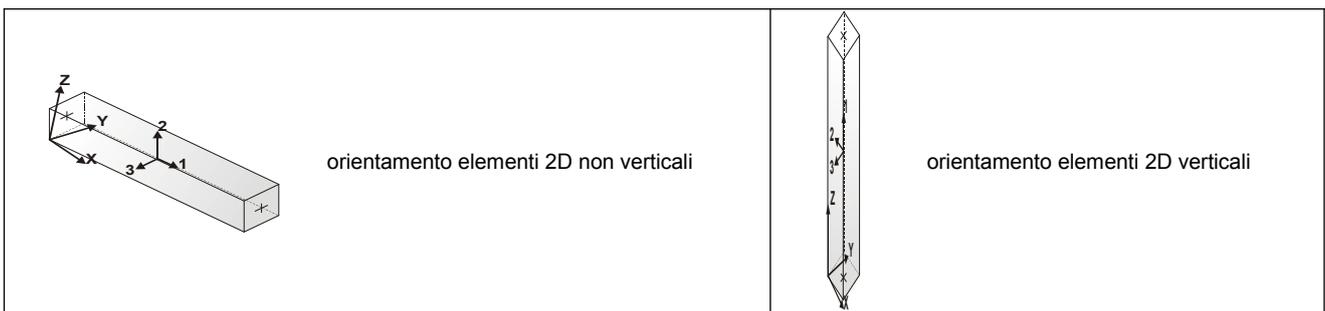
Per ogni elemento e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.

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

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

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

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



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4172.84		-1524.07	-1594.61	-0.01	0.0	503.0	-1.092e+04	11.33	13.44	-322.62	5164.22	
18	85	5179.45	6274.33	-3.95e-04	0.0	0.0	-1.252e+04	14.53	17.49	-230.48	-2523.21	-
2128.49		-2128.49	-2523.21	-0.02	0.0	503.0	-1.026e+04	14.53	17.49	-230.48	6274.33	
5179.45		-2128.49	-2523.21	-0.02	0.0	503.0	-1.026e+04	14.53	17.49	-230.48	6274.33	
18	86	5179.45	6274.33	-3.95e-04	0.0	0.0	-1.252e+04	14.53	17.49	-230.48	-2523.21	-
2128.49		-2128.49	-2523.21	-0.02	0.0	503.0	-1.026e+04	14.53	17.49	-230.48	6274.33	
5179.45		-2128.49	-2523.21	-0.02	0.0	503.0	-1.026e+04	14.53	17.49	-230.48	6274.33	
19	2	3738.97	-1.224e+04	1.43e-04	0.0	0.0	-2.796e+04	11.88	54.57	-110.65	-3.052e+04	-
240.01		-240.01	-3.052e+04	7.23e-03	0.0	335.0	-2.645e+04	11.88	54.57	-110.65	-1.224e+04	
3738.97		-240.01	-3.052e+04	7.23e-03	0.0	335.0	-2.645e+04	11.88	54.57	-110.65	-1.224e+04	
19	3	4696.02	-1234.84	1.86e-04	0.0	0.0	-3.430e+04	-13.34	-1.99	-1036.84	-1234.84	
4696.02		227.38	-1902.55	-7.09e-03	0.0	335.0	-3.234e+04	-13.34	-1.99	-1036.84	-1902.55	
227.38		227.38	-1902.55	-7.09e-03	0.0	335.0	-3.234e+04	-13.34	-1.99	-1036.84	-1902.55	
19	6	1.442e+05	-3929.65	-0.04	0.0	0.0	-2.799e+04	1208.59	7.39	-4099.67	-6406.28	-
2.607e+05		-2.607e+05	-6406.28	-5.85e-03	0.0	335.0	-2.648e+04	1208.59	7.39	-4099.67	-3929.65	
1.442e+05		-2.607e+05	-6406.28	-5.85e-03	0.0	335.0	-2.648e+04	1208.59	7.39	-4099.67	-3929.65	
19	7	2.768e+05	-4755.93	0.04	0.0	0.0	-3.185e+04	-1269.11	20.11	2878.38	-1.149e+04	
2.768e+05		-1.483e+05	-1.149e+04	-7.35e-03	0.0	335.0	-2.989e+04	-1269.11	20.11	2878.38	-4755.93	-
1.483e+05		-1.483e+05	-1.149e+04	-7.35e-03	0.0	335.0	-2.989e+04	-1269.11	20.11	2878.38	-4755.93	-
19	11	2309.23	3.138e+05	2.61e-04	0.0	0.0	-3.183e+04	0.66	-1591.59	7023.68	3.138e+05	
2087.36		2087.36	-2.193e+05	0.18	0.0	335.0	-2.987e+04	0.66	-1591.59	7023.68	-2.193e+05	
2309.23		2087.36	-2.193e+05	0.18	0.0	335.0	-2.987e+04	0.66	-1591.59	7023.68	-2.193e+05	
19	12	5720.12	3.161e+05	2.19e-04	0.0	0.0	-2.797e+04	26.95	-1596.18	6913.61	3.161e+05	-
3308.56		-3308.56	-2.186e+05	0.19	0.0	335.0	-2.646e+04	26.95	-1596.18	6913.61	-2.186e+05	
5720.12		-3308.56	-2.186e+05	0.19	0.0	335.0	-2.646e+04	26.95	-1596.18	6913.61	-2.186e+05	
19	22	1.417e+06	2.252e+05	-0.47	0.0	0.0	-2.148e+04	1.264e+04	-764.04	-1.320e+05	2.252e+05	-
2.824e+06		-2.824e+06	-4.301e+04	0.18	0.0	335.0	-1.997e+04	1.264e+04	-764.04	-1.320e+05	-4.301e+04	
1.417e+06		-2.824e+06	-4.301e+04	0.18	0.0	335.0	-1.997e+04	1.264e+04	-764.04	-1.320e+05	-4.301e+04	
19	23	2.852e+06	3.571e+04	0.47	0.0	0.0	-2.115e+04	-1.277e+04	793.53	1.311e+05	-2.423e+05	
2.852e+06		-1.431e+06	-2.423e+05	-0.20	0.0	335.0	-1.965e+04	-1.277e+04	793.53	1.311e+05	3.571e+04	-
1.431e+06		-1.431e+06	-2.423e+05	-0.20	0.0	335.0	-1.965e+04	-1.277e+04	793.53	1.311e+05	3.571e+04	-
19	34	6.246e+05	6.659e+05	-0.19	0.0	0.0	-2.084e+04	5545.86	-2225.53	-9.501e+04	6.659e+05	-
1.235e+06		-1.235e+06	-1.542e+05	0.56	0.0	335.0	-1.934e+04	5545.86	-2225.53	-9.501e+04	-1.542e+05	
6.246e+05		-1.235e+06	-1.542e+05	0.56	0.0	335.0	-1.934e+04	5545.86	-2225.53	-9.501e+04	-1.542e+05	
19	35	1.263e+06	1.469e+05	0.19	0.0	0.0	-2.179e+04	-5669.99	2255.02	9.417e+04	-6.831e+05	
1.263e+06		-6.382e+05	-6.831e+05	-0.57	0.0	335.0	-2.028e+04	-5669.99	2255.02	9.417e+04	1.469e+05	-
6.382e+05		-6.382e+05	-6.831e+05	-0.57	0.0	335.0	-2.028e+04	-5669.99	2255.02	9.417e+04	1.469e+05	-
19	41	2.707e+05	1.468e+05	-0.19	0.0	0.0	-2.202e+04	4827.95	2030.02	-1.212e+05	-6.210e+05	-
1.090e+06		-1.090e+06	-6.210e+05	-0.52	0.0	335.0	-2.051e+04	4827.95	2030.02	-1.212e+05	1.468e+05	
2.707e+05		-1.090e+06	-6.210e+05	-0.52	0.0	335.0	-2.051e+04	4827.95	2030.02	-1.212e+05	1.468e+05	
19	44	1.118e+06	6.038e+05	0.19	0.0	0.0	-2.061e+04	-4952.08	-2000.53	1.203e+05	6.038e+05	
1.118e+06		-2.843e+05	-1.541e+05	0.51	0.0	335.0	-1.910e+04	-4952.08	-2000.53	1.203e+05	-1.541e+05	-
2.843e+05		-2.843e+05	-1.541e+05	0.51	0.0	335.0	-1.910e+04	-4952.08	-2000.53	1.203e+05	-1.541e+05	-
19	54	1.007e+06	1.582e+05	-0.33	0.0	0.0	-2.143e+04	8991.80	-541.33	-9.419e+04	1.582e+05	-
2.009e+06		-2.009e+06	-3.206e+04	0.13	0.0	335.0	-1.993e+04	8991.80	-541.33	-9.419e+04	-3.206e+04	
1.007e+06		-2.009e+06	-3.206e+04	0.13	0.0	335.0	-1.993e+04	8991.80	-541.33	-9.419e+04	-3.206e+04	
19	55	2.037e+06	2.476e+04	0.33	0.0	0.0	-2.120e+04	-9115.93	570.82	9.336e+04	-1.753e+05	
2.037e+06		-1.021e+06	-1.753e+05	-0.14	0.0	335.0	-1.969e+04	-9115.93	570.82	9.336e+04	2.476e+04	-
1.021e+06		-1.021e+06	-1.753e+05	-0.14	0.0	335.0	-1.969e+04	-9115.93	570.82	9.336e+04	2.476e+04	-

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3.169e+05		1.712e+05	-6.876e+04	-0.06	0.0	115.0	-6310.70	1313.57	5582.56	7.363e+04	7.595e+05	
34	46	3.416e+05	3.746e+05	-0.13	0.0	0.0	-7791.47	1399.94	2335.78	1.671e+04	3.607e+05	
1.882e+05		1.882e+05	3.607e+05	0.02	0.0	115.0	-7101.47	1399.94	2335.78	1.671e+04	3.746e+05	
3.416e+05		1.882e+05	3.607e+05	0.02	0.0	115.0	-7101.47	1399.94	2335.78	1.671e+04	3.746e+05	
34	47	-2.975e+05	1.326e+05	0.11	0.0	0.0	-1.799e+04	-2085.15	250.53	-3651.92	-1.510e+05	-
2.975e+05		-5.297e+05	-1.510e+05	-0.03	0.0	115.0	-1.730e+04	-2085.15	250.53	-3651.92	1.326e+05	-
5.297e+05		-5.297e+05	-1.510e+05	-0.03	0.0	115.0	-1.730e+04	-2085.15	250.53	-3651.92	1.326e+05	-
34	48	-2.805e+05	2.785e+05	0.12	0.0	0.0	-1.879e+04	-1998.78	-2996.25	-6.056e+04	2.785e+05	-
2.805e+05		-5.049e+05	-2.523e+05	0.05	0.0	115.0	-1.810e+04	-1998.78	-2996.25	-6.056e+04	-2.523e+05	-
5.049e+05		-5.049e+05	-2.523e+05	0.05	0.0	115.0	-1.810e+04	-1998.78	-2996.25	-6.056e+04	-2.523e+05	-
34	69	201.10	1.080e+06	-0.04	0.0	0.0	-1.224e+04	-54.46	9351.58	4.563e+04	-7.405e+05	
201.10		-6873.73	-7.405e+05	-0.17	0.0	115.0	-1.155e+04	-54.46	9351.58	4.563e+04	1.080e+06	-
6873.73		-6873.73	-7.405e+05	-0.17	0.0	115.0	-1.155e+04	-54.46	9351.58	4.563e+04	1.080e+06	-
34	73	-1.007e+04	1.055e+06	-0.04	0.0	0.0	-1.241e+04	-19.80	9474.18	6.478e+04	-7.938e+05	-
1.007e+04		-1.212e+04	-7.938e+05	-0.18	0.0	115.0	-1.172e+04	-19.80	9474.18	6.478e+04	1.055e+06	-
1.212e+04		-1.212e+04	-7.938e+05	-0.18	0.0	115.0	-1.172e+04	-19.80	9474.18	6.478e+04	1.055e+06	-
34	78	-6.079e+04	3.689e+05	-7.46e-03	0.0	0.0	-1.517e+04	-414.50	1945.41	8242.51	1.451e+05	-
6.079e+04		-1.085e+05	1.451e+05	-3.62e-03	0.0	115.0	-1.448e+04	-414.50	1945.41	8242.51	3.689e+05	-
1.085e+05		-1.085e+05	1.451e+05	-3.62e-03	0.0	115.0	-1.448e+04	-414.50	1945.41	8242.51	3.689e+05	-
34	79	1358.93	3.497e+05	-0.01	0.0	0.0	-1.383e+04	-954.17	2004.19	3.133e+04	1.192e+05	
1358.93		-1.084e+05	1.192e+05	-5.80e-03	0.0	115.0	-1.314e+04	-954.17	2004.19	3.133e+04	3.497e+05	-
1.084e+05		-1.084e+05	1.192e+05	-5.80e-03	0.0	115.0	-1.314e+04	-954.17	2004.19	3.133e+04	3.497e+05	-
34	80	-9.606e+04	2.786e+05	3.55e-03	0.0	0.0	-1.442e+04	-214.52	1320.56	-2838.03	1.267e+05	-
9.606e+04		-1.207e+05	1.267e+05	-2.90e-03	0.0	115.0	-1.373e+04	-214.52	1320.56	-2838.03	2.786e+05	-
1.207e+05		-1.207e+05	1.267e+05	-2.90e-03	0.0	115.0	-1.373e+04	-214.52	1320.56	-2838.03	2.786e+05	-
34	81	-6.033e+04	3.951e+05	-7.80e-03	0.0	0.0	-1.409e+04	-414.91	2937.06	3.166e+04	5.738e+04	-
6.033e+04		-1.080e+05	5.738e+04	-0.02	0.0	115.0	-1.340e+04	-414.91	2937.06	3.166e+04	3.951e+05	-
1.080e+05		-1.080e+05	5.738e+04	-0.02	0.0	115.0	-1.340e+04	-414.91	2937.06	3.166e+04	3.951e+05	-
34	83	-5.589e+04	2.584e+05	-7.85e-03	0.0	0.0	-1.297e+04	-364.26	1361.19	6695.49	1.019e+05	-
5.589e+04		-9.778e+04	1.019e+05	-5.07e-03	0.0	115.0	-1.228e+04	-364.26	1361.19	6695.49	2.584e+05	-
9.778e+04		-9.778e+04	1.019e+05	-5.07e-03	0.0	115.0	-1.228e+04	-364.26	1361.19	6695.49	2.584e+05	-
34	84	-5.561e+04	2.757e+05	-7.90e-03	0.0	0.0	-1.333e+04	-352.66	1410.00	6840.58	1.135e+05	-
5.561e+04		-9.617e+04	1.135e+05	-4.49e-03	0.0	115.0	-1.264e+04	-352.66	1410.00	6840.58	2.757e+05	-
9.617e+04		-9.617e+04	1.135e+05	-4.49e-03	0.0	115.0	-1.264e+04	-352.66	1410.00	6840.58	2.757e+05	-
34	85	-5.463e+04	2.536e+05	-7.98e-03	0.0	0.0	-1.289e+04	-342.61	1293.15	6531.17	1.049e+05	-
5.463e+04		-9.403e+04	1.049e+05	-4.79e-03	0.0	115.0	-1.220e+04	-342.61	1293.15	6531.17	2.536e+05	-
9.403e+04		-9.403e+04	1.049e+05	-4.79e-03	0.0	115.0	-1.220e+04	-342.61	1293.15	6531.17	2.536e+05	-
34	86	-5.463e+04	2.536e+05	-7.98e-03	0.0	0.0	-1.289e+04	-342.61	1293.15	6531.17	1.049e+05	-
5.463e+04		-9.403e+04	1.049e+05	-4.79e-03	0.0	115.0	-1.220e+04	-342.61	1293.15	6531.17	2.536e+05	-
9.403e+04		-9.403e+04	1.049e+05	-4.79e-03	0.0	115.0	-1.220e+04	-342.61	1293.15	6531.17	2.536e+05	-
35	3	7.200e+04	7.981e+04	-0.01	0.0	0.0	-2.577e+04	561.80	841.67	-6489.33	-2.021e+05	-
1.162e+05		-1.162e+05	-2.021e+05	-0.03	0.0	335.0	-2.315e+04	561.80	841.67	-6489.33	7.981e+04	-
7.200e+04		-1.162e+05	-2.021e+05	-0.03	0.0	335.0	-2.315e+04	561.80	841.67	-6489.33	7.981e+04	-
35	5	1.157e+05	4.064e+04	-0.06	0.0	0.0	-2.472e+04	948.35	420.09	-6.609e+04	-1.001e+05	-
2.020e+05		-2.020e+05	-1.001e+05	-0.02	0.0	335.0	-2.210e+04	948.35	420.09	-6.609e+04	4.064e+04	-
1.157e+05		-2.020e+05	-1.001e+05	-0.02	0.0	335.0	-2.210e+04	948.35	420.09	-6.609e+04	4.064e+04	-
35	9	7.291e+04	1.280e+05	-0.01	0.0	0.0	-2.350e+04	549.00	2607.80	-3.723e+04	-7.456e+05	-
1.110e+05		-1.110e+05	-7.456e+05	-0.09	0.0	335.0	-2.089e+04	549.00	2607.80	-3.723e+04	1.280e+05	-
7.291e+04		-1.110e+05	-7.456e+05	-0.09	0.0	335.0	-2.089e+04	549.00	2607.80	-3.723e+04	1.280e+05	-

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NUOVA SCUOLA PRIMARIA IN VIA LIGURIA – CORPO B PALESTRA
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8.767e+05		-8.767e+05	-1.063e+05	-0.15	0.0	378.0	-9585.93	-4919.39	-306.91	-2.298e+04	-1.063e+05	-
171	73	7.044e+04	2.205e+05	-0.05	0.0	0.0	-9465.22	401.38	1493.12	-3.451e+04	-3.439e+05	-
8.128e+04		-8.128e+04	-3.439e+05	-0.47	0.0	378.0	-8331.22	401.38	1493.12	-3.451e+04	2.205e+05	-
7.044e+04		7.044e+04	2.205e+05	-0.47	0.0	378.0	-8331.22	401.38	1493.12	-3.451e+04	2.205e+05	-
171	76	9.979e+04	6.308e+05	0.06	0.0	0.0	-1.276e+04	-496.13	-3469.96	3.380e+04	6.308e+05	-
9.979e+04		-8.775e+04	-6.808e+05	0.43	0.0	378.0	-1.163e+04	-496.13	-3469.96	3.380e+04	-6.808e+05	-
8.775e+04		8.775e+04	6.808e+05	0.43	0.0	378.0	-1.163e+04	-496.13	-3469.96	3.380e+04	6.808e+05	-
171	78	1.171e+04	1.853e+05	1.03e-03	0.0	0.0	-1.298e+04	-59.69	-1271.07	-226.88	1.853e+05	-
1.171e+04		-1.085e+04	-2.952e+05	0.03	0.0	378.0	-1.185e+04	-59.69	-1271.07	-226.88	-2.952e+05	-
1.085e+04		1.085e+04	2.952e+05	0.03	0.0	378.0	-1.185e+04	-59.69	-1271.07	-226.88	2.952e+05	-
171	80	8.583e+04	1.672e+05	0.04	0.0	0.0	-1.206e+04	-430.79	-1143.72	1421.31	1.672e+05	-
8.583e+04		-7.701e+04	-2.651e+05	0.02	0.0	378.0	-1.093e+04	-430.79	-1143.72	1421.31	-2.651e+05	-
7.701e+04		7.701e+04	2.651e+05	0.02	0.0	378.0	-1.093e+04	-430.79	-1143.72	1421.31	2.651e+05	-
171	81	1.213e+04	1.007e+05	8.21e-04	0.0	0.0	-1.191e+04	-62.36	-801.07	346.87	1.007e+05	-
1.213e+04		-1.145e+04	-2.021e+05	-0.08	0.0	378.0	-1.077e+04	-62.36	-801.07	346.87	-2.021e+05	-
1.145e+04		1.145e+04	2.021e+05	-0.08	0.0	378.0	-1.077e+04	-62.36	-801.07	346.87	2.021e+05	-
171	82	8969.70	2.236e+05	8.97e-04	0.0	0.0	-1.221e+04	-45.88	-1432.89	-492.25	2.236e+05	-
8969.70		-8371.32	-3.181e+05	0.06	0.0	378.0	-1.108e+04	-45.88	-1432.89	-492.25	-3.181e+05	-
8371.32		8371.32	3.181e+05	0.06	0.0	378.0	-1.108e+04	-45.88	-1432.89	-492.25	3.181e+05	-
171	84	9681.31	1.512e+05	8.77e-04	0.0	0.0	-1.149e+04	-49.50	-1041.89	-335.63	1.512e+05	-
9681.31		-9031.37	-2.426e+05	0.02	0.0	378.0	-1.035e+04	-49.50	-1041.89	-335.63	-2.426e+05	-
9031.37		9031.37	2.426e+05	0.02	0.0	378.0	-1.035e+04	-49.50	-1041.89	-335.63	2.426e+05	-
171	85	9254.18	1.435e+05	8.41e-04	0.0	0.0	-1.111e+04	-47.37	-988.42	-354.79	1.435e+05	-
9254.18		-8653.36	-2.301e+05	-0.02	0.0	378.0	-9980.77	-47.37	-988.42	-354.79	-2.301e+05	-
8653.36		8653.36	2.301e+05	-0.02	0.0	378.0	-9980.77	-47.37	-988.42	-354.79	2.301e+05	-
171	86	9254.18	1.435e+05	8.41e-04	0.0	0.0	-1.111e+04	-47.37	-988.42	-354.79	1.435e+05	-
9254.18		-8653.36	-2.301e+05	-0.02	0.0	378.0	-9980.77	-47.37	-988.42	-354.79	-2.301e+05	-
8653.36		8653.36	2.301e+05	-0.02	0.0	378.0	-9980.77	-47.37	-988.42	-354.79	2.301e+05	-
172	3	1.476e+04	2.552e+05	-1.40e-03	0.0	0.0	-1.750e+04	81.17	-1746.14	274.82	2.552e+05	-
1.592e+04		-1.592e+04	-4.048e+05	0.04	0.0	378.0	-1.602e+04	81.17	-1746.14	274.82	-4.048e+05	-
1.476e+04		1.476e+04	4.048e+05	0.04	0.0	378.0	-1.602e+04	81.17	-1746.14	274.82	4.048e+05	-
172	5	1.140e+05	2.281e+05	-0.06	0.0	0.0	-1.612e+04	637.83	-1555.12	-2197.47	2.281e+05	-
1.271e+05		-1.271e+05	-3.597e+05	0.03	0.0	378.0	-1.464e+04	637.83	-1555.12	-2197.47	-3.597e+05	-
1.140e+05		1.140e+05	3.597e+05	0.03	0.0	378.0	-1.464e+04	637.83	-1555.12	-2197.47	3.597e+05	-
172	10	1.338e+04	9.426e+04	-8.49e-04	0.0	0.0	-1.293e+04	72.64	-800.45	-684.04	9.426e+04	-
1.408e+04		-1.408e+04	-2.083e+05	-0.11	0.0	378.0	-1.180e+04	72.64	-800.45	-684.04	-2.083e+05	-
1.338e+04		1.338e+04	2.083e+05	-0.11	0.0	378.0	-1.180e+04	72.64	-800.45	-684.04	2.083e+05	-
172	11	1.104e+04	3.127e+05	-1.19e-03	0.0	0.0	-1.635e+04	60.45	-1988.88	672.88	3.127e+05	-
1.181e+04		-1.181e+04	-4.391e+05	0.09	0.0	378.0	-1.487e+04	60.45	-1988.88	672.88	-4.391e+05	-
1.104e+04		1.104e+04	4.391e+05	0.09	0.0	378.0	-1.487e+04	60.45	-1988.88	672.88	4.391e+05	-
172	13	1.226e+06	-4.416e+04	-0.69	0.0	0.0	-1.056e+04	6880.92	-32.71	3.209e+04	-4.416e+04	-
1.375e+06		-1.375e+06	-5.652e+04	-0.20	0.0	378.0	-9427.11	6880.92	-32.71	3.209e+04	-5.652e+04	-
1.226e+06		1.226e+06	5.652e+04	-0.20	0.0	378.0	-9427.11	6880.92	-32.71	3.209e+04	5.652e+04	-
172	16	1.356e+06	3.311e+05	0.69	0.0	0.0	-1.167e+04	-6786.17	-1944.14	-3.138e+04	3.311e+05	-
1.356e+06		-1.209e+06	-4.038e+05	0.17	0.0	378.0	-1.053e+04	-6786.17	-1944.14	-3.138e+04	-4.038e+05	-
1.209e+06		1.209e+06	4.038e+05	0.17	0.0	378.0	-1.053e+04	-6786.17	-1944.14	-3.138e+04	4.038e+05	-
172	34	1.196e+05	8.269e+05	-0.08	0.0	0.0	-1.343e+04	676.88	-4468.47	-4.755e+04	8.269e+05	-
1.362e+05		-1.362e+05	-8.622e+05	0.61	0.0	378.0	-1.229e+04	676.88	-4468.47	-4.755e+04	-8.622e+05	-
1.196e+05		1.196e+05	8.622e+05	0.61	0.0	378.0	-1.229e+04	676.88	-4468.47	-4.755e+04	8.622e+05	-

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NUOVA SCUOLA PRIMARIA IN VIA LIGURIA – CORPO B PALESTRA
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2.286e+05		-2.286e+05	-2625.29	-8.14e-04	0.0	261.5	-574.81	-3500.79	-13.42	2.086e+04	-2625.29	-
84	2	1.933e+06	324.91	-4.40	-3392.07	0.0	13.02	5602.06	-0.90	120.28	324.91	0.0
		0.0	-118.93	8.83e-04	0.0	495.0	13.02	2209.99	-0.90	120.28	-118.93	
1.933e+06												
84	3	2.574e+06	434.29	-5.85	-4516.49	0.0	14.91	7459.05	-1.18	132.63	434.29	0.0
		0.0	-149.91	9.19e-04	0.0	495.0	14.91	2942.56	-1.18	132.63	-149.91	
2.574e+06												
84	7	2.132e+06	617.65	-4.85	-3739.83	0.0	109.48	6176.39	3.29	122.61	-1009.52	0.0
		0.0	-1009.52	-0.01	0.0	495.0	109.48	2436.56	3.29	122.61	617.65	
2.132e+06												
84	8	1.933e+06	634.42	-4.40	-3392.07	0.0	108.19	5602.06	3.42	99.35	-1058.80	0.0
		0.0	-1058.80	-0.01	0.0	495.0	108.19	2209.99	3.42	99.35	634.42	
1.933e+06												
84	10	1.933e+06	168.94	-4.40	-3392.07	0.0	-144.46	5602.06	2.10	132.79	-871.80	0.0
		0.0	-871.80	2.50e-03	0.0	495.0	-144.46	2209.99	2.10	132.79	168.94	
1.933e+06												
84	11	2.132e+06	1861.94	-4.84	-3739.83	0.0	55.21	6176.39	-4.77	97.91	1861.94	0.0
		0.0	-499.54	-3.37e-03	0.0	495.0	55.21	2436.56	-4.77	97.91	-499.54	
2.132e+06												
84	19	1.418e+06	3048.69	-2.46	-2130.01	0.0	-119.82	3930.23	19.05	133.63	-6381.24	0.0
		0.0	-6381.24	7.93e-03	0.0	495.0	-119.82	1800.22	19.05	133.63	3048.69	
1.418e+06												
84	34	1.079e+06	1.026e+04	-2.63	-2130.01	0.0	474.92	3243.84	-26.39	-193.12	1.026e+04	0.0
		0.0	-2808.34	0.20	0.0	495.0	474.92	1113.83	-26.39	-193.12	-2808.34	
1.079e+06												
84	35	1.350e+06	2669.27	-2.89	-2130.01	0.0	-458.87	3791.65	25.35	366.79	-9879.27	0.0
		0.0	-9879.27	-0.19	0.0	495.0	-458.87	1661.64	25.35	366.79	2669.27	
1.350e+06												
84	36	1.172e+06	8153.90	-2.44	-2130.01	0.0	382.50	3433.61	-19.71	-205.59	8153.90	0.0
		0.0	-1605.97	0.12	0.0	495.0	382.50	1303.60	-19.71	-205.59	-1605.97	
1.172e+06												
84	42	1.076e+06	1.155e+04	-2.62	-2130.01	0.0	265.14	3238.13	-29.86	-160.08	1.155e+04	0.0
		0.0	-3237.35	-0.12	0.0	495.0	265.14	1108.12	-29.86	-160.08	-3237.35	
1.076e+06												
84	43	1.353e+06	3098.28	-2.90	-2130.01	0.0	-249.09	3797.36	28.82	333.75	-1.117e+04	0.0
		0.0	-1.117e+04	0.13	0.0	495.0	-249.09	1667.35	28.82	333.75	3098.28	
1.353e+06												
84	51	1.360e+06	2152.79	-2.55	-2130.01	0.0	-83.15	3811.77	13.43	120.22	-4494.33	0.0
		0.0	-4494.33	5.62e-03	0.0	495.0	-83.15	1681.76	13.43	120.22	2152.79	
1.360e+06												
84	66	1.117e+06	7368.31	-2.67	-2130.01	0.0	341.04	3322.48	-18.97	-112.79	7368.31	0.0
		0.0	-2022.28	0.14	0.0	495.0	341.04	1192.47	-18.97	-112.79	-2022.28	
1.117e+06												
84	67	1.311e+06	1883.22	-2.85	-2130.01	0.0	-324.99	3713.01	17.93	286.47	-6991.17	0.0
		0.0	-6991.17	-0.14	0.0	495.0	-324.99	1583.00	17.93	286.47	1883.22	
1.311e+06												
84	68	1.184e+06	5871.42	-2.53	-2130.01	0.0	275.16	3457.70	-14.22	-121.68	5871.42	0.0
		0.0	-1166.09	0.08	0.0	495.0	275.16	1327.69	-14.22	-121.68	-1166.09	
1.184e+06												
84	74	1.115e+06	8287.37	-2.66	-2130.01	0.0	191.46	3318.40	-21.44	-89.23	8287.37	0.0
		0.0	-2328.28	-0.09	0.0	495.0	191.46	1188.39	-21.44	-89.23	-2328.28	
1.115e+06												
84	75	1.313e+06	2189.21	-2.86	-2130.01	0.0	-175.41	3717.08	20.40	262.91	-7910.23	0.0
		0.0	-7910.23	0.09	0.0	495.0	-175.41	1587.07	20.40	262.91	2189.21	
1.313e+06												
84	77	1.509e+06	271.36	-3.43	-2647.78	0.0	10.12	4372.85	-0.75	106.03	271.36	0.0
		0.0	-97.92	6.93e-04	0.0	495.0	10.12	1725.07	-0.75	106.03	-97.92	
1.509e+06												
84	78	1.804e+06	311.43	-4.10	-3165.55	0.0	10.52	5227.95	-0.85	98.76	311.43	0.0
		0.0	-107.40	6.54e-04	0.0	495.0	10.52	2062.40	-0.85	98.76	-107.40	
1.804e+06												
84	80	1.509e+06	404.31	-3.43	-2647.78	0.0	73.57	4372.85	2.13	92.08	-651.11	0.0
		0.0	-651.11	-7.75e-03	0.0	495.0	73.57	1725.07	2.13	92.08	404.31	
1.509e+06												
84	81	1.509e+06	93.99	-3.43	-2647.78	0.0	-94.86	4372.85	1.25	114.37	-526.45	0.0

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		0.0	-526.45	1.65e-03	0.0	495.0	-94.86	1725.07	1.25	114.37	93.99
1.509e+06											
84	82	1.509e+06	1263.19	-3.43	-2647.78	0.0	37.38	4372.85	-3.24	75.61	1263.19 0.0
		0.0	-340.48	-2.27e-03	0.0	495.0	37.38	1725.07	-3.24	75.61	-340.48
1.509e+06											
84	83	1.214e+06	194.67	-2.76	-2130.01	0.0	8.27	3517.74	-0.54	90.62	194.67 0.0
		0.0	-72.23	5.64e-04	0.0	495.0	8.27	1387.73	-0.54	90.62	-72.23
1.214e+06											
84	84	1.332e+06	211.92	-3.03	-2337.12	0.0	8.48	3859.79	-0.58	88.47	211.92 0.0
		0.0	-76.57	5.54e-04	0.0	495.0	8.48	1522.67	-0.58	88.47	-76.57
1.332e+06											
84	85	1.214e+06	188.57	-2.76	-2130.01	0.0	8.03	3517.74	-0.52	86.84	188.57 0.0
		0.0	-69.53	5.36e-04	0.0	495.0	8.03	1387.73	-0.52	86.84	-69.53
1.214e+06											
84	86	1.214e+06	188.57	-2.76	-2130.01	0.0	8.03	3517.74	-0.52	86.84	188.57 0.0
		0.0	-69.53	5.36e-04	0.0	495.0	8.03	1387.73	-0.52	86.84	-69.53
1.214e+06											
85	3	2.574e+06	91.88	5.88	-4516.49	0.0	8.53	-2942.56	-0.80	132.63	91.88
2.574e+06											
		0.0	-305.56	-3.45e-04	0.0	495.0	8.53	-7459.05	-0.80	132.63	-305.56 0.0
85	7	2.132e+06	868.02	4.86	-3739.83	0.0	123.77	-2436.56	-5.31	122.61	868.02
2.132e+06											
		0.0	-1761.02	3.65e-03	0.0	495.0	123.77	-6176.39	-5.31	122.61	-1761.02 0.0
85	8	1.933e+06	858.16	4.41	-3392.07	0.0	123.93	-2209.99	-5.23	99.35	858.16
1.933e+06											
		0.0	-1731.25	3.61e-03	0.0	495.0	123.93	-5602.06	-5.23	99.35	-1731.25 0.0
85	11	2.132e+06	267.96	4.87	-3739.83	0.0	-230.88	-2436.56	-3.09	97.91	267.96
2.132e+06											
		0.0	-1263.79	-1.82e-03	0.0	495.0	-230.88	-6176.39	-3.09	97.91	-1263.79 0.0
85	13	1.064e+06	6592.13	3.15	-2130.01	0.0	221.43	-1083.83	19.04	201.85	-2833.18
1.064e+06											
		0.0	-2833.18	-0.04	0.0	495.0	221.43	-3213.84	19.04	201.85	6592.13 0.0
85	19	1.420e+06	1609.19	2.47	-2130.01	0.0	36.97	-1803.45	-6.16	133.63	1609.19
1.420e+06											
		0.0	-1441.12	0.04	0.0	495.0	36.97	-3933.46	-6.16	133.63	-1441.12 0.0
85	33	1.257e+06	9099.53	2.98	-2130.01	0.0	583.13	-1474.95	23.44	379.26	-2504.97
1.257e+06											
		0.0	-2504.97	-0.04	0.0	495.0	583.13	-3604.96	23.44	379.26	9099.53 0.0
85	36	1.171e+06	2592.02	2.55	-2130.01	0.0	-577.16	-1300.52	-24.13	-205.59	2592.02
1.171e+06											
		0.0	-9355.78	0.04	0.0	495.0	-577.16	-3430.53	-24.13	-205.59	-9355.78 0.0
85	37	1.255e+06	1.115e+04	3.01	-2130.01	0.0	317.55	-1470.19	29.02	348.73	-3216.03
1.255e+06											
		0.0	-3216.03	0.07	0.0	495.0	317.55	-3600.20	29.02	348.73	1.115e+04 0.0
85	40	1.173e+06	3303.08	2.53	-2130.01	0.0	-311.58	-1305.27	-29.71	-175.06	3303.08
1.173e+06											
		0.0	-1.141e+04	-0.07	0.0	495.0	-311.58	-3435.28	-29.71	-175.06	-1.141e+04 0.0
85	45	1.107e+06	4663.41	3.04	-2130.01	0.0	158.57	-1171.13	13.47	168.83	-2007.35
1.107e+06											
		0.0	-2007.35	-0.03	0.0	495.0	158.57	-3301.14	13.47	168.83	4663.41 0.0
85	51	1.361e+06	1159.25	2.55	-2130.01	0.0	27.47	-1684.08	-4.49	120.22	1159.25
1.361e+06											
		0.0	-1062.82	0.03	0.0	495.0	27.47	-3814.09	-4.49	120.22	-1062.82 0.0
85	65	1.245e+06	6453.75	2.92	-2130.01	0.0	416.75	-1449.95	16.62	295.35	-1774.18
1.245e+06											
		0.0	-1774.18	-0.03	0.0	495.0	416.75	-3579.96	16.62	295.35	6453.75 0.0
85	68	1.183e+06	1861.23	2.62	-2130.01	0.0	-410.78	-1325.51	-17.31	-121.68	1861.23
1.183e+06											
		0.0	-6710.00	0.03	0.0	495.0	-410.78	-3455.52	-17.31	-121.68	-6710.00 0.0
85	69	1.243e+06	7916.13	2.94	-2130.01	0.0	227.35	-1446.58	20.60	273.58	-2280.81
1.243e+06											
		0.0	-2280.81	0.05	0.0	495.0	227.35	-3576.59	20.60	273.58	7916.13 0.0
85	72	1.185e+06	2367.86	2.60	-2130.01	0.0	-221.38	-1328.89	-21.29	-99.91	2367.86
1.185e+06											
		0.0	-8172.38	-0.05	0.0	495.0	-221.38	-3458.90	-21.29	-99.91	-8172.38 0.0
85	78	1.804e+06	65.64	4.12	-3165.55	0.0	5.62	-2062.40	-0.57	98.76	65.64

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1.804e+06		0.0	-216.94	-2.29e-04	0.0	495.0	5.62	-5227.95	-0.57	98.76	-216.94	0.0
85	80	1.509e+06	583.06	3.44	-2647.78	0.0	82.45	-1725.07	-3.58	92.08	583.06	
1.509e+06		0.0	-1187.25	2.45e-03	0.0	495.0	82.45	-4372.85	-3.58	92.08	-1187.25	0.0
85	82	1.509e+06	183.02	3.45	-2647.78	0.0	-153.99	-1725.07	-2.10	75.61	183.02	
1.509e+06		0.0	-855.76	-1.21e-03	0.0	495.0	-153.99	-4372.85	-2.10	75.61	-855.76	0.0
85	83	1.214e+06	41.79	2.77	-2130.01	0.0	2.84	-1387.73	-0.33	90.62	41.79	
1.214e+06		0.0	-122.39	1.30e-04	0.0	495.0	2.84	-3517.74	-0.33	90.62	-122.39	0.0
85	84	1.332e+06	48.30	3.04	-2337.12	0.0	3.54	-1522.67	-0.39	88.47	48.30	
1.332e+06		0.0	-147.04	1.60e-04	0.0	495.0	3.54	-3859.79	-0.39	88.47	-147.04	0.0
85	86	1.214e+06	43.53	2.77	-2130.01	0.0	2.98	-1387.73	-0.35	86.84	43.53	
1.214e+06		0.0	-128.13	1.43e-04	0.0	495.0	2.98	-3517.74	-0.35	86.84	-128.13	0.0
86	2	2.290e+06	-24.29	-0.97	-2209.99	0.0	3.70	2209.99	0.29	120.28	-118.93	
1.933e+06		1.933e+06	-118.93	2.54e-04	0.0	322.5	3.70	-3.19e-05	0.29	120.28	-24.29	
2.290e+06		3	3.049e+06	-29.20	-1.29	-2942.56	0.0	10.44	2942.56	0.37	132.63	-149.91
2.574e+06		2.574e+06	-149.91	2.97e-04	0.0	322.5	10.44	-4.49e-05	0.37	132.63	-29.20	
3.049e+06		5	2.525e+06	10.38	-1.07	-2436.56	0.0	-26.88	2436.56	2.00	129.56	-634.29
2.132e+06		2.132e+06	-634.29	4.63e-03	0.0	322.5	-26.88	-3.21e-05	2.00	129.56	10.38	
2.525e+06		7	2.525e+06	617.65	-1.06	-2436.56	0.0	84.77	2436.56	-2.57	122.61	617.65
2.132e+06		2.132e+06	-211.05	-4.03e-03	0.0	322.5	84.77	-3.21e-05	-2.57	122.61	-211.05	
2.525e+06		8	2.290e+06	634.42	-0.97	-2209.99	0.0	84.72	2209.99	-2.62	99.35	634.42
1.933e+06		1.933e+06	-209.13	-4.06e-03	0.0	322.5	84.72	-3.19e-05	-2.62	99.35	-209.13	
2.290e+06		12	2.290e+06	30.29	-0.96	-2209.99	0.0	-59.90	2209.99	1.59	74.65	-482.76
1.933e+06		1.933e+06	-482.76	5.51e-04	0.0	322.5	-59.90	-3.19e-05	1.59	74.65	30.29	
2.290e+06		18	1.192e+06	-460.35	-0.68	-1387.73	0.0	45.89	1250.58	8.45	40.04	-3187.75
1.010e+06		1.010e+06	-3187.75	8.00e-03	0.0	322.5	45.89	-137.15	8.45	40.04	-460.35	
1.190e+06		19	1.686e+06	3048.69	-0.54	-1387.73	0.0	-42.21	1524.89	-8.12	133.63	3048.69
1.418e+06		1.418e+06	427.07	-7.70e-03	0.0	322.5	-42.21	137.15	-8.12	133.63	427.07	
1.686e+06		25	1.282e+06	-489.32	-0.71	-1387.73	0.0	84.56	1302.97	2.55	183.56	-1303.48
1.085e+06		1.085e+06	-1303.48	0.09	0.0	322.5	84.56	-84.76	2.55	183.56	-489.32	
1.281e+06		28	1.594e+06	1164.41	-0.51	-1387.73	0.0	-80.89	1472.49	-2.22	-9.89	1164.41
1.343e+06		1.343e+06	456.04	-0.09	0.0	322.5	-80.89	84.76	-2.22	-9.89	456.04	
1.594e+06		38	1.262e+06	-98.94	-0.57	-1387.73	0.0	-35.51	1286.73	10.03	-157.57	-3340.64
1.070e+06		1.070e+06	-3340.64	-0.02	0.0	322.5	-35.51	-101.01	10.03	-157.57	-98.94	
1.261e+06		39	1.615e+06	3201.57	-0.64	-1387.73	0.0	39.18	1488.74	-9.70	331.24	3201.57
1.359e+06		1.359e+06	65.66	0.02	0.0	322.5	39.18	101.01	-9.70	331.24	65.66	
1.615e+06		50	1.262e+06	-332.75	-0.66	-1387.73	0.0	33.22	1289.96	6.07	53.45	-2291.86

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1.069e+06											
1.261e+06		1.069e+06	-2291.86	5.74e-03	0.0	322.5	33.22	-97.77	6.07	53.45	-332.75
86	51	1.615e+06	2152.79	-0.56	-1387.73	0.0	-29.54	1485.50	-5.74	120.22	2152.79
1.360e+06											
1.615e+06		1.360e+06	299.47	-5.45e-03	0.0	322.5	-29.54	97.77	-5.74	120.22	299.47
86	57	1.327e+06	-353.29	-0.68	-1387.73	0.0	60.80	1327.35	1.86	155.80	-947.32
1.122e+06											
1.326e+06		1.122e+06	-947.32	0.06	0.0	322.5	60.80	-60.39	1.86	155.80	-353.29
86	60	1.549e+06	808.26	-0.54	-1387.73	0.0	-57.13	1448.12	-1.53	17.88	808.26
1.306e+06											
1.549e+06		1.306e+06	320.01	-0.06	0.0	322.5	-57.13	60.39	-1.53	17.88	320.01
86	70	1.312e+06	-75.25	-0.58	-1387.73	0.0	-24.81	1315.70	7.20	-87.44	-2402.12
1.111e+06											
1.312e+06		1.111e+06	-2402.12	-0.02	0.0	322.5	-24.81	-72.03	7.20	-87.44	-75.25
86	71	1.564e+06	2263.06	-0.63	-1387.73	0.0	28.48	1459.77	-6.87	261.12	2263.06
1.317e+06											
1.564e+06		1.317e+06	41.97	0.02	0.0	322.5	28.48	72.03	-6.87	261.12	41.97
86	77	1.787e+06	-18.32	-0.75	-1725.07	0.0	2.53	1725.07	0.25	106.03	-97.92
1.509e+06											
1.787e+06		1.509e+06	-97.92	2.04e-04	0.0	322.5	2.53	-2.15e-05	0.25	106.03	-18.32
86	78	2.137e+06	-20.32	-0.90	-2062.40	0.0	6.98	2062.40	0.27	98.76	-107.40
1.804e+06											
2.137e+06		1.804e+06	-107.40	2.12e-04	0.0	322.5	6.98	-3.00e-05	0.27	98.76	-20.32
86	79	1.787e+06	6.07	-0.75	-1725.07	0.0	-17.90	1725.07	1.35	96.71	-430.31
1.509e+06											
1.787e+06		1.509e+06	-430.31	3.10e-03	0.0	322.5	-17.90	-2.15e-05	1.35	96.71	6.07
86	80	1.787e+06	404.31	-0.75	-1725.07	0.0	56.54	1725.07	-1.69	92.08	404.31
1.509e+06											
1.787e+06		1.509e+06	-141.55	-2.68e-03	0.0	322.5	56.54	-2.15e-05	-1.69	92.08	-141.55
86	82	1.787e+06	18.07	-0.75	-1725.07	0.0	-39.87	1725.07	1.11	75.61	-340.48
1.509e+06											
1.787e+06		1.509e+06	-340.48	4.01e-04	0.0	322.5	-39.87	-2.15e-05	1.11	75.61	18.07
86	83	1.438e+06	-16.60	-0.61	-1387.73	0.0	1.30	1387.73	0.17	90.62	-72.23
1.214e+06											
1.438e+06		1.214e+06	-72.23	1.58e-04	0.0	322.5	1.30	-1.29e-05	0.17	90.62	-16.60
86	84	1.578e+06	-17.38	-0.67	-1522.67	0.0	2.97	1522.67	0.18	88.47	-76.57
1.332e+06											
1.578e+06		1.332e+06	-76.57	1.63e-04	0.0	322.5	2.97	-1.64e-05	0.18	88.47	-17.38
86	86	1.438e+06	-16.64	-0.61	-1387.73	0.0	1.84	1387.73	0.16	86.84	-69.53
1.214e+06											
1.438e+06		1.214e+06	-69.53	1.52e-04	0.0	322.5	1.84	-1.29e-05	0.16	86.84	-16.64
87	2	2.290e+06	56.31	0.98	-2209.99	0.0	2.74	0.0	0.25	120.28	-24.29
2.290e+06											
1.933e+06		1.933e+06	-24.29	-1.75e-04	0.0	322.5	2.74	-2209.99	0.25	120.28	56.31
87	3	3.049e+06	91.88	1.30	-2942.56	0.0	8.83	0.0	0.38	132.63	-29.20
3.049e+06											
2.574e+06		2.574e+06	-29.20	-2.01e-04	0.0	322.5	8.83	-2942.56	0.38	132.63	91.88
87	6	2.290e+06	12.29	0.97	-2209.99	0.0	-30.97	0.0	-1.53	106.29	12.29
2.290e+06											
1.933e+06		1.933e+06	-480.72	2.15e-03	0.0	322.5	-30.97	-2209.99	-1.53	106.29	-480.72

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1.933e+06 87	7	2.525e+06	868.02	1.08	-2436.56	0.0	89.14	0.0	3.35	122.61	-211.05
2.525e+06		2.132e+06	-211.05	-2.71e-03	0.0	322.5	89.14	-2436.56	3.35	122.61	868.02
2.132e+06 87	8	2.290e+06	858.16	0.98	-2209.99	0.0	89.41	0.0	3.31	99.35	-209.13
2.290e+06		1.933e+06	-209.13	-2.70e-03	0.0	322.5	89.41	-2209.99	3.31	99.35	858.16
1.933e+06 87	11	2.525e+06	267.96	1.08	-2436.56	0.0	-142.38	0.0	0.74	97.91	28.38
2.525e+06		2.132e+06	28.38	-2.57e-04	0.0	322.5	-142.38	-2436.56	0.74	97.91	267.96
2.132e+06 87	18	1.191e+06	-460.35	0.69	-1387.73	0.0	-2.62	132.76	-3.29	40.04	-460.35
1.190e+06		1.008e+06	-1522.14	-0.01	0.0	322.5	-2.62	-1254.98	-3.29	40.04	-1522.14
1.008e+06 87	19	1.686e+06	1609.19	0.54	-1387.73	0.0	4.83	-132.76	3.67	133.63	427.07
1.686e+06		1.420e+06	427.07	0.01	0.0	322.5	4.83	-1520.49	3.67	133.63	1609.19
1.420e+06 87	29	1.482e+06	-189.02	0.66	-1387.73	0.0	337.89	-24.05	-7.10	381.77	-189.02
1.482e+06		1.251e+06	-2467.15	-0.04	0.0	322.5	337.89	-1411.78	-7.10	381.77	-2467.15
1.251e+06 87	32	1.394e+06	2554.20	0.56	-1387.73	0.0	-335.67	24.05	7.47	-208.10	155.73
1.394e+06		1.177e+06	155.73	0.04	0.0	322.5	-335.67	-1363.69	7.47	-208.10	2554.20
1.177e+06 87	41	1.493e+06	-209.26	0.66	-1387.73	0.0	234.20	-27.97	-9.46	346.22	-209.26
1.493e+06		1.261e+06	-3253.84	0.06	0.0	322.5	234.20	-1415.70	-9.46	346.22	-3253.84
1.261e+06 87	44	1.383e+06	3340.90	0.57	-1387.73	0.0	-231.99	27.97	9.84	-172.55	175.98
1.383e+06		1.167e+06	175.98	-0.06	0.0	322.5	-231.99	-1359.76	9.84	-172.55	3340.90
1.167e+06 87	50	1.262e+06	-332.75	0.66	-1387.73	0.0	-1.67	94.60	-2.29	53.45	-332.75
1.261e+06		1.067e+06	-1072.20	-7.35e-03	0.0	322.5	-1.67	-1293.13	-2.29	53.45	-1072.20
1.067e+06 87	51	1.615e+06	1159.25	0.56	-1387.73	0.0	3.88	-94.60	2.67	120.22	299.47
1.615e+06		1.361e+06	299.47	7.16e-03	0.0	322.5	3.88	-1482.34	2.67	120.22	1159.25
1.361e+06 87	61	1.469e+06	-139.48	0.65	-1387.73	0.0	241.28	-17.18	-5.01	297.14	-139.48
1.469e+06		1.241e+06	-1747.29	-0.03	0.0	322.5	241.28	-1404.92	-5.01	297.14	-1747.29
1.241e+06 87	64	1.406e+06	1834.34	0.58	-1387.73	0.0	-239.07	17.18	5.38	-123.47	106.20
1.406e+06		1.188e+06	106.20	0.03	0.0	322.5	-239.07	-1370.55	5.38	-123.47	1834.34
1.188e+06 87	73	1.477e+06	-153.86	0.64	-1387.73	0.0	167.33	-19.97	-6.70	271.79	-153.86
1.477e+06		1.248e+06	-2307.70	0.04	0.0	322.5	167.33	-1407.70	-6.70	271.79	-2307.70
1.248e+06 87	76	1.398e+06	2394.75	0.58	-1387.73	0.0	-165.11	19.97	7.07	-98.12	120.58
1.398e+06		1.181e+06	120.58	-0.04	0.0	322.5	-165.11	-1367.77	7.07	-98.12	2394.75
1.181e+06 87	77	1.787e+06	48.49	0.76	-1725.07	0.0	1.52	0.0	0.21	106.03	-18.32
1.787e+06		1.509e+06	-18.32	-1.28e-04	0.0	322.5	1.52	-1725.07	0.21	106.03	48.49
1.509e+06 87	78	2.137e+06	65.64	0.91	-2062.40	0.0	5.76	0.0	0.27	98.76	-20.32

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2.137e+06											
1.804e+06	1.804e+06	-20.32	-1.40e-04	0.0	322.5	5.76	-2062.40	0.27	98.76	65.64	
1.787e+06	79 1.787e+06	6.07	0.76	-1725.07	0.0	-20.95	0.0	-0.98	96.71	6.07	
1.509e+06	1.509e+06	-309.53	1.42e-03	0.0	322.5	-20.95	-1725.07	-0.98	96.71	-309.53	
1.787e+06	80 1.787e+06	583.06	0.76	-1725.07	0.0	59.30	0.0	2.25	92.08	-141.55	
1.509e+06	1.509e+06	-141.55	-1.81e-03	0.0	322.5	59.30	-1725.07	2.25	92.08	583.06	
1.787e+06	82 1.787e+06	183.02	0.76	-1725.07	0.0	-95.04	0.0	0.51	75.61	18.07	
1.509e+06	1.509e+06	18.07	-1.77e-04	0.0	322.5	-95.04	-1725.07	0.51	75.61	183.02	
1.438e+06	83 1.438e+06	41.79	0.61	-1387.73	0.0	0.56	0.0	0.18	90.62	-16.60	
1.214e+06	1.214e+06	-16.60	-1.05e-04	0.0	322.5	0.56	-1387.73	0.18	90.62	41.79	
1.578e+06	84 1.578e+06	48.30	0.67	-1522.67	0.0	2.15	0.0	0.20	88.47	-17.38	
1.332e+06	1.332e+06	-17.38	-1.10e-04	0.0	322.5	2.15	-1522.67	0.20	88.47	48.30	
1.438e+06	86 1.438e+06	43.53	0.61	-1387.73	0.0	1.11	0.0	0.19	86.84	-16.64	
1.214e+06	1.214e+06	-16.64	-1.04e-04	0.0	322.5	1.11	-1387.73	0.19	86.84	43.53	
2.121e+05	5 2.121e+05	1.271e+05	0.06	-3518.80	0.0	-1669.61	-85.32	3.30	1.963e+04	-8.314e+04	
3.828e+05	6 3.828e+05	1.267e+05	0.05	-3155.98	0.0	-1492.24	-74.79	2.31	1.834e+04	-8.318e+04	-
1.902e+05	-3.428e+05	-8.318e+04	-0.06	1297.22	322.5	-1492.24	-3230.78	1299.53	1.834e+04	1.267e+05	-
3.428e+05	8 3.428e+05	4.164e+04	0.05	-3155.98	0.0	-811.46	-39.48	0.44	2.022e+04	4.164e+04	-
1.892e+05	-3.324e+05	-6.281e+04	0.03	-648.61	322.5	-811.46	-3195.46	-648.17	2.022e+04	-6.281e+04	-
3.324e+05	9 3.324e+05	819.50	0.06	-3518.80	0.0	-992.97	-360.07	1.92	1.979e+04	200.07	-
2.109e+05	-4.727e+05	200.07	2.37e-03	0.0	322.5	-992.97	-3878.87	1.92	1.979e+04	819.50	-
4.727e+05	11 4.727e+05	836.59	0.06	-3518.80	0.0	-2722.19	232.94	3.41	1.916e+04	-263.23	-
2.116e+05	-2.807e+05	-263.23	-1.42e-03	0.0	322.5	-2722.19	-3285.86	3.41	1.916e+04	836.59	-
2.807e+05	14 2.807e+05	7.029e+04	0.05	-2507.11	0.0	-5229.58	781.59	466.79	-5.436e+04	-8.047e+04	-
1.553e+05	-5798.68	-8.047e+04	-0.06	0.0	322.5	-5229.58	-1725.53	466.79	-5.436e+04	7.029e+04	-
5798.68	15 5798.68	8.056e+04	0.04	-2507.11	0.0	3643.05	-875.93	-462.99	7.986e+04	8.056e+04	-
1.475e+05	-5.304e+05	-6.898e+04	0.06	0.0	322.5	3643.05	-3383.04	-462.99	7.986e+04	-6.898e+04	-
5.304e+05	38 5.304e+05	1.817e+04	-0.05	-2507.11	0.0	-7830.10	2742.83	114.06	-3.745e+04	-2.879e+04	-
1.390e+05	1.390e+05	-2.879e+04	-0.03	0.0	322.5	-7830.10	235.71	114.06	-3.745e+04	1.817e+04	-
6.236e+05	39 6.236e+05	2.888e+04	0.10	-2507.11	0.0	6243.57	-2837.17	-110.26	6.294e+04	2.888e+04	-
1.638e+05	-1.160e+06	-1.686e+04	0.04	0.0	322.5	6243.57	-5344.28	-110.26	6.294e+04	-1.686e+04	-
1.160e+06	41 1.160e+06	1.631e+04	0.11	-2507.11	0.0	4859.35	-2944.17	121.25	2.312e+04	-1.268e+04	-
1.685e+05	-1.194e+06	-1.268e+04	0.01	0.0	322.5	4859.35	-5451.29	121.25	2.312e+04	1.631e+04	-

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1.194e+06 88	44	6.579e+05	1.277e+04	-0.06	-2507.11	0.0	-6445.88	2849.83	-117.45	2374.66	1.277e+04	
1.343e+05		1.343e+05	-1.500e+04	-0.01	0.0	322.5	-6445.88	342.72	-117.45	2374.66	-1.500e+04	
6.579e+05 88	46	1.715e+05	5.026e+04	0.05	-2507.11	0.0	-3957.98	543.42	332.90	-3.510e+04	-5.726e+04	
1.540e+05		-8.112e+04	-5.726e+04	-0.04	0.0	322.5	-3957.98	-1963.70	332.90	-3.510e+04	5.026e+04	-
8.112e+04 88	47	1.487e+05	5.735e+04	0.04	-2507.11	0.0	2371.45	-637.76	-329.11	6.060e+04	5.735e+04	
1.487e+05		-4.551e+05	-4.894e+04	0.04	0.0	322.5	2371.45	-3144.87	-329.11	6.060e+04	-4.894e+04	-
4.551e+05 88	70	3.871e+05	1.313e+04	-0.03	-2507.11	0.0	-5823.56	1941.97	81.76	-2.304e+04	-2.048e+04	
1.424e+05		1.424e+05	-2.048e+04	-0.02	0.0	322.5	-5823.56	-565.15	81.76	-2.304e+04	1.313e+04	
3.676e+05 88	71	1.603e+05	2.057e+04	0.08	-2507.11	0.0	4237.03	-2036.31	-77.96	4.854e+04	2.057e+04	
1.603e+05		-9.038e+05	-1.182e+04	0.03	0.0	322.5	4237.03	-4543.42	-77.96	4.854e+04	-1.182e+04	-
9.038e+05 88	73	1.636e+05	1.179e+04	0.08	-2507.11	0.0	3251.33	-2112.65	86.69	2.014e+04	-8971.07	
1.636e+05		-9.283e+05	-8971.07	9.37e-03	0.0	322.5	3251.33	-4619.76	86.69	2.014e+04	1.179e+04	-
9.283e+05 88	76	4.063e+05	9059.72	-0.04	-2507.11	0.0	-4837.86	2018.30	-82.90	5351.75	9059.72	
1.392e+05		1.392e+05	-1.048e+04	-8.27e-03	0.0	322.5	-4837.86	-488.81	-82.90	5351.75	-1.048e+04	
3.921e+05 88	79	1.512e+05	8.489e+04	0.04	-2507.11	0.0	-1191.91	-61.56	2.64	1.366e+04	-5.541e+04	
1.512e+05		-2.730e+05	-5.541e+04	-0.04	864.82	322.5	-1191.91	-2568.67	867.45	1.366e+04	8.489e+04	-
2.730e+05 88	80	1.505e+05	2.780e+04	0.04	-2507.11	0.0	-738.06	-38.01	1.39	1.491e+04	2.780e+04	
1.505e+05		-2.660e+05	-4.148e+04	0.02	-432.41	322.5	-738.06	-2545.13	-431.02	1.491e+04	-4.148e+04	-
2.660e+05 88	81	1.503e+05	704.18	0.04	-2507.11	0.0	-740.81	-244.72	1.72	1.377e+04	149.60	
1.503e+05		-3.329e+05	149.60	1.52e-03	0.0	322.5	-740.81	-2751.84	1.72	1.377e+04	704.18	-
3.329e+05 88	82	1.522e+05	715.57	0.04	-2507.11	0.0	-1893.63	150.62	2.71	1.334e+04	-159.26	
1.508e+05		-2.049e+05	-159.26	-1.01e-03	0.0	322.5	-1893.63	-2356.50	2.71	1.334e+04	715.57	-
2.049e+05 88	83	1.518e+05	706.47	0.04	-2507.11	0.0	-907.01	-50.24	2.02	1.307e+04	55.93	
1.518e+05		-2.687e+05	55.93	5.27e-04	0.0	322.5	-907.01	-2557.35	2.02	1.307e+04	706.47	-
2.687e+05 88	85	1.514e+05	656.03	0.04	-2507.11	0.0	-793.27	-47.17	1.90	1.275e+04	44.32	
1.514e+05		-2.681e+05	44.32	5.47e-04	0.0	322.5	-793.27	-2554.29	1.90	1.275e+04	656.03	-
2.681e+05 88	86	1.514e+05	656.03	0.04	-2507.11	0.0	-793.27	-47.17	1.90	1.275e+04	44.32	
1.514e+05		-2.681e+05	44.32	5.47e-04	0.0	322.5	-793.27	-2554.29	1.90	1.275e+04	656.03	-
2.681e+05 89	6	1.892e+05	6.281e+04	0.05	-3155.98	0.0	-811.46	-39.48	-0.44	-2.022e+04	-4.164e+04	
1.892e+05		-3.324e+05	-4.164e+04	-0.03	648.61	322.5	-811.46	-3195.46	648.17	-2.022e+04	6.281e+04	-
3.324e+05 89	7	2.121e+05	8.314e+04	0.06	-3518.80	0.0	-1669.61	-85.32	-3.30	-1.963e+04	8.314e+04	
2.121e+05		-3.828e+05	-1.271e+05	0.07	-1297.22	322.5	-1669.61	-3604.12	-1300.52	-1.963e+04	-1.271e+05	-
3.828e+05 89	8	1.902e+05	8.318e+04	0.05	-3155.98	0.0	-1492.24	-74.79	-2.31	-1.834e+04	8.318e+04	

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2.730e+05 89	81	1.503e+05	-149.60	0.04	-2507.11	0.0	-740.81	-244.72	-1.72	-1.377e+04	-149.60
1.503e+05		-3.329e+05	-704.18	-1.52e-03	0.0	322.5	-740.81	-2751.84	-1.72	-1.377e+04	-704.18
3.329e+05 89	82	1.522e+05	159.26	0.04	-2507.11	0.0	-1893.63	150.62	-2.71	-1.334e+04	159.26
1.508e+05		-2.049e+05	-715.57	1.01e-03	0.0	322.5	-1893.63	-2356.50	-2.71	-1.334e+04	-715.57
2.049e+05 89	83	1.518e+05	-55.93	0.04	-2507.11	0.0	-907.01	-50.24	-2.02	-1.307e+04	-55.93
1.518e+05		-2.687e+05	-706.47	-5.27e-04	0.0	322.5	-907.01	-2557.35	-2.02	-1.307e+04	-706.47
2.687e+05 89	85	1.514e+05	-44.32	0.04	-2507.11	0.0	-793.27	-47.17	-1.90	-1.275e+04	-44.32
1.514e+05		-2.681e+05	-656.03	-5.47e-04	0.0	322.5	-793.27	-2554.29	-1.90	-1.275e+04	-656.03
2.681e+05 89	86	1.514e+05	-44.32	0.04	-2507.11	0.0	-793.27	-47.17	-1.90	-1.275e+04	-44.32
1.514e+05		-2.681e+05	-656.03	-5.47e-04	0.0	322.5	-793.27	-2554.29	-1.90	-1.275e+04	-656.03
2.681e+05 90	5	2.683e+05	2.726e+04	0.02	-3886.22	0.0	-979.13	-135.21	-452.48	-6.376e+04	2.726e+04
2.683e+05		-4.019e+05	-1.510e+04	3.78e-03	778.64	322.5	-979.13	-4021.42	326.16	-6.376e+04	6889.35
4.019e+05 90	6	2.176e+05	2.726e+04	0.01	-3157.25	0.0	-931.97	-116.95	-452.64	-5.224e+04	2.726e+04
2.176e+05		-3.292e+05	-1.512e+04	3.77e-03	778.64	322.5	-931.97	-3274.20	326.00	-5.224e+04	6842.74
3.292e+05 90	8	2.001e+05	9081.82	7.73e-03	-3157.25	0.0	451.96	-94.25	226.82	-5.685e+04	-1.220e+04
2.001e+05		-3.394e+05	-1.220e+04	-2.58e-03	-389.32	322.5	451.96	-3251.51	-162.50	-5.685e+04	-1830.17
3.394e+05 90	9	2.373e+05	3256.84	0.02	-3886.22	0.0	-309.60	-316.07	10.13	-8.189e+04	-9.41
2.373e+05		-4.913e+05	-9.41	4.12e-04	0.0	322.5	-309.60	-4202.29	10.13	-8.189e+04	3256.84
4.913e+05 90	11	2.905e+05	1085.42	0.01	-3886.22	0.0	-262.25	66.24	-18.35	-4.968e+04	1085.42
2.905e+05		-3.148e+05	-4833.14	3.56e-04	0.0	322.5	-262.25	-3819.98	-18.35	-4.968e+04	-4833.14
3.148e+05 90	14	3.524e+05	6309.41	0.02	-2746.13	0.0	-3949.59	366.18	-137.94	3.923e+04	6309.41
3.487e+05		-8867.80	-4.304e+04	0.01	0.0	322.5	-3949.59	-2379.95	-137.94	3.923e+04	-4.304e+04
8867.80 90	15	3.123e+04	4.375e+04	-7.12e-03	-2746.13	0.0	3564.70	-537.53	139.48	-1.294e+05	-6102.06
3.123e+04		-5.521e+05	-6102.06	-0.01	0.0	322.5	3564.70	-3283.65	139.48	-1.294e+05	4.375e+04
5.521e+05 90	22	3.377e+05	6026.97	0.03	-2746.13	0.0	-3803.41	-75.04	-166.44	5.144e+04	6026.97
3.332e+05		-1.837e+04	-5.586e+04	0.08	0.0	322.5	-3803.41	-2821.17	-166.44	5.144e+04	-5.586e+04
1.837e+04 90	23	4.669e+04	5.657e+04	-0.01	-2746.13	0.0	3418.53	-96.30	167.99	-1.416e+05	-5819.62
4.669e+04		-5.426e+05	-5819.62	-0.08	0.0	322.5	3418.53	-2842.43	167.99	-1.416e+05	5.657e+04
5.426e+05 90	38	5.191e+05	3121.64	-0.02	-2746.13	0.0	-1836.06	1424.70	0.88	9.426e+04	3121.64
4.061e+05		4.061e+05	1297.25	-0.04	0.0	322.5	-1836.06	-1321.42	0.88	9.426e+04	1297.25
4.107e+05 90	39	-2.618e+04	-591.12	0.04	-2746.13	0.0	1451.17	-1596.05	0.66	-1.845e+05	-2914.30
2.618e+04		-9.716e+05	-2914.30	0.04	0.0	322.5	1451.17	-4342.18	0.66	-1.845e+05	-591.12
9.716e+05 90	46	3.047e+05	4464.79	0.02	-2746.13	0.0	-2870.25	236.33	-97.98	1.502e+04	4464.79

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3.292e+05												
91	9	2.373e+05	9.41	0.02	-3886.22	0.0	-309.60	-316.07	-10.13	8.189e+04	9.41	
2.373e+05												
		-4.913e+05	-3256.84	-4.12e-04	0.0	322.5	-309.60	-4202.29	-10.13	8.189e+04	-3256.84	-
4.913e+05												
91	11	2.905e+05	4833.14	0.01	-3886.22	0.0	-262.25	66.24	18.35	4.968e+04	-1085.42	
2.905e+05												
		-3.148e+05	-1085.42	-3.56e-04	0.0	322.5	-262.25	-3819.98	18.35	4.968e+04	4833.14	-
3.148e+05												
91	17	3.123e+04	6102.06	-7.12e-03	-2746.13	0.0	3564.70	-537.53	-139.48	1.294e+05	6102.06	
3.123e+04												
		-5.521e+05	-4.375e+04	0.01	0.0	322.5	3564.70	-3283.65	-139.48	1.294e+05	-4.375e+04	-
5.521e+05												
91	20	3.524e+05	4.304e+04	0.02	-2746.13	0.0	-3949.59	366.18	137.94	-3.923e+04	-6309.41	
3.487e+05												
		-8867.80	-6309.41	-0.01	0.0	322.5	-3949.59	-2379.95	137.94	-3.923e+04	4.304e+04	-
8867.80												
91	25	4.669e+04	5819.62	-0.01	-2746.13	0.0	3418.53	-96.30	-167.99	1.416e+05	5819.62	
4.669e+04												
		-5.426e+05	-5.657e+04	0.08	0.0	322.5	3418.53	-2842.43	-167.99	1.416e+05	-5.657e+04	-
5.426e+05												
91	28	3.377e+05	5.586e+04	0.03	-2746.13	0.0	-3803.41	-75.04	166.44	-5.144e+04	-6026.97	
3.332e+05												
		-1.837e+04	-6026.97	-0.08	0.0	322.5	-3803.41	-2821.17	166.44	-5.144e+04	5.586e+04	-
1.837e+04												
91	29	-2.618e+04	2914.30	0.04	-2746.13	0.0	1451.17	-1596.05	-0.66	1.845e+05	2914.30	-
2.618e+04												
		-9.716e+05	591.12	-0.04	0.0	322.5	1451.17	-4342.18	-0.66	1.845e+05	591.12	-
9.716e+05												
91	32	5.191e+05	-1297.25	-0.02	-2746.13	0.0	-1836.06	1424.70	-0.88	-9.426e+04	-3121.64	
4.061e+05												
		4.061e+05	-3121.64	0.04	0.0	322.5	-1836.06	-1321.42	-0.88	-9.426e+04	-1297.25	
4.107e+05												
91	49	7.678e+04	4257.45	-2.67e-03	-2746.13	0.0	2485.36	-407.67	-99.53	1.052e+05	4257.45	
7.678e+04												
		-4.741e+05	-3.128e+04	9.59e-03	0.0	322.5	2485.36	-3153.80	-99.53	1.052e+05	-3.128e+04	-
4.741e+05												
91	52	3.047e+05	3.057e+04	0.02	-2746.13	0.0	-2870.25	236.33	97.98	-1.502e+04	-4464.79	
3.031e+05												
		-8.684e+04	-4464.79	-9.82e-03	0.0	322.5	-2870.25	-2509.80	97.98	-1.502e+04	3.057e+04	-
8.684e+04												
91	57	8.781e+04	4027.29	-8.28e-03	-2746.13	0.0	2380.54	-93.47	-119.87	1.139e+05	4027.29	
8.781e+04												
		-4.673e+05	-4.043e+04	0.05	0.0	322.5	2380.54	-2839.59	-119.87	1.139e+05	-4.043e+04	-
4.673e+05												
91	60	2.939e+05	3.972e+04	0.03	-2746.13	0.0	-2765.43	-77.88	118.33	-2.373e+04	-4234.64	
2.921e+05												
		-9.363e+04	-4234.64	-0.05	0.0	322.5	-2765.43	-2824.01	118.33	-2.373e+04	3.972e+04	-
9.363e+04												
91	61	3.585e+04	2028.57	0.03	-2746.13	0.0	980.94	-1162.66	-0.65	1.445e+05	2028.57	
3.585e+04												
		-7.733e+05	324.27	-0.03	0.0	322.5	980.94	-3908.79	-0.65	1.445e+05	324.27	-
7.733e+05												
91	64	3.984e+05	-1030.40	-0.01	-2746.13	0.0	-1365.82	991.31	-0.89	-5.427e+04	-2235.91	
3.441e+05												
		2.123e+05	-2235.91	0.03	0.0	322.5	-1365.82	-1754.82	-0.89	-5.427e+04	-1030.40	
2.123e+05												
91	79	1.898e+05	8140.07	8.74e-03	-2914.80	0.0	248.91	-83.13	-151.39	5.070e+04	8140.07	
1.898e+05												
		-3.071e+05	-6081.08	1.72e-03	259.55	322.5	248.91	-2997.92	108.16	5.070e+04	1168.32	-
3.071e+05												
91	80	2.015e+05	1.005e+04	0.01	-2914.80	0.0	-673.71	-98.25	301.58	4.763e+04	-1.817e+04	
2.015e+05												
		-3.002e+05	-1.817e+04	-2.52e-03	-519.10	322.5	-673.71	-3013.05	-217.51	4.763e+04	-4613.62	-
3.002e+05												
91	81	1.807e+05	8.65	0.01	-2914.80	0.0	-227.36	-218.83	-6.82	5.971e+04	8.65	

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1.807e+05												
	-3.598e+05	-2191.95	-2.82e-04	0.0	322.5	-227.36	-3133.63	-6.82	5.971e+04	-2191.95	-	
3.598e+05												
91	82 2.162e+05	3201.38	9.15e-03	-2914.80	0.0	-195.79	36.04	12.16	3.824e+04	-721.24		
2.162e+05												
	-2.421e+05	-721.24	-2.40e-04	0.0	322.5	-195.79	-2878.75	12.16	3.824e+04	3201.38	-	
2.421e+05												
91	83 1.946e+05	-114.38	8.98e-03	-2746.13	0.0	-209.40	-88.18	-0.66	4.704e+04	-114.38		
1.946e+05												
	-2.767e+05	-327.07	-1.61e-04	0.0	322.5	-209.40	-2834.31	-0.66	4.704e+04	-327.07	-	
2.767e+05												
91	84 1.906e+05	-108.05	8.84e-03	-2813.59	0.0	-173.05	-86.73	-0.83	4.582e+04	-108.05		
1.906e+05												
	-2.911e+05	-375.44	-1.63e-04	0.0	322.5	-173.05	-2900.33	-0.83	4.582e+04	-375.44	-	
2.911e+05												
91	85 1.900e+05	-103.67	8.38e-03	-2746.13	0.0	-192.44	-85.67	-0.77	4.510e+04	-103.67		
1.900e+05												
	-2.805e+05	-353.07	-1.55e-04	0.0	322.5	-192.44	-2831.80	-0.77	4.510e+04	-353.07	-	
2.805e+05												
91	86 1.900e+05	-103.67	8.38e-03	-2746.13	0.0	-192.44	-85.67	-0.77	4.510e+04	-103.67		
1.900e+05												
	-2.805e+05	-353.07	-1.55e-04	0.0	322.5	-192.44	-2831.80	-0.77	4.510e+04	-353.07	-	
2.805e+05												
92	3 2.542e+06	135.14	-5.76	-4458.85	0.0	115.45	7363.86	-0.40	76.67	135.14	0.0	
	0.0	-64.75	7.85e-04	0.0	495.0	115.45	2905.01	-0.40	76.67	-64.75		
2.542e+06												
92	4 2.345e+06	119.92	-5.32	-4114.43	0.0	103.66	6795.05	-0.36	62.47	119.92	0.0	
	0.0	-57.84	7.04e-04	0.0	495.0	103.66	2680.62	-0.36	62.47	-57.84		
2.345e+06												
92	5 2.105e+06	969.11	-4.78	-3693.33	0.0	93.05	6099.59	-3.01	78.81	969.11	0.0	
	0.0	-522.59	0.01	0.0	495.0	93.05	2406.26	-3.01	78.81	-522.59		
2.105e+06												
92	8 1.909e+06	501.81	-4.33	-3348.92	0.0	61.53	5530.79	2.74	52.45	-855.11	0.0	
	0.0	-855.11	-0.01	0.0	495.0	61.53	2181.87	2.74	52.45	501.81		
1.909e+06												
92	10 1.909e+06	5.35	-4.34	-3348.92	0.0	8.87	5530.79	0.59	77.21	-288.45	0.0	
	0.0	-288.45	1.59e-03	0.0	495.0	8.87	2181.87	0.59	77.21	5.35		
1.909e+06												
92	19 1.312e+06	2933.62	-2.58	-2104.95	0.0	71.81	3702.00	17.03	54.85	-5534.49	0.0	
	0.0	-5534.49	6.12e-03	0.0	495.0	71.81	1597.05	17.03	54.85	2933.62		
1.312e+06												
92	22 1.100e+06	9004.42	-2.85	-2104.95	0.0	24.34	3275.61	-25.32	91.29	9004.42	0.0	
	0.0	-3556.20	0.18	0.0	495.0	24.34	1170.66	-25.32	91.29	-3556.20		
1.100e+06												
92	23 1.299e+06	3487.69	-2.60	-2104.95	0.0	62.47	3677.10	24.91	10.04	-8866.83	0.0	
	0.0	-8866.83	-0.18	0.0	495.0	62.47	1572.15	24.91	10.04	3487.69		
1.299e+06												
92	31 1.290e+06	1588.19	-2.81	-2104.95	0.0	138.56	3659.03	14.04	173.85	-5374.08	0.0	
	0.0	-5374.08	-0.17	0.0	495.0	138.56	1554.08	14.04	173.85	1588.19		
1.290e+06												
92	37 1.242e+06	-289.88	-2.94	-2104.95	0.0	230.96	3562.39	-0.76	251.06	-289.88	0.0	
	0.0	-590.02	0.18	0.0	495.0	230.96	1457.44	-0.76	251.06	-590.02		
1.242e+06												
92	40 1.157e+06	521.51	-2.50	-2104.95	0.0	-144.15	3390.33	0.34	-149.74	427.46	0.0	
	0.0	427.46	-0.18	0.0	495.0	-144.15	1285.38	0.34	-149.74	521.51		
1.157e+06												
92	51 1.279e+06	2080.90	-2.62	-2104.95	0.0	63.70	3637.20	12.08	53.67	-3925.32	0.0	
	0.0	-3925.32	4.38e-03	0.0	495.0	63.70	1532.25	12.08	53.67	2080.90		
1.279e+06												
92	54 1.129e+06	6438.32	-2.81	-2104.95	0.0	29.64	3333.30	-18.11	79.62	6438.32	0.0	
	0.0	-2544.19	0.13	0.0	495.0	29.64	1228.35	-18.11	79.62	-2544.19		
1.129e+06												
92	55 1.271e+06	2475.68	-2.63	-2104.95	0.0	57.17	3619.42	17.69	21.70	-6300.74	0.0	
	0.0	-6300.74	-0.13	0.0	495.0	57.17	1514.47	17.69	21.70	2475.68		
1.271e+06												
92	63 1.264e+06	1122.24	-2.78	-2104.95	0.0	111.36	3606.59	9.95	138.51	-3811.78	0.0	

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		0.0	-3811.78	-0.12	0.0	495.0	111.36	1501.64	9.95	138.51	1122.24	
1.264e+06												
92	69	1.230e+06	-188.01	-2.88	-2104.95	0.0	177.22	3537.71	-0.60	193.55	-188.01 0.0	
		0.0	-430.17	0.13	0.0	495.0	177.22	1432.76	-0.60	193.55	-430.17	
1.230e+06												
92	72	1.169e+06	361.66	-2.57	-2104.95	0.0	-90.41	3415.00	0.18	-92.23	325.60 0.0	
		0.0	325.60	-0.13	0.0	495.0	-90.41	1310.05	0.18	-92.23	361.66	
1.169e+06												
92	78	1.782e+06	96.86	-4.04	-3125.64	0.0	82.21	5162.04	-0.29	57.42	96.86 0.0	
		0.0	-46.24	5.59e-04	0.0	495.0	82.21	2036.40	-0.29	57.42	-46.24	
1.782e+06												
92	79	1.491e+06	652.84	-3.38	-2615.30	0.0	67.27	4319.20	-2.03	58.85	652.84 0.0	
		0.0	-351.46	7.96e-03	0.0	495.0	67.27	1703.90	-2.03	58.85	-351.46	
1.491e+06												
92	80	1.491e+06	326.86	-3.38	-2615.30	0.0	54.12	4319.20	1.78	50.74	-553.15 0.0	
		0.0	-553.15	-7.48e-03	0.0	495.0	54.12	1703.90	1.78	50.74	326.86	
1.491e+06												
92	81	1.491e+06	-4.11	-3.38	-2615.30	0.0	19.01	4319.20	0.35	67.25	-175.38 0.0	
		0.0	-175.38	1.15e-03	0.0	495.0	19.01	1703.90	0.35	67.25	-4.11	
1.491e+06												
92	83	1.200e+06	69.78	-2.72	-2104.95	0.0	41.59	3476.36	-0.21	52.85	69.78 0.0	
		0.0	-35.53	4.73e-04	0.0	495.0	41.59	1371.41	-0.21	52.85	-35.53	
1.200e+06												
92	84	1.316e+06	74.21	-2.99	-2309.09	0.0	51.53	3813.49	-0.22	51.58	74.21 0.0	
		0.0	-36.40	4.62e-04	0.0	495.0	51.53	1504.41	-0.22	51.58	-36.40	
1.316e+06												
92	86	1.200e+06	68.79	-2.72	-2104.95	0.0	43.41	3476.36	-0.21	50.66	68.79 0.0	
		0.0	-34.26	4.45e-04	0.0	495.0	43.41	1371.41	-0.21	50.66	-34.26	
1.200e+06												
93	2	1.909e+06	53.94	4.37	-3348.92	0.0	-12.69	-2181.87	-0.47	68.87	53.94	
1.909e+06												
		0.0	-177.96	-2.09e-04	0.0	495.0	-12.69	-5530.79	-0.47	68.87	-177.96 0.0	
	93	3	2.542e+06	36.99	5.81	-4458.85	0.0	6.46	-2905.01	-0.33	76.67	36.99
2.542e+06												
		0.0	-126.90	-2.53e-04	0.0	495.0	6.46	-7363.86	-0.33	76.67	-126.90 0.0	
	93	10	1.909e+06	617.61	4.36	-3348.92	0.0	127.74	-2181.87	1.50	77.21	-125.98
1.909e+06												
		0.0	-125.98	8.15e-04	0.0	495.0	127.74	-5530.79	1.50	77.21	617.61 0.0	
	93	11	2.105e+06	308.33	4.82	-3693.33	0.0	-320.10	-2406.26	-3.20	56.35	308.33
2.105e+06												
		0.0	-1274.31	-1.44e-03	0.0	495.0	-320.10	-6099.59	-3.20	56.35	-1274.31 0.0	
	93	19	1.312e+06	2336.81	2.61	-2104.95	0.0	95.92	-1599.04	-12.21	54.85	2336.81
1.312e+06												
		0.0	-3720.67	0.04	0.0	495.0	95.92	-3703.99	-12.21	54.85	-3720.67 0.0	
	93	29	1.236e+06	5884.48	2.90	-2104.95	0.0	681.12	-1445.41	15.13	204.63	-1614.27
1.236e+06												
		0.0	-1614.27	-0.07	0.0	495.0	681.12	-3550.36	15.13	204.63	5884.48 0.0	
	93	32	1.163e+06	1664.93	2.59	-2104.95	0.0	-687.48	-1297.40	-15.51	-103.31	1664.93
1.163e+06												
		0.0	-6021.81	0.07	0.0	495.0	-687.48	-3402.35	-15.51	-103.31	-6021.81 0.0	
	93	33	1.240e+06	5392.44	2.89	-2104.95	0.0	698.74	-1451.60	13.59	213.90	-1435.52
1.240e+06												
		0.0	-1435.52	-0.04	0.0	495.0	698.74	-3556.56	13.59	213.90	5392.44 0.0	
	93	36	1.160e+06	1486.18	2.59	-2104.95	0.0	-705.11	-1291.21	-13.97	-112.58	1486.18
1.160e+06												
		0.0	-5529.77	0.04	0.0	495.0	-705.11	-3396.16	-13.97	-112.58	-5529.77 0.0	
	93	37	1.243e+06	4002.18	2.91	-2104.95	0.0	459.84	-1459.44	10.56	251.06	-1236.99
1.243e+06												
		0.0	-1236.99	0.07	0.0	495.0	459.84	-3564.39	10.56	251.06	4002.18 0.0	
	93	51	1.280e+06	1672.71	2.65	-2104.95	0.0	67.69	-1533.67	-8.76	53.67	1672.71
1.280e+06												
		0.0	-2670.94	0.03	0.0	495.0	67.69	-3638.62	-8.76	53.67	-2670.94 0.0	
	93	61	1.226e+06	4175.84	2.86	-2104.95	0.0	484.67	-1424.18	10.73	160.45	-1143.56
1.226e+06												
		0.0	-1143.56	-0.05	0.0	495.0	484.67	-3529.13	10.73	160.45	4175.84 0.0	
	93	64	1.174e+06	1194.23	2.63	-2104.95	0.0	-491.03	-1318.63	-11.11	-59.13	1194.23

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1.280e+06		1.280e+06	158.20	6.83e-03	0.0	322.5	58.41	-1403.76	4.71	53.67	1672.71
95	65	1.455e+06	3.48	0.63	-1371.41	0.0	313.61	40.33	-3.17	167.06	3.48
1.455e+06		1.228e+06	-1015.92	-0.01	0.0	322.5	313.61	-1331.07	-3.17	167.06	-1015.92
1.228e+06		1.387e+06	1066.58	0.59	-1371.41	0.0	-295.63	-40.33	3.40	-65.74	-28.69
95	68	1.172e+06	-28.69	0.01	0.0	322.5	-295.63	-1411.74	3.40	-65.74	1066.58
1.387e+06		1.765e+06	43.56	0.76	-1703.90	0.0	9.11	0.0	0.19	61.69	-17.72
1.172e+06		1.491e+06	-17.72	-8.39e-05	0.0	322.5	9.11	-1703.90	0.19	61.69	43.56
95	77	2.110e+06	27.70	0.91	-2036.40	0.0	23.03	0.0	0.13	57.42	-14.14
1.765e+06		1.782e+06	-14.14	-8.08e-05	0.0	322.5	23.03	-2036.40	0.13	57.42	27.70
1.491e+06		1.765e+06	-29.61	0.76	-1703.90	0.0	15.50	0.0	-0.63	58.85	-29.61
95	79	1.491e+06	-233.23	1.42e-03	0.0	322.5	15.50	-1703.90	-0.63	58.85	-233.23
2.110e+06		1.765e+06	351.42	0.76	-1703.90	0.0	19.46	0.0	1.19	50.74	-33.01
1.782e+06		1.491e+06	-33.01	-1.61e-03	0.0	322.5	19.46	-1703.90	1.19	50.74	351.42
95	80	1.765e+06	1.30	0.76	-1703.90	0.0	47.66	0.0	-0.24	67.25	1.30
1.491e+06		1.491e+06	-76.39	-1.23e-04	0.0	322.5	47.66	-1703.90	-0.24	67.25	-76.39
95	81	1.765e+06	208.59	0.76	-1703.90	0.0	-124.02	0.0	0.77	43.88	-41.10
1.765e+06		1.491e+06	-41.10	-1.55e-04	0.0	322.5	-124.02	-1703.90	0.77	43.88	208.59
1.491e+06		1.421e+06	30.20	0.61	-1371.41	0.0	7.02	0.0	0.14	52.85	-13.85
95	83	1.200e+06	-13.85	-6.94e-05	0.0	322.5	7.02	-1371.41	0.14	52.85	30.20
1.421e+06		1.559e+06	24.83	0.67	-1504.41	0.0	12.19	0.0	0.12	51.58	-12.66
1.200e+06		1.316e+06	-12.66	-6.91e-05	0.0	322.5	12.19	-1504.41	0.12	51.58	24.83
95	84	1.421e+06	25.33	0.61	-1371.41	0.0	8.99	0.0	0.12	50.66	-12.60
1.559e+06		1.200e+06	-12.60	-6.67e-05	0.0	322.5	8.99	-1371.41	0.12	50.66	25.33
1.316e+06		2.509e+06	248.02	-5.68	-4401.21	0.0	-4.47	7268.67	-0.68	41.92	248.02 0.0
95	3	0.0	-90.08	5.09e-04	0.0	495.0	-4.47	2867.46	-0.68	41.92	-90.08
2.509e+06		2.314e+06	221.72	-5.25	-4060.14	0.0	-4.05	6705.38	-0.61	33.60	221.72 0.0
96	4	0.0	-80.65	4.56e-04	0.0	495.0	-4.05	2645.24	-0.61	33.60	-80.65
2.314e+06		1.884e+06	377.20	-4.27	-3305.76	0.0	1.79	5459.51	1.88	29.49	-551.46 0.0
96	8	0.0	-551.46	-0.01	0.0	495.0	1.79	2153.75	1.88	29.49	377.20
1.884e+06		2.079e+06	58.55	-4.71	-3646.83	0.0	-132.01	6022.80	0.88	48.83	-378.39 0.0
96	9	0.0	-378.39	1.29e-03	0.0	495.0	-132.01	2375.97	0.88	48.83	58.55
2.079e+06		2.079e+06	925.00	-4.71	-3646.83	0.0	17.17	6022.80	-2.37	32.15	925.00 0.0
96	11	0.0	-246.58	-1.70e-03	0.0	495.0	17.17	2375.97	-2.37	32.15	-246.58
2.079e+06		1.884e+06	898.70	-4.27	-3305.76	0.0	17.60	5459.51	-2.29	23.83	898.70 0.0
96	12	0.0	-237.14	-1.68e-03	0.0	495.0	17.60	2153.75	-2.29	23.83	-237.14
1.884e+06		1.230e+06	1255.91	-2.78	-2079.89	0.0	-337.22	3525.68	10.15	111.28	-3776.06 0.0
96	31	0.0	-3776.06	-0.17	0.0	495.0	-337.22	1445.78	10.15	111.28	1255.91

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		0.0	-864.52	1.83e-03	0.0	495.0	8.70	-6022.80	-2.73	37.81	-864.52	0.0
97	9	2.079e+06	394.59	4.76	-3646.83	0.0	88.59	-2375.97	0.95	48.83	-75.44	
2.079e+06												
		0.0	-75.44	5.74e-04	0.0	495.0	88.59	-6022.80	0.95	48.83	394.59	0.0
97	12	1.884e+06	120.72	4.31	-3305.76	0.0	-214.98	-2153.75	-1.47	23.83	120.72	
1.884e+06												
		0.0	-605.22	-1.02e-03	0.0	495.0	-214.98	-5459.51	-1.47	23.83	-605.22	0.0
97	33	1.255e+06	3663.06	2.84	-2079.89	0.0	502.93	-1495.61	9.78	121.62	-1218.04	
1.255e+06												
		0.0	-1218.04	-0.04	0.0	495.0	502.93	-3575.50	9.78	121.62	3663.06	0.0
97	36	1.116e+06	1253.55	2.59	-2079.89	0.0	-499.67	-1214.55	-10.07	-65.93	1253.55	
1.116e+06												
		0.0	-3772.15	0.04	0.0	495.0	-499.67	-3294.44	-10.07	-65.93	-3772.15	0.0
97	37	1.262e+06	7353.34	2.86	-2079.89	0.0	384.04	-1508.63	19.52	104.67	-2311.10	
1.262e+06												
		0.0	-2311.10	0.06	0.0	495.0	384.04	-3588.52	19.52	104.67	7353.34	0.0
97	41	1.260e+06	7361.67	2.85	-2079.89	0.0	393.75	-1505.77	19.65	102.38	-2369.92	
1.260e+06												
		0.0	-2369.92	0.09	0.0	495.0	393.75	-3585.66	19.65	102.38	7361.67	0.0
97	44	1.111e+06	2405.43	2.58	-2079.89	0.0	-390.49	-1204.40	-19.94	-46.68	2405.43	
1.111e+06												
		0.0	-7470.76	-0.09	0.0	495.0	-390.49	-3284.29	-19.94	-46.68	-7470.76	0.0
97	65	1.235e+06	2597.71	2.81	-2079.89	0.0	359.17	-1455.27	6.93	94.71	-863.83	
1.235e+06												
		0.0	-863.83	-0.03	0.0	495.0	359.17	-3535.16	6.93	94.71	2597.71	0.0
97	68	1.136e+06	899.34	2.62	-2079.89	0.0	-355.91	-1254.89	-7.23	-39.01	899.34	
1.136e+06												
		0.0	-2706.81	0.03	0.0	495.0	-355.91	-3334.78	-7.23	-39.01	-2706.81	0.0
97	69	1.240e+06	5228.15	2.82	-2079.89	0.0	274.37	-1464.55	13.88	82.62	-1642.77	
1.240e+06												
		0.0	-1642.77	0.05	0.0	495.0	274.37	-3544.44	13.88	82.62	5228.15	0.0
97	73	1.239e+06	5234.12	2.81	-2079.89	0.0	281.31	-1462.51	13.97	80.98	-1684.67	
1.239e+06												
		0.0	-1684.67	0.07	0.0	495.0	281.31	-3542.40	13.97	80.98	5234.12	0.0
97	76	1.132e+06	1720.18	2.62	-2079.89	0.0	-278.05	-1247.65	-14.26	-25.28	1720.18	
1.132e+06												
		0.0	-5343.21	-0.07	0.0	495.0	-278.05	-3327.54	-14.26	-25.28	-5343.21	0.0
97	78	1.759e+06	25.16	4.03	-3085.73	0.0	3.71	-2010.40	-0.24	31.64	25.16	
1.759e+06												
		0.0	-92.49	-1.19e-04	0.0	495.0	3.71	-5096.13	-0.24	31.64	-92.49	0.0
97	79	1.472e+06	395.84	3.37	-2582.81	0.0	2.05	-1682.74	1.30	31.61	-249.36	
1.472e+06												
		0.0	-249.36	-8.37e-04	0.0	495.0	2.05	-4265.55	1.30	31.61	395.84	0.0
97	80	1.472e+06	326.00	3.37	-2582.81	0.0	6.08	-1682.74	-1.84	28.90	326.00	
1.472e+06												
		0.0	-583.62	1.23e-03	0.0	495.0	6.08	-4265.55	-1.84	28.90	-583.62	0.0
97	81	1.472e+06	255.78	3.37	-2582.81	0.0	59.34	-1682.74	0.61	36.25	-47.92	
1.472e+06												
		0.0	-47.92	3.85e-04	0.0	495.0	59.34	-4265.55	0.61	36.25	255.78	0.0
97	82	1.472e+06	86.40	3.37	-2582.81	0.0	-142.62	-1682.74	-1.03	25.13	86.40	
1.472e+06												
		0.0	-421.67	-6.71e-04	0.0	495.0	-142.62	-4265.55	-1.03	25.13	-421.67	0.0
97	83	1.186e+06	16.16	2.72	-2079.89	0.0	0.91	-1355.08	-0.13	29.12	16.16	
1.186e+06												
		0.0	-50.13	5.58e-05	0.0	495.0	0.91	-3434.97	-0.13	29.12	-50.13	0.0
97	84	1.300e+06	19.56	2.98	-2281.06	0.0	2.19	-1486.14	-0.17	28.35	19.56	
1.300e+06												
		0.0	-63.02	7.14e-05	0.0	495.0	2.19	-3767.20	-0.17	28.35	-63.02	0.0
97	86	1.186e+06	17.76	2.72	-2079.89	0.0	1.63	-1355.08	-0.15	27.85	17.76	
1.186e+06												
		0.0	-54.55	6.51e-05	0.0	495.0	1.63	-3434.97	-0.15	27.85	-54.55	0.0
98	2	2.232e+06	-0.86	-0.93	-2153.75	0.0	0.61	2153.75	0.23	37.42	-75.93	
1.884e+06												
		1.884e+06	-75.93	1.17e-04	0.0	322.5	0.61	-2.58e-05	0.23	37.42	-0.86	
2.232e+06												
98	3	2.971e+06	-3.87	-1.24	-2867.46	0.0	11.24	2867.46	0.27	41.92	-90.08	

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2.509e+06		2.509e+06	-90.08	1.39e-04	0.0	322.5	11.24	-2.41e-05	0.27	41.92	-3.87
2.971e+06		2.971e+06	-55.35	-1.03	-2375.97	0.0	7.28	2375.97	1.27	41.87	-465.83
2.079e+06	5	2.462e+06	-465.83	4.65e-03	0.0	322.5	7.28	-2.96e-05	1.27	41.87	-55.35
2.462e+06		2.462e+06	367.77	-1.03	-2375.97	0.0	13.95	2375.97	-1.07	37.81	367.77
2.079e+06	7	2.079e+06	21.20	-4.46e-03	0.0	322.5	13.95	-2.96e-05	-1.07	37.81	21.20
2.462e+06		2.462e+06	377.20	-0.93	-2153.75	0.0	12.74	2153.75	-1.10	29.49	377.20
1.884e+06	8	2.232e+06	21.65	-4.47e-03	0.0	322.5	12.74	-2.58e-05	-1.10	29.49	21.65
2.232e+06		2.232e+06	16.87	-0.93	-2153.75	0.0	-77.71	2153.75	0.79	23.83	-237.14
1.884e+06	12	1.884e+06	-237.14	2.61e-04	0.0	322.5	-77.71	-2.58e-05	0.79	23.83	16.87
2.232e+06		2.232e+06	-320.72	-0.60	-1355.08	0.0	0.24	1370.66	8.13	27.78	-2942.80
1.209e+06	18	1.432e+06	-2942.80	7.60e-03	0.0	322.5	0.24	15.58	8.13	27.78	-320.72
1.432e+06		1.432e+06	2857.87	-0.57	-1355.08	0.0	5.22	1339.50	-7.88	27.92	2857.87
1.162e+06	19	1.162e+06	313.63	-7.46e-03	0.0	322.5	5.22	-15.58	-7.88	27.92	313.63
1.376e+06		1.376e+06	674.63	-0.63	-1355.08	0.0	31.28	1405.67	-2.47	104.67	674.63
1.261e+06	37	1.495e+06	-131.37	0.03	0.0	322.5	31.28	50.59	-2.47	104.67	-131.37
1.495e+06		1.495e+06	124.28	-0.54	-1355.08	0.0	-25.82	1304.49	2.71	-48.97	-759.56
1.110e+06	40	1.313e+06	-759.56	-0.03	0.0	322.5	-25.82	-50.59	2.71	-48.97	124.28
1.313e+06		1.313e+06	-229.57	-0.60	-1355.08	0.0	0.95	1366.18	5.82	27.78	-2108.93
1.202e+06	50	1.424e+06	-2108.93	5.44e-03	0.0	322.5	0.95	11.10	5.82	27.78	-229.57
1.424e+06		1.424e+06	2024.00	-0.58	-1355.08	0.0	4.51	1343.98	-5.58	27.92	2024.00
1.169e+06	51	1.169e+06	222.48	-5.30e-03	0.0	322.5	4.51	-11.10	-5.58	27.92	222.48
1.384e+06		1.384e+06	469.67	-0.61	-1355.08	0.0	23.10	1391.15	-1.73	82.62	469.67
1.239e+06	69	1.469e+06	-94.65	0.02	0.0	322.5	23.10	36.07	-1.73	82.62	-94.65
1.469e+06		1.469e+06	87.56	-0.56	-1355.08	0.0	-17.64	1319.01	1.97	-26.92	-554.61
1.132e+06	72	1.339e+06	-554.61	-0.02	0.0	322.5	-17.64	-36.07	1.97	-26.92	87.56
1.339e+06		1.339e+06	-1.07	-0.72	-1682.74	0.0	1.75	1682.74	0.19	34.19	-61.10
1.472e+06	77	1.472e+06	-61.10	9.49e-05	0.0	322.5	1.75	-2.15e-05	0.19	34.19	-1.07
1.744e+06		1.744e+06	-2.78	-0.87	-2010.40	0.0	8.03	2010.40	0.19	31.64	-64.25
1.759e+06	78	2.083e+06	-64.25	9.95e-05	0.0	322.5	8.03	-1.78e-05	0.19	31.64	-2.78
2.083e+06		2.083e+06	-37.10	-0.73	-1682.74	0.0	5.39	1682.74	0.86	31.61	-314.75
1.472e+06	79	1.472e+06	-314.75	3.10e-03	0.0	322.5	5.39	-2.15e-05	0.86	31.61	-37.10
1.744e+06		1.744e+06	240.99	-0.73	-1682.74	0.0	9.83	1682.74	-0.70	28.90	240.99
1.472e+06	80	1.472e+06	13.93	-2.97e-03	0.0	322.5	9.83	-2.15e-05	-0.70	28.90	13.93

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1.744e+06 98	82	1.744e+06	10.74	-0.73	-1682.74	0.0	-50.46	1682.74	0.56	25.13	-168.58
1.472e+06		1.472e+06	-168.58	1.91e-04	0.0	322.5	-50.46	-2.15e-05	0.56	25.13	10.74
1.744e+06 98	83	1.404e+06	-2.95	-0.59	-1355.08	0.0	1.69	1355.08	0.13	29.12	-44.68
1.186e+06		1.186e+06	-44.68	7.47e-05	0.0	322.5	1.69	-2.51e-05	0.13	29.12	-2.95
1.404e+06 98	84	1.540e+06	-3.51	-0.64	-1486.14	0.0	4.00	1486.14	0.13	28.35	-46.38
1.300e+06		1.300e+06	-46.38	7.70e-05	0.0	322.5	4.00	-2.37e-05	0.13	28.35	-3.51
1.540e+06 98	86	1.404e+06	-3.55	-0.59	-1355.08	0.0	2.73	1355.08	0.12	27.85	-42.47
1.186e+06		1.186e+06	-42.47	7.21e-05	0.0	322.5	2.73	-2.51e-05	0.12	27.85	-3.55
1.404e+06 99	2	2.232e+06	14.90	0.96	-2153.75	0.0	0.20	0.0	0.05	37.42	-0.86
2.232e+06		1.884e+06	-0.86	-6.26e-05	0.0	322.5	0.20	-2153.75	0.05	37.42	14.90
1.884e+06 99	3	2.971e+06	34.18	1.28	-2867.46	0.0	10.85	0.0	0.12	41.92	-3.87
2.971e+06		2.509e+06	-3.87	-7.71e-05	0.0	322.5	10.85	-2867.46	0.12	41.92	34.18
2.509e+06 99	6	2.232e+06	-54.90	0.96	-2153.75	0.0	6.03	0.0	-1.02	33.56	-54.90
2.232e+06		1.884e+06	-382.92	2.11e-03	0.0	322.5	6.03	-2153.75	-1.02	33.56	-382.92
1.884e+06 99	7	2.462e+06	485.44	1.06	-2375.97	0.0	13.73	0.0	1.44	37.81	21.20
2.462e+06		2.079e+06	21.20	-2.25e-03	0.0	322.5	13.73	-2375.97	1.44	37.81	485.44
2.079e+06 99	9	2.462e+06	-11.80	1.06	-2375.97	0.0	28.95	0.0	-0.20	48.83	-11.80
2.462e+06		2.079e+06	-75.44	-1.05e-04	0.0	322.5	28.95	-2375.97	-0.20	48.83	-75.44
2.079e+06 99	12	2.232e+06	120.72	0.96	-2153.75	0.0	-150.40	0.0	0.32	23.83	16.87
2.232e+06		1.884e+06	16.87	-1.22e-04	0.0	322.5	-150.40	-2153.75	0.32	23.83	120.72
1.884e+06 99	25	1.472e+06	-320.60	0.63	-1355.08	0.0	92.35	11.88	-8.83	62.42	-320.60
1.472e+06		1.242e+06	-3159.48	0.08	0.0	322.5	92.35	-1343.20	-8.83	62.42	-3159.48
1.242e+06 99	28	1.336e+06	3194.99	0.58	-1355.08	0.0	-86.63	-11.88	8.96	-6.72	313.51
1.336e+06		1.129e+06	313.51	-0.08	0.0	322.5	-86.63	-1366.96	8.96	-6.72	3194.99
1.129e+06 99	33	1.488e+06	-116.10	0.64	-1355.08	0.0	275.58	-29.60	-3.44	121.62	-116.10
1.488e+06		1.255e+06	-1218.04	-0.02	0.0	322.5	275.58	-1384.68	-3.44	121.62	-1218.04
1.255e+06 99	36	1.320e+06	1253.55	0.57	-1355.08	0.0	-269.86	29.60	3.57	-65.93	109.01
1.320e+06		1.116e+06	109.01	0.02	0.0	322.5	-269.86	-1325.48	3.57	-65.93	1253.55
1.116e+06 99	37	1.495e+06	-131.37	0.64	-1355.08	0.0	219.12	-47.85	-6.78	104.67	-131.37
1.495e+06		1.262e+06	-2311.10	0.04	0.0	322.5	219.12	-1402.93	-6.78	104.67	-2311.10
1.262e+06 99	40	1.313e+06	2346.61	0.57	-1355.08	0.0	-213.40	47.85	6.91	-48.97	124.28
1.313e+06		1.110e+06	124.28	-0.04	0.0	322.5	-213.40	-1307.23	6.91	-48.97	2346.61
1.110e+06 99	57	1.453e+06	-229.42	0.62	-1355.08	0.0	66.64	8.44	-6.28	52.48	-229.42

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1.453e+06											
1.226e+06	1.226e+06	-2247.10	0.05	0.0	322.5	66.64	-1346.64	-6.28	52.48	-2247.10	
1.226e+06 99	60 1.355e+06	2282.61	0.59	-1355.08	0.0	-60.92	-8.44	6.41	3.22	222.33	
1.355e+06	1.145e+06	222.33	-0.05	0.0	322.5	-60.92	-1363.53	6.41	3.22	2282.61	
1.145e+06 99	65 1.464e+06	-83.74	0.63	-1355.08	0.0	197.34	-21.12	-2.43	94.71	-83.74	
1.464e+06	1.235e+06	-863.83	-0.01	0.0	322.5	197.34	-1376.20	-2.43	94.71	-863.83	
1.235e+06 99	68 1.344e+06	899.34	0.58	-1355.08	0.0	-191.62	21.12	2.57	-39.01	76.65	
1.344e+06	1.136e+06	76.65	0.01	0.0	322.5	-191.62	-1333.97	2.57	-39.01	899.34	
1.136e+06 99	69 1.469e+06	-94.65	0.63	-1355.08	0.0	157.07	-34.11	-4.81	82.62	-94.65	
1.469e+06	1.240e+06	-1642.77	0.03	0.0	322.5	157.07	-1389.19	-4.81	82.62	-1642.77	
1.240e+06 99	72 1.339e+06	1678.28	0.58	-1355.08	0.0	-151.35	34.11	4.95	-26.92	87.56	
1.339e+06	1.131e+06	87.56	-0.03	0.0	322.5	-151.35	-1320.97	4.95	-26.92	1678.28	
1.131e+06 99	77 1.744e+06	15.86	0.75	-1682.74	0.0	1.45	0.0	0.05	34.19	-1.07	
1.744e+06	1.472e+06	-1.07	-4.66e-05	0.0	322.5	1.45	-1682.74	0.05	34.19	15.86	
1.472e+06 99	78 2.083e+06	25.16	0.90	-2010.40	0.0	7.76	0.0	0.09	31.64	-2.78	
2.083e+06	1.759e+06	-2.78	-5.39e-05	0.0	322.5	7.76	-2010.40	0.09	31.64	25.16	
1.759e+06 99	79 1.744e+06	-37.10	0.75	-1682.74	0.0	5.34	0.0	-0.66	31.61	-37.10	
1.744e+06	1.472e+06	-249.36	1.41e-03	0.0	322.5	5.34	-1682.74	-0.66	31.61	-249.36	
1.472e+06 99	80 1.744e+06	326.00	0.75	-1682.74	0.0	9.68	0.0	0.97	28.90	13.93	
1.744e+06	1.472e+06	13.93	-1.50e-03	0.0	322.5	9.68	-1682.74	0.97	28.90	326.00	
1.472e+06 99	81 1.744e+06	-8.07	0.75	-1682.74	0.0	19.83	0.0	-0.12	36.25	-8.07	
1.744e+06	1.472e+06	-47.92	-7.10e-05	0.0	322.5	19.83	-1682.74	-0.12	36.25	-47.92	
1.472e+06 99	82 1.744e+06	86.40	0.75	-1682.74	0.0	-98.94	0.0	0.23	25.13	10.74	
1.744e+06	1.472e+06	10.74	-8.80e-05	0.0	322.5	-98.94	-1682.74	0.23	25.13	86.40	
1.472e+06 99	83 1.404e+06	16.16	0.61	-1355.08	0.0	1.76	0.0	0.06	29.12	-2.95	
1.404e+06	1.186e+06	-2.95	-4.06e-05	0.0	322.5	1.76	-1355.08	0.06	29.12	16.16	
1.186e+06 99	84 1.540e+06	19.56	0.66	-1486.14	0.0	4.06	0.0	0.07	28.35	-3.51	
1.540e+06	1.300e+06	-3.51	-4.35e-05	0.0	322.5	4.06	-1486.14	0.07	28.35	19.56	
1.300e+06 99	85 1.404e+06	17.76	0.61	-1355.08	0.0	2.86	0.0	0.07	27.85	-3.55	
1.404e+06	1.186e+06	-3.55	-4.08e-05	0.0	322.5	2.86	-1355.08	0.07	27.85	17.76	
1.186e+06 99	86 1.404e+06	17.76	0.61	-1355.08	0.0	2.86	0.0	0.07	27.85	-3.55	
1.404e+06	1.186e+06	-3.55	-4.08e-05	0.0	322.5	2.86	-1355.08	0.07	27.85	17.76	
1.186e+06 100	3 2.509e+06	60.36	-5.68	-4401.21	0.0	131.66	7268.67	-0.18	13.75	60.36	0.0
2.509e+06	0.0	-27.44	2.71e-04	0.0	495.0	131.66	2867.46	-0.18	13.75	-27.44	

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100	5	2.079e+06	886.84	-4.71	-3646.83	0.0	99.77	6022.80	-2.74	16.75	886.84	0.0
		0.0	-470.20	0.01	0.0	495.0	99.77	2375.97	-2.74	16.75	-470.20	
2.079e+06												
100	8	1.884e+06	449.86	-4.27	-3305.76	0.0	87.89	5459.51	2.57	6.70	-824.04	0.0
		0.0	-824.04	-0.01	0.0	495.0	87.89	2153.75	2.57	6.70	449.86	
1.884e+06												
100	10	1.884e+06	4.20	-4.27	-3305.76	0.0	19.55	5459.51	0.23	13.45	-107.22	0.0
		0.0	-107.22	5.63e-04	0.0	495.0	19.55	2153.75	0.23	13.45	4.20	
1.884e+06												
100	22	1.182e+06	8177.14	-2.68	-2079.89	0.0	17.30	3426.92	-23.45	75.91	8177.14	0.0
		0.0	-3451.18	0.18	0.0	495.0	17.30	1347.03	-23.45	75.91	-3451.18	
1.182e+06												
100	23	1.190e+06	3423.62	-2.69	-2079.89	0.0	84.94	3443.02	23.28	-57.35	-8119.34	0.0
		0.0	-8119.34	-0.18	0.0	495.0	84.94	1363.13	23.28	-57.35	3423.62	
1.190e+06												
100	37	1.251e+06	592.06	-2.82	-2079.89	0.0	222.21	3566.95	-2.43	72.71	592.06	0.0
		0.0	-578.17	0.18	0.0	495.0	222.21	1487.06	-2.43	72.71	-578.17	
1.251e+06												
100	38	1.129e+06	2417.65	-2.57	-2079.89	0.0	-112.60	3321.57	-7.15	-31.07	2417.65	0.0
		0.0	-1163.79	-0.15	0.0	495.0	-112.60	1241.68	-7.15	-31.07	-1163.79	
1.129e+06												
100	40	1.120e+06	550.62	-2.55	-2079.89	0.0	-119.97	3303.00	2.26	-54.15	-534.26	0.0
		0.0	-534.26	-0.18	0.0	495.0	-119.97	1223.10	2.26	-54.15	550.62	
1.120e+06												
100	54	1.183e+06	5836.63	-2.68	-2079.89	0.0	26.96	3429.22	-16.74	56.79	5836.63	0.0
		0.0	-2463.30	0.13	0.0	495.0	26.96	1349.33	-16.74	56.79	-2463.30	
1.183e+06												
100	55	1.188e+06	2435.75	-2.69	-2079.89	0.0	75.28	3440.72	16.57	-38.22	-5778.83	0.0
		0.0	-5778.83	-0.13	0.0	495.0	75.28	1360.83	16.57	-38.22	2435.75	
1.188e+06												
100	69	1.232e+06	429.58	-2.78	-2079.89	0.0	173.22	3529.07	-1.76	54.50	429.58	0.0
		0.0	-415.84	0.13	0.0	495.0	173.22	1449.18	-1.76	54.50	-415.84	
1.232e+06												
100	70	1.146e+06	1732.07	-2.60	-2079.89	0.0	-65.73	3354.11	-5.12	-19.50	1732.07	0.0
		0.0	-833.46	-0.10	0.0	495.0	-65.73	1274.22	-5.12	-19.50	-833.46	
1.146e+06												
100	72	1.139e+06	388.28	-2.59	-2079.89	0.0	-70.98	3340.88	1.59	-35.94	-371.78	0.0
		0.0	-371.78	-0.13	0.0	495.0	-70.98	1260.99	1.59	-35.94	388.28	
1.139e+06												
100	78	1.759e+06	43.17	-3.98	-3085.73	0.0	93.86	5096.13	-0.13	10.46	43.17	0.0
		0.0	-19.59	1.93e-04	0.0	495.0	93.86	2010.40	-0.13	10.46	-19.59	
1.759e+06												
100	79	1.472e+06	594.15	-3.33	-2582.81	0.0	72.60	4265.55	-1.84	12.45	594.15	0.0
		0.0	-314.76	7.56e-03	0.0	495.0	72.60	1682.74	-1.84	12.45	-314.76	
1.472e+06												
100	80	1.472e+06	296.68	-3.33	-2582.81	0.0	73.82	4265.55	1.69	7.68	-542.03	0.0
		0.0	-542.03	-7.38e-03	0.0	495.0	73.82	1682.74	1.69	7.68	296.68	
1.472e+06												
100	81	1.472e+06	-0.43	-3.33	-2582.81	0.0	28.26	4265.55	0.13	12.18	-64.16	0.0
		0.0	-64.16	4.06e-04	0.0	495.0	28.26	1682.74	0.13	12.18	-0.43	
1.472e+06												
100	83	1.186e+06	29.26	-2.68	-2079.89	0.0	49.06	3434.97	-0.09	9.71	29.26	0.0
		0.0	-14.31	1.63e-04	0.0	495.0	49.06	1355.08	-0.09	9.71	-14.31	
1.186e+06												
100	84	1.300e+06	31.68	-2.94	-2281.06	0.0	60.08	3767.20	-0.09	9.43	31.68	0.0
		0.0	-14.83	1.58e-04	0.0	495.0	60.08	1486.14	-0.09	9.43	-14.83	
1.300e+06												
100	85	1.186e+06	28.90	-2.68	-2079.89	0.0	51.12	3434.97	-0.09	9.28	28.90	0.0
		0.0	-13.78	1.52e-04	0.0	495.0	51.12	1355.08	-0.09	9.28	-13.78	
1.186e+06												
100	86	1.186e+06	28.90	-2.68	-2079.89	0.0	51.12	3434.97	-0.09	9.28	28.90	0.0
		0.0	-13.78	1.52e-04	0.0	495.0	51.12	1355.08	-0.09	9.28	-13.78	
1.186e+06												
101	3	2.509e+06	8.04	5.75	-4401.21	0.0	12.38	-2867.46	-0.09	13.75	8.04	
2.509e+06		0.0	-34.49	-9.64e-05	0.0	495.0	12.38	-7268.67	-0.09	13.75	-34.49	0.0

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101	6	1.884e+06	549.13	4.31	-3305.76	0.0	5.22	-2153.75	1.85	13.85	-365.39
1.884e+06		0.0	-365.39	-1.19e-03	0.0	495.0	5.22	-5459.51	1.85	13.85	549.13 0.0
101	7	2.079e+06	407.94	4.76	-3646.83	0.0	7.47	-2375.97	-2.13	9.60	407.94
2.079e+06		0.0	-647.64	1.41e-03	0.0	495.0	7.47	-6022.80	-2.13	9.60	-647.64 0.0
101	9	2.079e+06	151.06	4.76	-3646.83	0.0	142.73	-2375.97	0.36	16.34	-24.95
2.079e+06		0.0	-24.95	2.96e-04	0.0	495.0	142.73	-6022.80	0.36	16.34	151.06 0.0
101	12	1.884e+06	58.40	4.31	-3305.76	0.0	-337.51	-2153.75	-0.70	7.70	58.40
1.884e+06		0.0	-288.91	-5.24e-04	0.0	495.0	-337.51	-5459.51	-0.70	7.70	-288.91 0.0
101	13	1.219e+06	4862.90	2.78	-2079.89	0.0	196.96	-1422.07	14.97	51.07	-2562.79
1.219e+06		0.0	-2562.79	-0.04	0.0	495.0	196.96	-3501.96	14.97	51.07	4862.90 0.0
101	16	1.152e+06	2576.31	2.65	-2079.89	0.0	-196.92	-1288.09	-15.08	-32.51	2576.31
1.152e+06		0.0	-4902.99	0.04	0.0	495.0	-196.92	-3367.98	-15.08	-32.51	-4902.99 0.0
101	33	1.248e+06	2505.36	2.84	-2079.89	0.0	623.13	-1482.08	6.64	41.37	-876.54
1.248e+06		0.0	-876.54	-0.04	0.0	495.0	623.13	-3561.97	6.64	41.37	2505.36 0.0
101	36	1.123e+06	890.06	2.59	-2079.89	0.0	-623.09	-1228.09	-6.75	-22.80	890.06
1.123e+06		0.0	-2545.45	0.04	0.0	495.0	-623.09	-3307.98	-6.75	-22.80	-2545.45 0.0
101	37	1.251e+06	2217.45	2.85	-2079.89	0.0	536.52	-1488.18	6.34	72.71	-939.95
1.251e+06		0.0	-939.95	0.06	0.0	495.0	536.52	-3568.07	6.34	72.71	2217.45 0.0
101	39	1.242e+06	544.59	2.83	-2079.89	0.0	528.66	-1469.34	-1.92	49.64	544.59
1.242e+06		0.0	-394.87	0.07	0.0	495.0	528.66	-3549.24	-1.92	49.64	-394.87 0.0
101	45	1.209e+06	3460.40	2.76	-2079.89	0.0	140.37	-1402.84	10.65	39.06	-1824.69
1.209e+06		0.0	-1824.69	-0.03	0.0	495.0	140.37	-3482.73	10.65	39.06	3460.40 0.0
101	48	1.162e+06	1838.21	2.67	-2079.89	0.0	-140.32	-1307.32	-10.76	-20.50	1838.21
1.162e+06		0.0	-3500.49	0.03	0.0	495.0	-140.32	-3387.21	-10.76	-20.50	-3500.49 0.0
101	65	1.230e+06	1780.28	2.80	-2079.89	0.0	444.28	-1445.62	4.72	32.16	-622.78
1.230e+06		0.0	-622.78	-0.03	0.0	495.0	444.28	-3525.51	4.72	32.16	1780.28 0.0
101	68	1.141e+06	636.30	2.63	-2079.89	0.0	-444.24	-1264.54	-4.83	-13.59	636.30
1.141e+06		0.0	-1820.37	0.03	0.0	495.0	-444.24	-3344.43	-4.83	-13.59	-1820.37 0.0
101	69	1.233e+06	1575.29	2.81	-2079.89	0.0	382.52	-1449.97	4.50	54.50	-668.02
1.233e+06		0.0	-668.02	0.04	0.0	495.0	382.52	-3529.87	4.50	54.50	1575.29 0.0
101	71	1.226e+06	390.06	2.80	-2079.89	0.0	376.96	-1436.55	-1.38	38.06	390.06
1.226e+06		0.0	-286.59	0.05	0.0	495.0	376.96	-3516.44	-1.38	38.06	-286.59 0.0
101	78	1.759e+06	6.35	4.03	-3085.73	0.0	8.35	-2010.40	-0.07	10.46	6.35
1.759e+06		0.0	-25.87	-6.29e-05	0.0	495.0	8.35	-5096.13	-0.07	10.46	-25.87 0.0
101	79	1.472e+06	358.89	3.37	-2582.81	0.0	3.72	-1682.74	1.21	12.45	-241.12
1.472e+06		0.0	-241.12	-7.81e-04	0.0	495.0	3.72	-4265.55	1.21	12.45	358.89 0.0
101	80	1.472e+06	272.95	3.37	-2582.81	0.0	5.07	-1682.74	-1.43	7.68	272.95
1.472e+06		0.0	-434.64	9.45e-04	0.0	495.0	5.07	-4265.55	-1.43	7.68	-434.64 0.0
101	81	1.472e+06	97.83	3.37	-2582.81	0.0	95.25	-1682.74	0.23	12.18	-15.64
1.472e+06		0.0	-15.64	1.98e-04	0.0	495.0	95.25	-4265.55	0.23	12.18	97.83 0.0
101	82	1.472e+06	41.41	3.38	-2582.81	0.0	-224.76	-1682.74	-0.49	8.35	41.41
1.472e+06		0.0	-199.81	-3.46e-04	0.0	495.0	-224.76	-4265.55	-0.49	8.35	-199.81 0.0
101	83	1.186e+06	7.91	2.72	-2079.89	0.0	-2.87	-1355.08	-0.07	9.71	7.91
1.186e+06		0.0	-24.28	2.63e-05	0.0	495.0	-2.87	-3434.97	-0.07	9.71	-24.28 0.0

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101	84	1.300e+06	6.45	2.98	-2281.06	0.0	2.26	-1486.14	-0.05	9.43	6.45	
1.300e+06		0.0	-20.36	-2.62e-05	0.0	495.0	2.26	-3767.20	-0.05	9.43	-20.36 0.0	
101	85	1.186e+06	6.76	2.72	-2079.89	0.0	0.02	-1355.08	-0.05	9.28	6.76	
1.186e+06		0.0	-20.05	2.08e-05	0.0	495.0	0.02	-3434.97	-0.05	9.28	-20.05 0.0	
101	86	1.186e+06	6.76	2.72	-2079.89	0.0	0.02	-1355.08	-0.05	9.28	6.76	
1.186e+06		0.0	-20.05	2.08e-05	0.0	495.0	0.02	-3434.97	-0.05	9.28	-20.05 0.0	
102	2	2.232e+06	-4.12	-0.93	-2153.75	0.0	32.09	2153.75	0.06	12.24	-22.98	
1.884e+06		1.884e+06	-22.98	4.70e-05	0.0	322.5	32.09	-2.58e-05	0.06	12.24	-4.12	
2.232e+06	102	3	2.971e+06	-3.00	-1.24	-2867.46	0.0	67.69	2867.46	0.08	13.75	-27.44
2.509e+06		2.509e+06	-27.44	5.32e-05	0.0	322.5	67.69	-2.41e-05	0.08	13.75	-3.00	
2.971e+06	102	5	2.462e+06	-49.72	-1.03	-2375.97	0.0	50.70	2375.97	1.30	16.75	-470.20
2.079e+06		2.079e+06	-470.20	4.60e-03	0.0	322.5	50.70	-2.96e-05	1.30	16.75	-49.72	
2.462e+06	102	8	2.232e+06	449.86	-0.93	-2153.75	0.0	48.42	2153.75	-1.29	6.70	449.86
1.884e+06		1.884e+06	32.41	-4.53e-03	0.0	322.5	48.42	-2.58e-05	-1.29	6.70	32.41	
2.232e+06	102	12	2.232e+06	-7.16	-0.93	-2153.75	0.0	-97.20	2153.75	0.13	7.70	-47.73
1.884e+06		1.884e+06	-47.73	7.80e-05	0.0	322.5	-97.20	-2.58e-05	0.13	7.70	-7.16	
2.232e+06	102	22	1.399e+06	-175.69	-0.58	-1355.08	0.0	-36.65	1352.60	10.17	75.91	-3451.18
1.182e+06		1.182e+06	-3451.18	0.08	0.0	322.5	-36.65	-2.48	10.17	75.91	-175.69	
1.399e+06	102	23	1.409e+06	3423.62	-0.59	-1355.08	0.0	85.45	1357.56	-10.10	-57.35	3423.62
1.190e+06		1.190e+06	170.48	-0.08	0.0	322.5	85.45	2.48	-10.10	-57.35	170.48	
1.409e+06	102	29	1.480e+06	-40.28	-0.62	-1355.08	0.0	248.87	1391.06	1.06	31.92	-381.80
1.248e+06		1.248e+06	-381.80	-0.02	0.0	322.5	248.87	35.98	1.06	31.92	-40.28	
1.480e+06	102	32	1.328e+06	354.25	-0.55	-1355.08	0.0	-200.08	1319.10	-0.99	-13.35	354.25
1.123e+06		1.123e+06	35.08	0.02	0.0	322.5	-200.08	-35.98	-0.99	-13.35	35.08	
1.328e+06	102	37	1.483e+06	-40.51	-0.62	-1355.08	0.0	243.14	1392.63	1.65	72.71	-578.17
1.251e+06		1.251e+06	-578.17	0.03	0.0	322.5	243.14	37.55	1.65	72.71	-40.51	
1.483e+06	102	40	1.325e+06	550.62	-0.55	-1355.08	0.0	-194.34	1317.53	-1.58	-54.15	550.62
1.120e+06		1.120e+06	35.31	-0.03	0.0	322.5	-194.34	-37.55	-1.58	-54.15	35.31	
1.325e+06	102	54	1.401e+06	-125.79	-0.58	-1355.08	0.0	-19.15	1353.31	7.25	56.79	-2463.30
1.183e+06		1.183e+06	-2463.30	0.06	0.0	322.5	-19.15	-1.77	7.25	56.79	-125.79	
1.401e+06	102	55	1.407e+06	2435.75	-0.59	-1355.08	0.0	67.94	1356.85	-7.18	-38.22	2435.75
1.188e+06		1.188e+06	120.59	-0.06	0.0	322.5	67.94	1.77	-7.18	-38.22	120.59	
1.407e+06	102	61	1.459e+06	-29.43	-0.61	-1355.08	0.0	184.47	1380.73	0.76	25.42	-275.89
1.230e+06		1.230e+06	-275.89	-0.02	0.0	322.5	184.47	25.65	0.76	25.42	-29.43	
1.459e+06	102	64	1.350e+06	248.33	-0.56	-1355.08	0.0	-135.68	1329.43	-0.69	-6.85	248.33

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1.141e+06		1.141e+06	24.23	0.02	0.0	322.5	-135.68	-25.65	-0.69	-6.85	24.23
1.350e+06		1.350e+06									
102	69	1.461e+06	-29.52	-0.61	-1355.08	0.0	180.38	1381.85	1.19	54.50	-415.84
1.232e+06		1.232e+06	-415.84	0.02	0.0	322.5	180.38	26.77	1.19	54.50	-29.52
1.461e+06		1.461e+06									
102	72	1.347e+06	388.28	-0.56	-1355.08	0.0	-131.59	1328.31	-1.12	-35.94	388.28
1.139e+06		1.139e+06	24.32	-0.02	0.0	322.5	-131.59	-26.77	-1.12	-35.94	24.32
1.347e+06		1.347e+06									
102	78	2.083e+06	-2.21	-0.87	-2010.40	0.0	48.17	2010.40	0.05	10.46	-19.59
1.759e+06		1.759e+06	-19.59	3.81e-05	0.0	322.5	48.17	-1.78e-05	0.05	10.46	-2.21
2.083e+06		2.083e+06									
102	79	1.744e+06	-33.35	-0.73	-1682.74	0.0	36.85	1682.74	0.87	12.45	-314.76
1.472e+06		1.472e+06	-314.76	3.07e-03	0.0	322.5	36.85	-2.15e-05	0.87	12.45	-33.35
1.744e+06		1.744e+06									
102	80	1.744e+06	296.68	-0.73	-1682.74	0.0	39.90	1682.74	-0.85	7.68	296.68
1.472e+06		1.472e+06	21.08	-3.01e-03	0.0	322.5	39.90	-2.15e-05	-0.85	7.68	21.08
1.744e+06		1.744e+06									
102	82	1.744e+06	-5.30	-0.73	-1682.74	0.0	-57.18	1682.74	0.09	8.35	-35.05
1.472e+06		1.472e+06	-35.05	5.86e-05	0.0	322.5	-57.18	-2.15e-05	0.09	8.35	-5.30
1.744e+06		1.744e+06									
102	83	1.404e+06	-2.85	-0.58	-1355.08	0.0	22.32	1355.08	0.04	9.71	-14.31
1.186e+06		1.186e+06	-14.31	3.08e-05	0.0	322.5	22.32	-2.51e-05	0.04	9.71	-2.85
1.404e+06		1.404e+06									
102	84	1.540e+06	-2.47	-0.64	-1486.14	0.0	29.57	1486.14	0.04	9.43	-14.83
1.300e+06		1.300e+06	-14.83	3.11e-05	0.0	322.5	29.57	-2.37e-05	0.04	9.43	-2.47
1.540e+06		1.540e+06									
102	86	1.404e+06	-2.60	-0.58	-1355.08	0.0	24.40	1355.08	0.03	9.28	-13.78
1.186e+06		1.186e+06	-13.78	2.97e-05	0.0	322.5	24.40	-2.51e-05	0.03	9.28	-2.60
1.404e+06		1.404e+06									
103	2	2.232e+06	12.16	0.96	-2153.75	0.0	11.82	0.0	0.05	12.24	-4.12
2.232e+06		1.884e+06	-4.12	-2.84e-05	0.0	322.5	11.82	-2153.75	0.05	12.24	12.16
1.884e+06		1.884e+06									
103	3	2.971e+06	8.04	1.28	-2867.46	0.0	38.71	0.0	0.03	13.75	-3.00
2.971e+06		2.509e+06	-3.00	-2.98e-05	0.0	322.5	38.71	-2867.46	0.03	13.75	8.04
2.509e+06		2.509e+06									
103	6	2.232e+06	-49.25	0.96	-2153.75	0.0	24.35	0.0	-0.98	13.85	-49.25
2.232e+06		1.884e+06	-365.39	2.14e-03	0.0	322.5	24.35	-2153.75	-0.98	13.85	-365.39
1.884e+06		1.884e+06									
103	7	2.462e+06	407.94	1.06	-2375.97	0.0	32.62	0.0	1.17	9.60	31.94
2.462e+06		2.079e+06	31.94	-2.20e-03	0.0	322.5	32.62	-2375.97	1.17	9.60	407.94
2.079e+06		2.079e+06									
103	9	2.462e+06	-1.64	1.06	-2375.97	0.0	80.31	0.0	-0.07	16.34	-1.64
2.462e+06		2.079e+06	-24.95	-4.70e-05	0.0	322.5	80.31	-2375.97	-0.07	16.34	-24.95
2.079e+06		2.079e+06									
103	12	2.232e+06	58.40	0.96	-2153.75	0.0	-197.98	0.0	0.20	7.70	-7.16
2.232e+06		1.884e+06	-7.16	-4.56e-05	0.0	322.5	-197.98	-2153.75	0.20	7.70	58.40
1.884e+06		1.884e+06									
103	13	1.444e+06	-180.08	0.62	-1355.08	0.0	138.50	-1.53	-7.39	51.07	-180.08
1.444e+06		1.219e+06	-2562.79	-9.44e-03	0.0	322.5	138.50	-1356.61	-7.39	51.07	-2562.79

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1.219e+06											
103	16	1.364e+06	2576.31	0.59	-1355.08	0.0	-114.04	1.53	7.45	-32.51	174.88
1.364e+06											
		1.152e+06	174.88	9.40e-03	0.0	322.5	-114.04	-1353.55	7.45	-32.51	2576.31
1.152e+06											
103	33	1.480e+06	-35.88	0.64	-1355.08	0.0	409.60	-34.96	-2.59	41.37	-35.88
1.480e+06											
		1.248e+06	-876.54	-0.02	0.0	322.5	409.60	-1390.04	-2.59	41.37	-876.54
1.248e+06											
103	36	1.328e+06	890.06	0.58	-1355.08	0.0	-385.14	34.96	2.65	-22.80	30.68
1.328e+06											
		1.123e+06	30.68	0.02	0.0	322.5	-385.14	-1320.12	2.65	-22.80	890.06
1.123e+06											
103	37	1.483e+06	-40.51	0.64	-1355.08	0.0	368.51	-36.17	-2.74	72.71	-40.51
1.483e+06											
		1.251e+06	-939.95	0.04	0.0	322.5	368.51	-1391.25	-2.74	72.71	-939.95
1.251e+06											
103	40	1.325e+06	953.47	0.57	-1355.08	0.0	-344.06	36.17	2.80	-54.15	35.31
1.325e+06											
		1.120e+06	35.31	-0.04	0.0	322.5	-344.06	-1318.91	2.80	-54.15	953.47
1.120e+06											
103	45	1.432e+06	-129.01	0.62	-1355.08	0.0	102.23	-1.09	-5.26	39.06	-129.01
1.432e+06											
		1.209e+06	-1824.69	-6.73e-03	0.0	322.5	102.23	-1356.17	-5.26	39.06	-1824.69
1.209e+06											
103	48	1.376e+06	1838.21	0.60	-1355.08	0.0	-77.78	1.09	5.32	-20.50	123.81
1.376e+06											
		1.162e+06	123.81	6.70e-03	0.0	322.5	-77.78	-1353.99	5.32	-20.50	1838.21
1.162e+06											
103	65	1.458e+06	-26.27	0.63	-1355.08	0.0	295.56	-24.93	-1.84	32.16	-26.27
1.458e+06											
		1.230e+06	-622.78	-0.01	0.0	322.5	295.56	-1380.01	-1.84	32.16	-622.78
1.230e+06											
103	68	1.350e+06	636.30	0.58	-1355.08	0.0	-271.11	24.93	1.90	-13.59	21.07
1.350e+06											
		1.141e+06	21.07	0.01	0.0	322.5	-271.11	-1330.15	1.90	-13.59	636.30
1.141e+06											
103	69	1.461e+06	-29.52	0.63	-1355.08	0.0	266.26	-25.79	-1.95	54.50	-29.52
1.461e+06											
		1.233e+06	-668.02	0.03	0.0	322.5	266.26	-1380.87	-1.95	54.50	-668.02
1.233e+06											
103	72	1.347e+06	681.54	0.58	-1355.08	0.0	-241.81	25.79	2.01	-35.94	24.32
1.347e+06											
		1.139e+06	24.32	-0.03	0.0	322.5	-241.81	-1329.29	2.01	-35.94	681.54
1.139e+06											
103	77	1.744e+06	10.58	0.76	-1682.74	0.0	11.89	0.0	0.04	11.37	-3.27
1.744e+06											
		1.472e+06	-3.27	-2.13e-05	0.0	322.5	11.89	-1682.74	0.04	11.37	10.58
1.472e+06											
103	78	2.083e+06	6.35	0.90	-2010.40	0.0	27.41	0.0	0.03	10.46	-2.21
2.083e+06											
		1.759e+06	-2.21	-2.05e-05	0.0	322.5	27.41	-2010.40	0.03	10.46	6.35
1.759e+06											
103	79	1.744e+06	-33.35	0.75	-1682.74	0.0	20.25	0.0	-0.64	12.45	-33.35
1.744e+06											
		1.472e+06	-241.12	1.43e-03	0.0	322.5	20.25	-1682.74	-0.64	12.45	-241.12
1.472e+06											
103	80	1.744e+06	272.95	0.75	-1682.74	0.0	23.35	0.0	0.78	7.68	21.08
1.744e+06											
		1.472e+06	21.08	-1.46e-03	0.0	322.5	23.35	-1682.74	0.78	7.68	272.95
1.472e+06											
103	81	1.744e+06	-1.30	0.75	-1682.74	0.0	55.15	0.0	-0.04	12.18	-1.30
1.744e+06											
		1.472e+06	-15.64	-3.18e-05	0.0	322.5	55.15	-1682.74	-0.04	12.18	-15.64
1.472e+06											
103	82	1.744e+06	41.41	0.75	-1682.74	0.0	-127.98	0.0	0.14	8.35	-5.30

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1.744e+06											
	1.472e+06	-5.30	-3.30e-05	0.0	322.5	-127.98	-1682.74	0.14	8.35	41.41	
1.472e+06											
103	83 1.404e+06	7.91	0.61	-1355.08	0.0	9.96	0.0	0.03	9.71	-2.85	
1.404e+06											
	1.186e+06	-2.85	-1.79e-05	0.0	322.5	9.96	-1355.08	0.03	9.71	7.91	
1.186e+06											
103	84 1.540e+06	6.45	0.66	-1486.14	0.0	15.72	0.0	0.03	9.43	-2.47	
1.540e+06											
	1.300e+06	-2.47	-1.78e-05	0.0	322.5	15.72	-1486.14	0.03	9.43	6.45	
1.300e+06											
103	86 1.404e+06	6.76	0.61	-1355.08	0.0	12.23	0.0	0.03	9.28	-2.60	
1.404e+06											
	1.186e+06	-2.60	-1.72e-05	0.0	322.5	12.23	-1355.08	0.03	9.28	6.76	
1.186e+06											
104	3 2.509e+06	0.0	-5.68	-4401.21	0.0	-2.95	7268.67	0.0	0.0	0.0 0.0	
2.509e+06		0.0	0.0	0.0	495.0	-2.95	2867.46	0.0	0.0	0.0	
104	6 1.884e+06	670.83	-4.27	-3305.76	0.0	-0.63	5459.51	-2.15	1.17	670.83 0.0	
1.884e+06		0.0	-394.83	0.01	495.0	-0.63	2153.75	-2.15	1.17	-394.83	
104	7 2.079e+06	394.83	-4.71	-3646.83	0.0	-0.94	6022.80	2.15	-1.17	-670.83 0.0	
2.079e+06		0.0	-670.83	-0.01	495.0	-0.94	2375.97	2.15	-1.17	394.83	
104	9 2.079e+06	0.0	-4.71	-3646.83	0.0	-134.01	6022.80	0.0	0.0	0.0 0.0	
2.079e+06		0.0	0.0	0.0	495.0	-134.01	2375.97	0.0	0.0	0.0	
104	12 1.884e+06	0.0	-4.27	-3305.76	0.0	22.40	5459.51	0.0	0.0	0.0 0.0	
1.884e+06		0.0	0.0	0.0	495.0	22.40	2153.75	0.0	0.0	0.0	
104	13 1.203e+06	4394.68	-2.72	-2079.89	0.0	-95.50	3471.04	-14.21	19.68	4394.68 0.0	
1.203e+06		0.0	-2643.73	-4.02e-03	495.0	-95.50	1391.15	-14.21	19.68	-2643.73	
104	16 1.168e+06	2643.73	-2.65	-2079.89	0.0	91.60	3398.91	14.21	-19.68	-4394.68 0.0	
1.168e+06		0.0	-4394.68	4.02e-03	495.0	91.60	1319.01	14.21	-19.68	2643.73	
104	29 1.245e+06	3100.76	-2.80	-2079.89	0.0	-313.77	3555.19	-8.91	15.78	3100.76 0.0	
1.245e+06		0.0	-1313.93	-0.14	495.0	-313.77	1475.30	-8.91	15.78	-1313.93	
104	33 1.245e+06	3067.65	-2.80	-2079.89	0.0	-313.77	3555.19	-8.63	14.01	3067.65 0.0	
1.245e+06		0.0	-1211.11	-0.12	495.0	-313.77	1475.30	-8.63	14.01	-1211.11	
104	36 1.126e+06	1211.11	-2.56	-2079.89	0.0	309.87	3314.75	8.63	-14.01	-3067.65 0.0	
1.126e+06		0.0	-3067.65	0.12	495.0	309.87	1234.86	8.63	-14.01	1211.11	
104	45 1.198e+06	3129.52	-2.71	-2079.89	0.0	-68.69	3460.69	-10.12	14.00	3129.52 0.0	
1.198e+06		0.0	-1883.31	-2.86e-03	495.0	-68.69	1380.80	-10.12	14.00	-1883.31	
104	48 1.173e+06	1883.31	-2.66	-2079.89	0.0	64.79	3409.26	10.12	-14.00	-3129.52 0.0	
1.173e+06		0.0	-3129.52	2.86e-03	495.0	64.79	1329.37	10.12	-14.00	1883.31	
104	61 1.228e+06	2209.94	-2.77	-2079.89	0.0	-224.41	3520.69	-6.35	11.24	2209.94 0.0	
1.228e+06		0.0	-936.43	-0.10	495.0	-224.41	1440.80	-6.35	11.24	-936.43	
104	65 1.228e+06	2185.34	-2.77	-2079.89	0.0	-224.41	3520.69	-6.15	9.98	2185.34 0.0	
1.228e+06		0.0	-862.78	-0.09	495.0	-224.41	1440.80	-6.15	9.98	-862.78	
104	68 1.143e+06	862.78	-2.60	-2079.89	0.0	220.51	3349.25	6.15	-9.98	-2185.34 0.0	
1.143e+06		0.0	-2185.34	0.09	495.0	220.51	1269.36	6.15	-9.98	862.78	
104	78 1.759e+06	0.0	-3.98	-3085.73	0.0	-2.10	5096.13	0.0	0.0	0.0 0.0	
1.759e+06		0.0	0.0	0.0	495.0	-2.10	2010.40	0.0	0.0	0.0	
104	79 1.472e+06	447.22	-3.33	-2582.81	0.0	-0.76	4265.55	-1.44	0.78	447.22 0.0	
1.472e+06		0.0	-263.22	7.40e-03	495.0	-0.76	1682.74	-1.44	0.78	-263.22	

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105	79	1.472e+06	476.68	3.37	-2582.81	0.0	4.38	-1682.74	1.52	0.78	-273.42
1.472e+06		0.0	-273.42	-9.40e-04	0.0	495.0	4.38	-4265.55	1.52	0.78	476.68 0.0
105	80	1.472e+06	273.42	3.37	-2582.81	0.0	4.38	-1682.74	-1.52	-0.78	273.42
1.472e+06		0.0	-476.68	9.40e-04	0.0	495.0	4.38	-4265.55	-1.52	-0.78	-476.68 0.0
105	81	1.472e+06	0.0	3.37	-2582.81	0.0	55.71	-1682.74	0.0	0.0	0.0
1.472e+06		0.0	0.0	0.0	0.0	495.0	55.71	-4265.55	0.0	0.0	0.0 0.0
105	82	1.472e+06	0.0	3.38	-2582.81	0.0	-132.34	-1682.74	0.0	0.0	0.0
1.472e+06		0.0	0.0	0.0	0.0	495.0	-132.34	-4265.55	0.0	0.0	0.0 0.0
105	83	1.186e+06	0.0	2.72	-2079.89	0.0	1.53	-1355.08	0.0	0.0	0.0
1.186e+06		0.0	0.0	0.0	0.0	495.0	1.53	-3434.97	0.0	0.0	0.0 0.0
105	84	1.300e+06	0.0	2.98	-2281.06	0.0	2.73	-1486.14	0.0	0.0	0.0
1.300e+06		0.0	0.0	0.0	0.0	495.0	2.73	-3767.20	0.0	0.0	0.0 0.0
105	86	1.186e+06	0.0	2.72	-2079.89	0.0	2.13	-1355.08	0.0	0.0	0.0
1.186e+06		0.0	0.0	0.0	0.0	495.0	2.13	-3434.97	0.0	0.0	0.0 0.0
106	2	2.232e+06	0.0	-0.93	-2153.75	0.0	2.28	2153.75	0.0	0.0	0.0
1.884e+06		1.884e+06	0.0	0.0	0.0	322.5	2.28	-2.58e-05	0.0	0.0	0.0
2.232e+06		106	3	2.971e+06	0.0	-1.24	-2867.46	0.0	13.68	2867.46	0.0
2.509e+06		2.509e+06	0.0	0.0	0.0	322.5	13.68	-2.41e-05	0.0	0.0	0.0
2.971e+06		106	6	2.232e+06	-56.00	-0.93	-2153.75	0.0	11.46	2153.75	1.05
1.884e+06		1.884e+06	-394.83	4.59e-03	0.0	322.5	11.46	-2.58e-05	1.05	1.17	-394.83
2.232e+06		106	7	2.462e+06	394.83	-1.03	-2375.97	0.0	12.88	2375.97	-1.05
2.079e+06		2.079e+06	56.00	-4.59e-03	0.0	322.5	12.88	-2.96e-05	-1.05	-1.17	56.00
2.462e+06		106	12	2.232e+06	0.0	-0.93	-2153.75	0.0	-71.31	2153.75	0.0
1.884e+06		1.884e+06	0.0	0.0	0.0	322.5	-71.31	-2.58e-05	0.0	0.0	0.0
2.232e+06		106	13	1.426e+06	-302.01	-0.59	-1355.08	0.0	8.64	1366.95	7.29
1.203e+06		1.203e+06	-2643.73	7.40e-03	0.0	322.5	8.64	11.87	7.29	19.68	-2643.73
1.426e+06		106	16	1.382e+06	2643.73	-0.58	-1355.08	0.0	-0.87	1343.21	-7.29
1.168e+06		1.168e+06	302.01	-7.40e-03	0.0	322.5	-0.87	-11.87	-7.29	-19.68	302.01
1.382e+06		106	29	1.476e+06	-107.25	-0.61	-1355.08	0.0	19.74	1394.64	3.82
1.245e+06		1.245e+06	-1313.93	-0.02	0.0	322.5	19.74	39.56	3.82	15.78	-107.25
1.476e+06		106	30	1.332e+06	-70.67	-0.55	-1355.08	0.0	-11.97	1315.52	0.23
1.126e+06		1.126e+06	-169.28	0.03	0.0	322.5	-11.97	-39.56	0.23	-5.93	-70.67
1.332e+06		106	31	1.476e+06	169.28	-0.61	-1355.08	0.0	19.74	1394.64	-0.23
1.245e+06		1.245e+06	70.67	-0.03	0.0	322.5	19.74	39.56	-0.23	5.93	70.67
1.476e+06		106	32	1.332e+06	1313.93	-0.55	-1355.08	0.0	-11.97	1315.52	-3.82
1.126e+06		1.126e+06	107.25	0.02	0.0	322.5	-11.97	-39.56	-3.82	-15.78	1313.93
1.332e+06		106	45	1.419e+06	-215.25	-0.59	-1355.08	0.0	7.29	1363.54	5.19
1.06										14.00	-1883.31

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1.198e+06		1.198e+06	-1883.31	5.28e-03	0.0	322.5	7.29	8.46	5.19	14.00	-215.25
1.419e+06		1.419e+06									
106	48	1.389e+06	1883.31	-0.58	-1355.08	0.0	0.49	1346.62	-5.19	-14.00	1883.31
1.173e+06		1.173e+06	215.25	-5.28e-03	0.0	322.5	0.49	-8.46	-5.19	-14.00	215.25
1.389e+06		1.389e+06									
106	61	1.456e+06	-76.44	-0.61	-1355.08	0.0	15.22	1383.29	2.72	11.24	-936.43
1.228e+06		1.228e+06	-936.43	-0.02	0.0	322.5	15.22	28.21	2.72	11.24	-76.44
1.456e+06		1.456e+06									
106	62	1.353e+06	-50.36	-0.56	-1355.08	0.0	-7.44	1326.87	0.16	-4.23	-120.08
1.143e+06		1.143e+06	-120.08	0.02	0.0	322.5	-7.44	-28.21	0.16	-4.23	-50.36
1.353e+06		1.353e+06	120.08	-0.61	-1355.08	0.0	15.22	1383.29	-0.16	4.23	120.08
1.228e+06		1.228e+06	50.36	-0.02	0.0	322.5	15.22	28.21	-0.16	4.23	50.36
1.456e+06		1.456e+06									
106	64	1.353e+06	936.43	-0.56	-1355.08	0.0	-7.44	1326.87	-2.72	-11.24	936.43
1.143e+06		1.143e+06	76.44	0.02	0.0	322.5	-7.44	-28.21	-2.72	-11.24	76.44
1.353e+06		1.353e+06	0.0	-0.72	-1682.74	0.0	3.10	1682.74	0.0	0.0	0.0
1.472e+06		1.472e+06	0.0	0.0	0.0	322.5	3.10	-2.15e-05	0.0	0.0	0.0
1.744e+06		1.744e+06									
106	78	2.083e+06	0.0	-0.87	-2010.40	0.0	9.75	2010.40	0.0	0.0	0.0
1.759e+06		1.759e+06	0.0	0.0	0.0	322.5	9.75	-1.78e-05	0.0	0.0	0.0
2.083e+06		2.083e+06									
106	79	1.744e+06	-37.34	-0.73	-1682.74	0.0	9.22	1682.74	0.70	0.78	-263.22
1.472e+06		1.472e+06	-263.22	3.06e-03	0.0	322.5	9.22	-2.15e-05	0.70	0.78	-37.34
1.744e+06		1.744e+06	263.22	-0.73	-1682.74	0.0	9.22	1682.74	-0.70	-0.78	263.22
1.472e+06		1.472e+06	37.34	-3.06e-03	0.0	322.5	9.22	-2.15e-05	-0.70	-0.78	37.34
1.744e+06		1.744e+06									
106	82	1.744e+06	0.0	-0.72	-1682.74	0.0	-45.96	1682.74	0.0	0.0	0.0
1.472e+06		1.472e+06	0.0	0.0	0.0	322.5	-45.96	-2.15e-05	0.0	0.0	0.0
1.744e+06		1.744e+06									
106	83	1.404e+06	0.0	-0.58	-1355.08	0.0	2.83	1355.08	0.0	0.0	0.0
1.186e+06		1.186e+06	0.0	0.0	0.0	322.5	2.83	-2.51e-05	0.0	0.0	0.0
1.404e+06		1.404e+06									
106	84	1.540e+06	0.0	-0.64	-1486.14	0.0	5.27	1486.14	0.0	0.0	0.0
1.300e+06		1.300e+06	0.0	0.0	0.0	322.5	5.27	-2.37e-05	0.0	0.0	0.0
1.540e+06		1.540e+06									
106	85	1.404e+06	0.0	-0.58	-1355.08	0.0	3.89	1355.08	0.0	0.0	0.0
1.186e+06		1.186e+06	0.0	0.0	0.0	322.5	3.89	-2.51e-05	0.0	0.0	0.0
1.404e+06		1.404e+06									
106	86	1.404e+06	0.0	-0.58	-1355.08	0.0	3.89	1355.08	0.0	0.0	0.0
1.186e+06		1.186e+06	0.0	0.0	0.0	322.5	3.89	-2.51e-05	0.0	0.0	0.0
1.404e+06		1.404e+06									
107	2	2.232e+06	0.0	0.96	-2153.75	0.0	1.76	0.0	0.0	0.0	0.0
2.232e+06		1.884e+06	0.0	0.0	0.0	322.5	1.76	-2153.75	0.0	0.0	0.0
1.884e+06		2.971e+06	0.0	1.28	-2867.46	0.0	12.84	0.0	0.0	0.0	0.0
2.971e+06		2.509e+06	0.0	0.0	0.0	322.5	12.84	-2867.46	0.0	0.0	0.0

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2.509e+06											
107	5	2.462e+06	-56.00	1.06	-2375.97	0.0	12.37	0.0	-1.10	1.17	-56.00
2.462e+06											
		2.079e+06	-410.12	2.14e-03	0.0	322.5	12.37	-2375.97	-1.10	1.17	-410.12
2.079e+06											
107	8	2.232e+06	410.12	0.96	-2153.75	0.0	11.02	0.0	1.10	-1.17	56.00
2.232e+06											
		1.884e+06	56.00	-2.14e-03	0.0	322.5	11.02	-2153.75	1.10	-1.17	410.12
1.884e+06											
107	9	2.462e+06	0.0	1.06	-2375.97	0.0	27.12	0.0	0.0	0.0	0.0
2.462e+06											
		2.079e+06	0.0	0.0	0.0	322.5	27.12	-2375.97	0.0	0.0	0.0
2.079e+06											
107	12	2.232e+06	0.0	0.96	-2153.75	0.0	-142.23	0.0	0.0	0.0	0.0
2.232e+06											
		1.884e+06	0.0	0.0	0.0	322.5	-142.23	-2153.75	0.0	0.0	0.0
1.884e+06											
107	22	1.382e+06	-271.45	0.60	-1355.08	0.0	-67.06	11.53	-8.44	7.26	-271.45
1.382e+06											
		1.168e+06	-2994.06	0.08	0.0	322.5	-67.06	-1343.55	-8.44	7.26	-2994.06
1.168e+06											
107	23	1.426e+06	2994.06	0.62	-1355.08	0.0	74.71	-11.53	8.44	-7.26	271.45
1.426e+06											
		1.203e+06	271.45	-0.08	0.0	322.5	74.71	-1366.61	8.44	-7.26	2994.06
1.203e+06											
107	31	1.476e+06	1525.88	0.64	-1355.08	0.0	240.10	-38.45	4.42	5.93	70.67
1.476e+06											
		1.245e+06	70.67	-0.04	0.0	322.5	240.10	-1393.53	4.42	5.93	1525.88
1.245e+06											
107	32	1.332e+06	107.25	0.58	-1355.08	0.0	-232.45	38.45	-0.23	-15.78	107.25
1.332e+06											
		1.126e+06	2.58	0.04	0.0	322.5	-232.45	-1316.63	-0.23	-15.78	2.58
1.126e+06											
107	33	1.476e+06	-68.02	0.64	-1355.08	0.0	240.10	-38.45	1.92e-03	14.01	-101.37
1.476e+06											
		1.245e+06	-101.37	-0.02	0.0	322.5	240.10	-1393.53	1.92e-03	14.01	-68.02
1.245e+06											
107	36	1.332e+06	101.37	0.58	-1355.08	0.0	-232.45	38.45	-1.92e-03	-14.01	101.37
1.332e+06											
		1.126e+06	68.02	0.02	0.0	322.5	-232.45	-1316.63	-1.92e-03	-14.01	68.02
1.126e+06											
107	54	1.389e+06	-193.39	0.60	-1355.08	0.0	-46.73	8.22	-6.02	5.14	-193.39
1.389e+06											
		1.173e+06	-2134.23	0.05	0.0	322.5	-46.73	-1346.86	-6.02	5.14	-2134.23
1.173e+06											
107	55	1.419e+06	2134.23	0.61	-1355.08	0.0	54.38	-8.22	6.02	-5.14	193.39
1.419e+06											
		1.198e+06	193.39	-0.05	0.0	322.5	54.38	-1363.30	6.02	-5.14	2134.23
1.198e+06											
107	63	1.456e+06	1087.81	0.63	-1355.08	0.0	172.34	-27.41	3.15	4.23	50.36
1.456e+06											
		1.228e+06	50.36	-0.03	0.0	322.5	172.34	-1382.49	3.15	4.23	1087.81
1.228e+06											
107	64	1.353e+06	76.44	0.59	-1355.08	0.0	-164.69	27.41	-0.16	-11.24	76.44
1.353e+06											
		1.143e+06	1.72	0.03	0.0	322.5	-164.69	-1327.67	-0.16	-11.24	1.72
1.143e+06											
107	65	1.456e+06	-48.35	0.63	-1355.08	0.0	172.34	-27.41	1.72e-03	9.98	-72.23
1.456e+06											
		1.228e+06	-72.23	-0.01	0.0	322.5	172.34	-1382.49	1.72e-03	9.98	-48.35
1.228e+06											
107	68	1.353e+06	72.23	0.59	-1355.08	0.0	-164.69	27.41	-1.72e-03	-9.98	72.23
1.353e+06											
		1.143e+06	48.35	0.01	0.0	322.5	-164.69	-1327.67	-1.72e-03	-9.98	48.35
1.143e+06											
107	77	1.744e+06	0.0	0.76	-1682.74	0.0	2.68	0.0	0.0	0.0	0.0

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		0.0	-2435.75	0.13	0.0	495.0	75.28	1360.83	-16.57	38.22	-2435.75		
1.188e+06	108	60	1.183e+06	2463.30	-2.68	-2079.89	0.0	26.96	3429.22	16.74	-56.79	-5836.63	0.0
			0.0	-5836.63	-0.13	0.0	495.0	26.96	1349.33	16.74	-56.79	2463.30	
1.183e+06	108	62	1.139e+06	371.78	-2.59	-2079.89	0.0	-70.98	3340.88	-1.59	35.94	371.78	0.0
			0.0	-388.28	0.13	0.0	495.0	-70.98	1260.99	-1.59	35.94	-388.28	
1.139e+06	108	63	1.232e+06	415.84	-2.78	-2079.89	0.0	173.22	3529.07	1.76	-54.50	-429.58	0.0
			0.0	-429.58	-0.13	0.0	495.0	173.22	1449.18	1.76	-54.50	415.84	
1.232e+06	108	68	1.145e+06	926.06	-2.60	-2079.89	0.0	-66.71	3353.32	6.44	12.75	-2293.51	0.0
			0.0	-2293.51	0.09	0.0	495.0	-66.71	1273.43	6.44	12.75	926.06	
1.145e+06	108	78	1.759e+06	19.59	-3.98	-3085.73	0.0	93.86	5096.13	0.13	-10.46	-43.17	0.0
			0.0	-43.17	-1.93e-04	0.0	495.0	93.86	2010.40	0.13	-10.46	19.59	
1.759e+06	108	79	1.472e+06	542.03	-3.33	-2582.81	0.0	73.82	4265.55	-1.69	-7.68	542.03	0.0
			0.0	-296.68	7.38e-03	0.0	495.0	73.82	1682.74	-1.69	-7.68	-296.68	
1.472e+06	108	80	1.472e+06	314.76	-3.33	-2582.81	0.0	72.60	4265.55	1.84	-12.45	-594.15	0.0
			0.0	-594.15	-7.56e-03	0.0	495.0	72.60	1682.74	1.84	-12.45	314.76	
1.472e+06	108	81	1.472e+06	64.16	-3.33	-2582.81	0.0	28.26	4265.55	-0.13	-12.18	64.16	0.0
			0.0	0.43	-4.06e-04	0.0	495.0	28.26	1682.74	-0.13	-12.18	0.43	
1.472e+06	108	83	1.186e+06	14.31	-2.68	-2079.89	0.0	49.06	3434.97	0.09	-9.71	-29.26	0.0
			0.0	-29.26	-1.63e-04	0.0	495.0	49.06	1355.08	0.09	-9.71	14.31	
1.186e+06	108	84	1.300e+06	14.83	-2.94	-2281.06	0.0	60.08	3767.20	0.09	-9.43	-31.68	0.0
			0.0	-31.68	-1.58e-04	0.0	495.0	60.08	1486.14	0.09	-9.43	14.83	
1.300e+06	108	86	1.186e+06	13.78	-2.68	-2079.89	0.0	51.12	3434.97	0.09	-9.28	-28.90	0.0
			0.0	-28.90	-1.52e-04	0.0	495.0	51.12	1355.08	0.09	-9.28	13.78	
1.186e+06	109	3	9.590e+05	1743.76	0.22	-1.326e+04	0.0	1.365e+04	74.43	-11.01	-746.17	1743.76	
9.590e+05			-1.275e+06	-2007.12	4.17e-04	0.0	340.8	1.455e+04	-1.319e+04	-11.01	-746.17	-2007.12	-
1.275e+06	109	7	8.434e+05	1971.27	0.19	-1.127e+04	0.0	1.225e+04	-41.83	-14.42	-1.164e+04	1971.27	
8.434e+05			-1.091e+06	-2943.40	-2.93e-03	0.0	340.8	1.302e+04	-1.131e+04	-14.42	-1.164e+04	-2943.40	-
1.091e+06	109	10	7.344e+05	1349.45	0.15	-9490.51	0.0	9118.23	-282.83	-9.41	-4043.44	1349.45	
7.344e+05			-9.792e+05	-1858.27	-5.30e-04	0.0	340.8	9767.21	-9773.34	-9.41	-4043.44	-1858.27	-
9.792e+05	109	13	6.430e+05	1.535e+04	0.12	-6971.27	0.0	5804.02	-887.48	59.27	1.115e+05	-4940.02	
6.430e+05			-8.484e+05	-4940.02	0.01	0.0	340.8	6280.73	-7858.75	59.27	1.115e+05	1.535e+04	-
8.484e+05	109	16	4.691e+05	6588.16	0.14	-6971.27	0.0	1.034e+04	569.75	-69.98	-1.134e+05	6588.16	
4.615e+05			-5.311e+05	-1.735e+04	-9.58e-03	0.0	340.8	1.081e+04	-6401.52	-69.98	-1.134e+05	-1.735e+04	-
5.311e+05	109	41	8.554e+05	-400.82	0.10	-6971.27	0.0	1054.26	-2575.94	25.07	1.388e+04	-4274.50	
8.554e+05			-1.212e+06	-4274.50	0.03	0.0	340.8	1530.97	-9547.21	25.07	1.388e+04	-400.82	-
1.212e+06	109	44	3.742e+05	5922.64	0.16	-6971.27	0.0	1.509e+04	2258.21	-35.78	-1.574e+04	5922.64	
2.491e+05			-1.673e+05	-1601.82	-0.03	0.0	340.8	1.556e+04	-4713.06	-35.78	-1.574e+04	-1601.82	-
1.673e+05	109	45	6.170e+05	1.065e+04	0.12	-6971.27	0.0	6454.71	-678.54	40.72	7.925e+04	-3285.45	
6.170e+05			-8.029e+05	-3285.45	7.23e-03	0.0	340.8	6931.42	-7649.81	40.72	7.925e+04	1.065e+04	-

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8.029e+05	109	48	4.906e+05	4933.59	0.13	-6971.27	0.0	9686.49	360.81	-51.44	-8.111e+04	4933.59	
4.875e+05			-5.766e+05	-1.266e+04	-6.77e-03	0.0	340.8	1.016e+04	-6610.46	-51.44	-8.111e+04	-1.266e+04	-
5.766e+05	109	73	7.685e+05	-590.44	0.11	-6971.27	0.0	3067.56	-1882.91	16.37	9624.43	-2811.50	
7.685e+05			-1.062e+06	-2811.50	0.02	0.0	340.8	3544.27	-8854.19	16.37	9624.43	-590.44	-
1.062e+06	109	76	3.954e+05	4459.64	0.15	-6971.27	0.0	1.307e+04	1565.18	-27.09	-1.148e+04	4459.64	
3.360e+05			-3.171e+05	-1412.21	-0.02	0.0	340.8	1.355e+04	-5406.09	-27.09	-1.148e+04	-1412.21	-
3.171e+05	109	78	7.022e+05	1247.00	0.16	-9629.17	0.0	1.001e+04	28.92	-7.89	-569.54	1247.00	
7.022e+05			-9.287e+05	-1442.68	3.03e-04	0.0	340.8	1.067e+04	-9600.25	-7.89	-569.54	-1442.68	-
9.287e+05	109	80	6.252e+05	1398.67	0.14	-8300.22	0.0	9081.81	-48.59	-10.17	-7829.77	1398.67	
6.252e+05			-8.057e+05	-2066.87	-1.93e-03	0.0	340.8	9649.40	-8348.81	-10.17	-7829.77	-2066.87	-
8.057e+05	109	81	6.469e+05	1110.85	0.14	-8300.22	0.0	8368.87	-240.30	-7.66	-2875.85	1110.85	
6.469e+05			-8.494e+05	-1500.35	-2.98e-04	0.0	340.8	8936.46	-8540.52	-7.66	-2875.85	-1500.35	-
8.494e+05	109	84	5.825e+05	901.85	0.14	-7502.85	0.0	8453.39	-123.08	-5.80	-848.79	901.85	
5.825e+05			-7.380e+05	-1076.22	2.67e-04	0.0	340.8	8966.45	-7625.93	-5.80	-848.79	-1076.22	-
7.380e+05	109	85	5.523e+05	824.07	0.13	-6971.27	0.0	8070.60	-158.86	-5.36	-929.06	824.07	
5.523e+05			-6.898e+05	-1001.32	2.54e-04	0.0	340.8	8547.32	-7130.14	-5.36	-929.06	-1001.32	-
6.898e+05	109	86	5.523e+05	824.07	0.13	-6971.27	0.0	8070.60	-158.86	-5.36	-929.06	824.07	
5.523e+05			-6.898e+05	-1001.32	2.54e-04	0.0	340.8	8547.32	-7130.14	-5.36	-929.06	-1001.32	-
6.898e+05	110	2	2.232e+06	22.98	-0.93	-2153.75	0.0	32.09	2153.75	-0.06	-12.24	22.98	
1.884e+06			1.884e+06	4.12	-4.70e-05	0.0	322.5	32.09	-2.58e-05	-0.06	-12.24	4.12	
2.232e+06	110	3	2.971e+06	27.44	-1.24	-2867.46	0.0	67.69	2867.46	-0.08	-13.75	27.44	
2.509e+06			2.509e+06	3.00	-5.32e-05	0.0	322.5	67.69	-2.41e-05	-0.08	-13.75	3.00	
2.971e+06	110	6	2.232e+06	-32.41	-0.93	-2153.75	0.0	48.42	2153.75	1.29	-6.70	-449.86	
1.884e+06			1.884e+06	-449.86	4.53e-03	0.0	322.5	48.42	-2.58e-05	1.29	-6.70	-32.41	
2.232e+06	110	7	2.462e+06	470.20	-1.03	-2375.97	0.0	50.70	2375.97	-1.30	-16.75	470.20	
2.079e+06			2.079e+06	49.72	-4.60e-03	0.0	322.5	50.70	-2.96e-05	-1.30	-16.75	49.72	
2.462e+06	110	12	2.232e+06	47.73	-0.93	-2153.75	0.0	-97.20	2153.75	-0.13	-7.70	47.73	
1.884e+06			1.884e+06	7.16	-7.80e-05	0.0	322.5	-97.20	-2.58e-05	-0.13	-7.70	7.16	
2.232e+06	110	25	1.409e+06	-170.48	-0.59	-1355.08	0.0	85.45	1357.56	10.10	57.35	-3423.62	
1.190e+06			1.190e+06	-3423.62	0.08	0.0	322.5	85.45	2.48	10.10	57.35	-170.48	
1.409e+06	110	28	1.399e+06	3451.18	-0.58	-1355.08	0.0	-36.65	1352.60	-10.17	-75.91	3451.18	
1.182e+06			1.182e+06	175.69	-0.08	0.0	322.5	-36.65	-2.48	-10.17	-75.91	175.69	
1.399e+06	110	30	1.325e+06	-35.31	-0.55	-1355.08	0.0	-194.34	1311.32	1.58	54.15	-550.62	

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1.120e+06		1.120e+06	-550.62	0.03	0.0	322.5	-194.34	-43.76	1.58	54.15	-35.31
1.325e+06		1.325e+06									
110	31	1.483e+06	578.17	-0.62	-1355.08	0.0	243.14	1398.84	-1.65	-72.71	578.17
1.251e+06		1.251e+06	40.51	-0.03	0.0	322.5	243.14	43.76	-1.65	-72.71	40.51
1.483e+06		1.483e+06									
110	38	1.328e+06	-35.08	-0.55	-1355.08	0.0	-200.08	1312.89	0.99	13.35	-354.25
1.123e+06		1.123e+06	-354.25	-0.02	0.0	322.5	-200.08	-42.19	0.99	13.35	-35.08
1.328e+06		1.328e+06									
110	39	1.480e+06	381.80	-0.62	-1355.08	0.0	248.87	1397.27	-1.06	-31.92	381.80
1.248e+06		1.248e+06	40.28	0.02	0.0	322.5	248.87	42.19	-1.06	-31.92	40.28
1.480e+06		1.480e+06									
110	57	1.407e+06	-120.59	-0.59	-1355.08	0.0	67.94	1356.85	7.18	38.22	-2435.75
1.188e+06		1.188e+06	-2435.75	0.06	0.0	322.5	67.94	1.77	7.18	38.22	-120.59
1.407e+06		1.407e+06									
110	60	1.401e+06	2463.30	-0.58	-1355.08	0.0	-19.15	1353.31	-7.25	-56.79	2463.30
1.183e+06		1.183e+06	125.79	-0.06	0.0	322.5	-19.15	-1.77	-7.25	-56.79	125.79
1.401e+06		1.401e+06									
110	62	1.347e+06	-24.32	-0.56	-1355.08	0.0	-131.59	1323.88	1.12	35.94	-388.28
1.139e+06		1.139e+06	-388.28	0.02	0.0	322.5	-131.59	-31.20	1.12	35.94	-24.32
1.347e+06		1.347e+06									
110	63	1.461e+06	415.84	-0.61	-1355.08	0.0	180.38	1386.28	-1.19	-54.50	415.84
1.232e+06		1.232e+06	29.52	-0.02	0.0	322.5	180.38	31.20	-1.19	-54.50	29.52
1.461e+06		1.461e+06									
110	70	1.350e+06	-24.23	-0.56	-1355.08	0.0	-135.68	1325.00	0.69	6.85	-248.33
1.141e+06		1.141e+06	-248.33	-0.02	0.0	322.5	-135.68	-30.08	0.69	6.85	-24.23
1.350e+06		1.350e+06									
110	71	1.459e+06	275.89	-0.61	-1355.08	0.0	184.47	1385.16	-0.76	-25.42	275.89
1.230e+06		1.230e+06	29.43	0.02	0.0	322.5	184.47	30.08	-0.76	-25.42	29.43
1.459e+06		1.459e+06									
110	78	2.083e+06	19.59	-0.87	-2010.40	0.0	48.17	2010.40	-0.05	-10.46	19.59
1.759e+06		1.759e+06	2.21	-3.81e-05	0.0	322.5	48.17	-1.78e-05	-0.05	-10.46	2.21
2.083e+06		2.083e+06									
110	79	1.744e+06	-21.08	-0.73	-1682.74	0.0	39.90	1682.74	0.85	-7.68	-296.68
1.472e+06		1.472e+06	-296.68	3.01e-03	0.0	322.5	39.90	-2.15e-05	0.85	-7.68	-21.08
1.744e+06		1.744e+06									
110	80	1.744e+06	314.76	-0.73	-1682.74	0.0	36.85	1682.74	-0.87	-12.45	314.76
1.472e+06		1.472e+06	33.35	-3.07e-03	0.0	322.5	36.85	-2.15e-05	-0.87	-12.45	33.35
1.744e+06		1.744e+06									
110	82	1.744e+06	35.05	-0.73	-1682.74	0.0	-57.18	1682.74	-0.09	-8.35	35.05
1.472e+06		1.472e+06	5.30	-5.86e-05	0.0	322.5	-57.18	-2.15e-05	-0.09	-8.35	5.30
1.744e+06		1.744e+06									
110	83	1.404e+06	14.31	-0.58	-1355.08	0.0	22.32	1355.08	-0.04	-9.71	14.31
1.186e+06		1.186e+06	2.85	-3.08e-05	0.0	322.5	22.32	-2.51e-05	-0.04	-9.71	2.85
1.404e+06		1.404e+06									
110	84	1.540e+06	14.83	-0.64	-1486.14	0.0	29.57	1486.14	-0.04	-9.43	14.83
1.300e+06		1.300e+06	2.47	-3.11e-05	0.0	322.5	29.57	-2.37e-05	-0.04	-9.43	2.47
1.540e+06		1.540e+06									
110	86	1.404e+06	13.78	-0.58	-1355.08	0.0	24.40	1355.08	-0.03	-9.28	13.78
1.186e+06		1.186e+06	2.60	-2.97e-05	0.0	322.5	24.40	-2.51e-05	-0.03	-9.28	2.60

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1.404e+06												
111	3	4.914e+05	5534.38	0.11	-7543.06	0.0	3320.14	222.24	-23.17	1.722e+04	5534.38	
4.914e+05												
		-7.182e+05	-2362.31	2.48e-03	0.0	340.8	3835.95	-7320.82	-23.17	1.722e+04	-2362.31	-
7.182e+05												
111	5	4.459e+05	2.427e+04	0.09	-6531.85	0.0	2879.32	89.07	-358.35	2.690e+04	2.427e+04	
4.459e+05												
		-6.368e+05	-8420.14	5.39e-03	673.81	340.8	3325.98	-6442.79	315.46	2.690e+04	1.642e+04	-
6.368e+05												
111	7	4.333e+05	6625.71	0.09	-6531.85	0.0	3202.11	161.06	146.45	9016.75	-4330.76	
4.333e+05												
		-6.249e+05	-1.156e+04	-1.88e-03	-336.91	340.8	3648.77	-6370.79	-190.46	9016.75	-1.156e+04	-
6.249e+05												
111	9	5.001e+05	2955.71	0.10	-6531.85	0.0	3004.23	-253.77	-10.22	1.466e+04	2955.71	
5.001e+05												
		-6.994e+05	-527.89	1.62e-03	0.0	340.8	3450.90	-6785.62	-10.22	1.466e+04	-527.89	-
6.994e+05												
111	12	3.150e+05	5533.82	0.07	-5442.52	0.0	1970.74	459.65	-24.57	1.696e+04	5533.82	
3.088e+05												
		-4.619e+05	-2840.39	2.16e-03	0.0	340.8	2342.92	-4982.86	-24.57	1.696e+04	-2840.39	-
4.619e+05												
111	13	4.586e+05	1.757e+04	0.07	-4164.57	0.0	1544.90	-986.14	53.59	7.989e+04	-284.19	
4.586e+05												
		-4.871e+05	-284.19	0.01	0.0	340.8	1829.68	-5150.72	53.59	7.989e+04	1.757e+04	-
4.871e+05												
111	16	1.498e+05	7154.55	0.05	-4164.57	0.0	2652.62	1012.92	-79.22	-5.571e+04	7154.55	
1.288e+05												
		-3.356e+05	-1.943e+04	-8.67e-03	0.0	340.8	2937.41	-3151.66	-79.22	-5.571e+04	-1.943e+04	-
3.356e+05												
111	38	1.993e+05	8026.97	-0.02	-4164.57	0.0	-3408.96	2970.76	17.69	4.072e+04	5666.31	-
1.834e+05												
		-1.834e+05	5666.31	-0.01	0.0	340.8	-3124.17	-1193.81	17.69	4.072e+04	8026.97	-
1.495e+05												
111	39	7.708e+05	1204.04	0.12	-4164.57	0.0	7606.48	-2943.99	-43.32	-1.653e+04	1204.04	
7.708e+05												
		-9.722e+05	-9890.26	0.02	0.0	340.8	7891.26	-7108.56	-43.32	-1.653e+04	-9890.26	-
9.722e+05												
111	41	8.205e+05	-1181.93	0.13	-4164.57	0.0	6759.78	-3240.60	-11.62	2.691e+04	-1493.12	
8.205e+05												
		-9.936e+05	-1493.12	0.03	0.0	340.8	7044.56	-7405.18	-11.62	2.691e+04	-1181.93	-
9.936e+05												
111	45	4.113e+05	1.226e+04	0.07	-4164.57	0.0	1708.09	-699.26	34.53	6.042e+04	786.49	
4.113e+05												
		-4.654e+05	786.49	9.07e-03	0.0	340.8	1992.88	-4863.84	34.53	6.042e+04	1.226e+04	-
4.654e+05												
111	48	1.871e+05	6083.86	0.06	-4164.57	0.0	2489.43	726.04	-60.15	-3.623e+04	6083.86	
1.762e+05												
		-3.573e+05	-1.412e+04	-5.70e-03	0.0	340.8	2774.21	-3438.54	-60.15	-3.623e+04	-1.412e+04	-
3.573e+05												
111	70	1.485e+05	5470.96	0.02	-4164.57	0.0	-1840.00	2122.70	9.01	3.252e+04	5028.33	-
4.655e+04												
		-4.655e+04	5028.33	-9.19e-03	0.0	340.8	-1555.22	-2041.88	9.01	3.252e+04	5470.96	-
1.134e+04												
111	71	6.340e+05	1842.03	0.11	-4164.57	0.0	6037.52	-2095.92	-34.63	-8333.19	1842.03	
6.340e+05												
		-8.114e+05	-7334.25	0.01	0.0	340.8	6322.31	-6260.50	-34.63	-8333.19	-7334.25	-
8.114e+05												
111	73	6.694e+05	-80.18	0.11	-4164.57	0.0	5434.56	-2307.28	-12.04	2.263e+04	-80.18	
6.694e+05												
		-8.266e+05	-1126.98	0.02	0.0	340.8	5719.35	-6471.85	-12.04	2.263e+04	-1126.98	-
8.266e+05												
111	78	3.619e+05	4066.10	0.08	-5512.86	0.0	2454.49	147.88	-16.80	1.204e+04	4066.10	
3.619e+05												
		-5.270e+05	-1660.25	1.83e-03	0.0	340.8	2831.47	-5364.98	-16.80	1.204e+04	-1660.25	-
5.270e+05												
111	79	3.316e+05	1.655e+04	0.07	-4838.72	0.0	2160.60	59.10	-240.25	1.849e+04	1.655e+04	

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113	43	1.255e+06	1218.04	2.84	-2079.89	0.0	502.93	-1495.61	-9.78	-121.62	1218.04		
1.255e+06		0.0	-3663.06	0.04	0.0	495.0	502.93	-3575.50	-9.78	-121.62	-3663.06 0.0		
113	63	1.240e+06	1642.77	2.82	-2079.89	0.0	274.37	-1464.55	-13.88	-82.62	1642.77		
1.240e+06		0.0	-5228.15	-0.05	0.0	495.0	274.37	-3544.44	-13.88	-82.62	-5228.15 0.0		
113	65	1.223e+06	528.10	2.78	-2079.89	0.0	259.15	-1429.91	-7.56	-75.25	528.10		
1.223e+06		0.0	-3216.25	-0.03	0.0	495.0	259.15	-3509.80	-7.56	-75.25	-3216.25 0.0		
113	66	1.132e+06	5343.21	2.62	-2079.89	0.0	-278.05	-1247.65	14.26	25.28	-1720.18		
1.132e+06		0.0	-1720.18	0.07	0.0	495.0	-278.05	-3327.54	14.26	25.28	5343.21 0.0		
113	67	1.239e+06	1684.67	2.81	-2079.89	0.0	281.31	-1462.51	-13.97	-80.98	1684.67		
1.239e+06		0.0	-5234.12	-0.07	0.0	495.0	281.31	-3542.40	-13.97	-80.98	-5234.12 0.0		
113	74	1.136e+06	2706.81	2.62	-2079.89	0.0	-355.91	-1254.89	7.23	39.01	-899.34		
1.136e+06		0.0	-899.34	-0.03	0.0	495.0	-355.91	-3334.78	7.23	39.01	2706.81 0.0		
113	75	1.235e+06	863.83	2.81	-2079.89	0.0	359.17	-1455.27	-6.93	-94.71	863.83		
1.235e+06		0.0	-2597.71	0.03	0.0	495.0	359.17	-3535.16	-6.93	-94.71	-2597.71 0.0		
113	78	1.759e+06	92.49	4.03	-3085.73	0.0	3.71	-2010.40	0.24	-31.64	-25.16		
1.759e+06		0.0	-25.16	1.19e-04	0.0	495.0	3.71	-5096.13	0.24	-31.64	92.49 0.0		
113	79	1.472e+06	583.62	3.37	-2582.81	0.0	6.08	-1682.74	1.84	-28.90	-326.00		
1.472e+06		0.0	-326.00	-1.23e-03	0.0	495.0	6.08	-4265.55	1.84	-28.90	583.62 0.0		
113	80	1.472e+06	249.36	3.37	-2582.81	0.0	2.05	-1682.74	-1.30	-31.61	249.36		
1.472e+06		0.0	-395.84	8.37e-04	0.0	495.0	2.05	-4265.55	-1.30	-31.61	-395.84 0.0		
113	81	1.472e+06	47.92	3.37	-2582.81	0.0	59.34	-1682.74	-0.61	-36.25	47.92		
1.472e+06		0.0	-255.78	-3.85e-04	0.0	495.0	59.34	-4265.55	-0.61	-36.25	-255.78 0.0		
113	82	1.472e+06	421.67	3.37	-2582.81	0.0	-142.62	-1682.74	1.03	-25.13	-86.40		
1.472e+06		0.0	-86.40	6.71e-04	0.0	495.0	-142.62	-4265.55	1.03	-25.13	421.67 0.0		
113	83	1.186e+06	50.13	2.72	-2079.89	0.0	0.91	-1355.08	0.13	-29.12	-16.16		
1.186e+06		0.0	-16.16	-5.58e-05	0.0	495.0	0.91	-3434.97	0.13	-29.12	50.13 0.0		
113	84	1.300e+06	63.02	2.98	-2281.06	0.0	2.19	-1486.14	0.17	-28.35	-19.56		
1.300e+06		0.0	-19.56	-7.14e-05	0.0	495.0	2.19	-3767.20	0.17	-28.35	63.02 0.0		
113	86	1.186e+06	54.55	2.72	-2079.89	0.0	1.63	-1355.08	0.15	-27.85	-17.76		
1.186e+06		0.0	-17.76	-6.51e-05	0.0	495.0	1.63	-3434.97	0.15	-27.85	54.55 0.0		
114	2	2.232e+06	75.93	-0.93	-2153.75	0.0	0.61	2153.75	-0.23	-37.42	75.93		
1.884e+06		1.884e+06	0.86	-1.17e-04	0.0	322.5	0.61	-2.58e-05	-0.23	-37.42	0.86		
2.232e+06		114	3	2.971e+06	90.08	-1.24	-2867.46	0.0	11.24	2867.46	-0.27	-41.92	90.08
2.509e+06		2.509e+06	3.87	-1.39e-04	0.0	322.5	11.24	-2.41e-05	-0.27	-41.92	3.87		
2.971e+06		114	5	2.462e+06	-21.20	-1.03	-2375.97	0.0	13.95	2375.97	1.07	-37.81	-367.77
2.079e+06		2.079e+06	-367.77	4.46e-03	0.0	322.5	13.95	-2.96e-05	1.07	-37.81	-21.20		
2.462e+06		114	6	2.232e+06	-21.65	-0.93	-2153.75	0.0	12.74	2153.75	1.10	-29.49	-377.20
1.884e+06		1.884e+06	-377.20	4.47e-03	0.0	322.5	12.74	-2.58e-05	1.10	-29.49	-21.65		
2.232e+06		114	7	2.462e+06	465.83	-1.03	-2375.97	0.0	7.28	2375.97	-1.27	-41.87	465.83
2.079e+06		2.079e+06	55.35	-4.65e-03	0.0	322.5	7.28	-2.96e-05	-1.27	-41.87	55.35		
2.462e+06		114	12	2.232e+06	237.14	-0.93	-2153.75	0.0	-77.71	2153.75	-0.79	-23.83	237.14

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1.884e+06		1.884e+06	-16.87	-2.61e-04	0.0	322.5	-77.71	-2.58e-05	-0.79	-23.83	-16.87
2.232e+06		13 1.376e+06	-313.63	-0.57	-1355.08	0.0	5.22	1339.50	7.88	-27.92	-2857.87
1.162e+06		1.162e+06	-2857.87	7.46e-03	0.0	322.5	5.22	-15.58	7.88	-27.92	-313.63
1.376e+06		16 1.432e+06	2942.80	-0.60	-1355.08	0.0	0.24	1370.66	-8.13	-27.78	2942.80
1.209e+06		1.209e+06	320.72	-7.60e-03	0.0	322.5	0.24	15.58	-8.13	-27.78	320.72
1.432e+06		30 1.313e+06	759.56	-0.54	-1355.08	0.0	-25.82	1304.49	-2.71	48.97	759.56
1.110e+06		1.110e+06	-124.28	0.03	0.0	322.5	-25.82	-50.59	-2.71	48.97	-124.28
1.313e+06		31 1.495e+06	131.37	-0.63	-1355.08	0.0	31.28	1405.67	2.47	-104.67	-674.63
1.261e+06		1.261e+06	-674.63	-0.03	0.0	322.5	31.28	50.59	2.47	-104.67	131.37
1.495e+06		45 1.384e+06	-222.48	-0.58	-1355.08	0.0	4.51	1343.98	5.58	-27.92	-2024.00
1.169e+06		1.169e+06	-2024.00	5.30e-03	0.0	322.5	4.51	-11.10	5.58	-27.92	-222.48
1.384e+06		48 1.424e+06	2108.93	-0.60	-1355.08	0.0	0.95	1366.18	-5.82	-27.78	2108.93
1.202e+06		1.202e+06	229.57	-5.44e-03	0.0	322.5	0.95	11.10	-5.82	-27.78	229.57
1.424e+06		62 1.339e+06	554.61	-0.56	-1355.08	0.0	-17.64	1319.01	-1.97	26.92	554.61
1.132e+06		1.132e+06	-87.56	0.02	0.0	322.5	-17.64	-36.07	-1.97	26.92	-87.56
1.339e+06		63 1.469e+06	94.65	-0.61	-1355.08	0.0	23.10	1391.15	1.73	-82.62	-469.67
1.239e+06		1.239e+06	-469.67	-0.02	0.0	322.5	23.10	36.07	1.73	-82.62	94.65
1.469e+06		78 2.083e+06	64.25	-0.87	-2010.40	0.0	8.03	2010.40	-0.19	-31.64	64.25
1.759e+06		1.759e+06	2.78	-9.95e-05	0.0	322.5	8.03	-1.78e-05	-0.19	-31.64	2.78
2.083e+06		79 1.744e+06	-13.93	-0.73	-1682.74	0.0	9.83	1682.74	0.70	-28.90	-240.99
1.472e+06		1.472e+06	-240.99	2.97e-03	0.0	322.5	9.83	-2.15e-05	0.70	-28.90	-13.93
1.744e+06		80 1.744e+06	314.75	-0.73	-1682.74	0.0	5.39	1682.74	-0.86	-31.61	314.75
1.472e+06		1.472e+06	37.10	-3.10e-03	0.0	322.5	5.39	-2.15e-05	-0.86	-31.61	37.10
1.744e+06		82 1.744e+06	168.58	-0.73	-1682.74	0.0	-50.46	1682.74	-0.56	-25.13	168.58
1.472e+06		1.472e+06	-10.74	-1.91e-04	0.0	322.5	-50.46	-2.15e-05	-0.56	-25.13	-10.74
1.744e+06		83 1.404e+06	44.68	-0.59	-1355.08	0.0	1.69	1355.08	-0.13	-29.12	44.68
1.186e+06		1.186e+06	2.95	-7.47e-05	0.0	322.5	1.69	-2.51e-05	-0.13	-29.12	2.95
1.404e+06		84 1.540e+06	46.38	-0.64	-1486.14	0.0	4.00	1486.14	-0.13	-28.35	46.38
1.300e+06		1.300e+06	3.51	-7.70e-05	0.0	322.5	4.00	-2.37e-05	-0.13	-28.35	3.51
1.540e+06		86 1.404e+06	42.47	-0.59	-1355.08	0.0	2.73	1355.08	-0.12	-27.85	42.47
1.186e+06		1.186e+06	3.55	-7.21e-05	0.0	322.5	2.73	-2.51e-05	-0.12	-27.85	3.55
1.404e+06		2 2.232e+06	0.86	0.96	-2153.75	0.0	0.20	0.0	-0.05	-37.42	0.86
2.232e+06		1.884e+06	-14.90	6.26e-05	0.0	322.5	0.20	-2153.75	-0.05	-37.42	-14.90

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1.884e+06 115	3	2.971e+06	3.87	1.28	-2867.46	0.0	10.85	0.0	-0.12	-41.92	3.87
2.971e+06		2.509e+06	-34.18	7.71e-05	0.0	322.5	10.85	-2867.46	-0.12	-41.92	-34.18
2.509e+06 115	5	2.462e+06	-21.20	1.06	-2375.97	0.0	13.73	0.0	-1.44	-37.81	-21.20
2.462e+06		2.079e+06	-485.44	2.25e-03	0.0	322.5	13.73	-2375.97	-1.44	-37.81	-485.44
2.079e+06 115	8	2.232e+06	382.92	0.96	-2153.75	0.0	6.03	0.0	1.02	-33.56	54.90
2.232e+06		1.884e+06	54.90	-2.11e-03	0.0	322.5	6.03	-2153.75	1.02	-33.56	382.92
1.884e+06 115	9	2.462e+06	75.44	1.06	-2375.97	0.0	28.95	0.0	0.20	-48.83	11.80
2.462e+06		2.079e+06	11.80	1.05e-04	0.0	322.5	28.95	-2375.97	0.20	-48.83	75.44
2.079e+06 115	12	2.232e+06	-16.87	0.96	-2153.75	0.0	-150.40	0.0	-0.32	-23.83	-16.87
2.232e+06		1.884e+06	-120.72	1.22e-04	0.0	322.5	-150.40	-2153.75	-0.32	-23.83	-120.72
1.884e+06 115	22	1.336e+06	-313.51	0.58	-1355.08	0.0	-86.63	-11.88	-8.96	6.72	-313.51
1.336e+06		1.129e+06	-3194.99	0.08	0.0	322.5	-86.63	-1366.96	-8.96	6.72	-3194.99
1.129e+06 115	23	1.472e+06	3159.48	0.63	-1355.08	0.0	92.35	11.88	8.83	-62.42	320.60
1.472e+06		1.242e+06	320.60	-0.08	0.0	322.5	92.35	-1343.20	8.83	-62.42	3159.48
1.242e+06 115	30	1.313e+06	-124.28	0.57	-1355.08	0.0	-213.40	31.68	-6.91	48.97	-124.28
1.313e+06		1.110e+06	-2346.61	0.04	0.0	322.5	-213.40	-1323.40	-6.91	48.97	-2346.61
1.110e+06 115	31	1.495e+06	2311.10	0.64	-1355.08	0.0	219.12	-31.68	6.78	-104.67	131.37
1.495e+06		1.262e+06	131.37	-0.04	0.0	322.5	219.12	-1386.77	6.78	-104.67	2311.10
1.262e+06 115	42	1.320e+06	-109.01	0.57	-1355.08	0.0	-269.86	29.60	-3.57	65.93	-109.01
1.320e+06		1.116e+06	-1253.55	-0.02	0.0	322.5	-269.86	-1325.48	-3.57	65.93	-1253.55
1.116e+06 115	43	1.488e+06	1218.04	0.64	-1355.08	0.0	275.58	-29.60	3.44	-121.62	116.10
1.488e+06		1.255e+06	116.10	0.02	0.0	322.5	275.58	-1384.68	3.44	-121.62	1218.04
1.255e+06 115	54	1.355e+06	-222.33	0.59	-1355.08	0.0	-60.92	-8.44	-6.41	-3.22	-222.33
1.355e+06		1.145e+06	-2282.61	0.05	0.0	322.5	-60.92	-1363.53	-6.41	-3.22	-2282.61
1.145e+06 115	55	1.453e+06	2247.10	0.62	-1355.08	0.0	66.64	8.44	6.28	-52.48	229.42
1.453e+06		1.226e+06	229.42	-0.05	0.0	322.5	66.64	-1346.64	6.28	-52.48	2247.10
1.226e+06 115	62	1.339e+06	-87.56	0.58	-1355.08	0.0	-151.35	22.59	-4.95	26.92	-87.56
1.339e+06		1.131e+06	-1678.28	0.03	0.0	322.5	-151.35	-1332.49	-4.95	26.92	-1678.28
1.131e+06 115	63	1.469e+06	1642.77	0.63	-1355.08	0.0	157.07	-22.59	4.81	-82.62	94.65
1.469e+06		1.240e+06	94.65	-0.03	0.0	322.5	157.07	-1377.67	4.81	-82.62	1642.77
1.240e+06 115	74	1.344e+06	-76.65	0.58	-1355.08	0.0	-191.62	21.12	-2.57	39.01	-76.65
1.344e+06		1.136e+06	-899.34	-0.01	0.0	322.5	-191.62	-1333.97	-2.57	39.01	-899.34
1.136e+06 115	75	1.464e+06	863.83	0.63	-1355.08	0.0	197.34	-21.12	2.43	-94.71	83.74

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1.464e+06											
	1.235e+06	83.74	0.01	0.0	322.5	197.34	-1376.20	2.43	-94.71	863.83	
1.235e+06											
115	77 1.744e+06	1.07	0.75	-1682.74	0.0	1.45	0.0	-0.05	-34.19	1.07	
1.744e+06											
	1.472e+06	-15.86	4.66e-05	0.0	322.5	1.45	-1682.74	-0.05	-34.19	-15.86	
1.472e+06											
115	78 2.083e+06	2.78	0.90	-2010.40	0.0	7.76	0.0	-0.09	-31.64	2.78	
2.083e+06											
	1.759e+06	-25.16	5.39e-05	0.0	322.5	7.76	-2010.40	-0.09	-31.64	-25.16	
1.759e+06											
115	79 1.744e+06	-13.93	0.75	-1682.74	0.0	9.68	0.0	-0.97	-28.90	-13.93	
1.744e+06											
	1.472e+06	-326.00	1.50e-03	0.0	322.5	9.68	-1682.74	-0.97	-28.90	-326.00	
1.472e+06											
115	80 1.744e+06	249.36	0.75	-1682.74	0.0	5.34	0.0	0.66	-31.61	37.10	
1.744e+06											
	1.472e+06	37.10	-1.41e-03	0.0	322.5	5.34	-1682.74	0.66	-31.61	249.36	
1.472e+06											
115	81 1.744e+06	47.92	0.75	-1682.74	0.0	19.83	0.0	0.12	-36.25	8.07	
1.744e+06											
	1.472e+06	8.07	7.10e-05	0.0	322.5	19.83	-1682.74	0.12	-36.25	47.92	
1.472e+06											
115	82 1.744e+06	-10.74	0.75	-1682.74	0.0	-98.94	0.0	-0.23	-25.13	-10.74	
1.744e+06											
	1.472e+06	-86.40	8.80e-05	0.0	322.5	-98.94	-1682.74	-0.23	-25.13	-86.40	
1.472e+06											
115	83 1.404e+06	2.95	0.61	-1355.08	0.0	1.76	0.0	-0.06	-29.12	2.95	
1.404e+06											
	1.186e+06	-16.16	4.06e-05	0.0	322.5	1.76	-1355.08	-0.06	-29.12	-16.16	
1.186e+06											
115	84 1.540e+06	3.51	0.66	-1486.14	0.0	4.06	0.0	-0.07	-28.35	3.51	
1.540e+06											
	1.300e+06	-19.56	4.35e-05	0.0	322.5	4.06	-1486.14	-0.07	-28.35	-19.56	
1.300e+06											
115	85 1.404e+06	3.55	0.61	-1355.08	0.0	2.86	0.0	-0.07	-27.85	3.55	
1.404e+06											
	1.186e+06	-17.76	4.08e-05	0.0	322.5	2.86	-1355.08	-0.07	-27.85	-17.76	
1.186e+06											
115	86 1.404e+06	3.55	0.61	-1355.08	0.0	2.86	0.0	-0.07	-27.85	3.55	
1.404e+06											
	1.186e+06	-17.76	4.08e-05	0.0	322.5	2.86	-1355.08	-0.07	-27.85	-17.76	
1.186e+06											
116	2 1.909e+06	55.55	-4.33	-3348.92	0.0	65.04	5530.79	0.32	-68.87	-104.04	0.0
		0.0	-104.04	-7.66e-04	0.0	495.0	65.04	2181.87	0.32	-68.87	55.55
1.909e+06											
116	3 2.542e+06	64.75	-5.76	-4458.85	0.0	115.45	7363.86	0.40	-76.67	-135.14	0.0
		0.0	-135.14	-7.85e-04	0.0	495.0	115.45	2905.01	0.40	-76.67	64.75
2.542e+06											
116	6 1.909e+06	855.11	-4.33	-3348.92	0.0	61.53	5530.79	-2.74	-52.45	855.11	0.0
		0.0	-501.81	0.01	0.0	495.0	61.53	2181.87	-2.74	-52.45	-501.81
1.909e+06											
116	7 2.105e+06	522.59	-4.78	-3693.33	0.0	93.05	6099.59	3.01	-78.81	-969.11	0.0
		0.0	-969.11	-0.01	0.0	495.0	93.05	2406.26	3.01	-78.81	522.59
2.105e+06											
116	10 1.909e+06	288.45	-4.34	-3348.92	0.0	8.87	5530.79	-0.59	-77.21	288.45	0.0
		0.0	-5.35	-1.59e-03	0.0	495.0	8.87	2181.87	-0.59	-77.21	-5.35
1.909e+06											
116	13 1.312e+06	5534.49	-2.58	-2104.95	0.0	71.81	3702.00	-17.03	-54.85	5534.49	0.0
		0.0	-2933.62	-6.12e-03	0.0	495.0	71.81	1597.05	-17.03	-54.85	-2933.62
1.312e+06											
116	25 1.138e+06	8866.83	-2.60	-2104.95	0.0	62.47	3677.10	-24.91	-10.04	8866.83	0.0
		0.0	-3487.69	0.18	0.0	495.0	62.47	1572.15	-24.91	-10.04	-3487.69
1.138e+06											
116	28 1.261e+06	3556.20	-2.85	-2104.95	0.0	24.34	3275.61	25.32	-91.29	-9004.42	0.0
		0.0	-9004.42	-0.18	0.0	495.0	24.34	1170.66	25.32	-91.29	3556.20

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1.288e+06		1.288e+06	-9.85	0.02	0.0	322.5	436.23	-1396.82	4.49	-213.90	1435.52
119	46	1.324e+06	-136.55	0.57	-1371.41	0.0	-72.40	-51.37	-5.46	25.48	-136.55
1.324e+06		1.119e+06	-1895.97	0.01	0.0	322.5	-72.40	-1422.78	-5.46	25.48	-1895.97
1.119e+06		1.518e+06	1845.31	0.64	-1371.41	0.0	90.38	51.37	5.23	-126.81	161.76
119	47	1.518e+06	1845.31	0.64	-1371.41	0.0	90.38	51.37	5.23	-126.81	161.76
1.518e+06		1.280e+06	161.76	-9.90e-03	0.0	322.5	90.38	-1320.04	5.23	-126.81	1845.31
1.280e+06		1.326e+06	-128.08	0.58	-1371.41	0.0	-95.04	-33.09	-5.74	15.55	-128.08
119	50	1.326e+06	-128.08	0.58	-1371.41	0.0	-95.04	-33.09	-5.74	15.55	-128.08
1.326e+06		1.121e+06	-1976.70	-6.92e-03	0.0	322.5	-95.04	-1404.50	-5.74	15.55	-1976.70
1.121e+06		1.516e+06	1926.03	0.64	-1371.41	0.0	113.02	33.09	5.50	-116.88	153.29
119	51	1.516e+06	1926.03	0.64	-1371.41	0.0	113.02	33.09	5.50	-116.88	153.29
1.516e+06		1.279e+06	153.29	7.05e-03	0.0	322.5	113.02	-1338.32	5.50	-116.88	1926.03
1.279e+06		1.387e+06	28.69	0.59	-1371.41	0.0	-295.63	18.14	-3.40	65.74	28.69
119	74	1.387e+06	28.69	0.59	-1371.41	0.0	-295.63	18.14	-3.40	65.74	28.69
1.387e+06		1.137e+06	-1066.58	-0.01	0.0	322.5	-295.63	-1353.27	-3.40	65.74	-1066.58
1.137e+06		1.456e+06	1015.92	0.63	-1371.41	0.0	313.61	-18.14	3.17	-167.06	-3.48
119	75	1.456e+06	1015.92	0.63	-1371.41	0.0	313.61	-18.14	3.17	-167.06	-3.48
1.456e+06		1.263e+06	-3.48	0.01	0.0	322.5	313.61	-1389.55	3.17	-167.06	1015.92
1.263e+06		1.765e+06	17.72	0.76	-1703.90	0.0	9.11	0.0	-0.19	-61.69	17.72
119	77	1.765e+06	17.72	0.76	-1703.90	0.0	9.11	0.0	-0.19	-61.69	17.72
1.765e+06		1.491e+06	-43.56	8.39e-05	0.0	322.5	9.11	-1703.90	-0.19	-61.69	-43.56
1.491e+06		2.110e+06	14.14	0.91	-2036.40	0.0	23.03	0.0	-0.13	-57.42	14.14
119	78	2.110e+06	14.14	0.91	-2036.40	0.0	23.03	0.0	-0.13	-57.42	14.14
2.110e+06		1.782e+06	-27.70	8.08e-05	0.0	322.5	23.03	-2036.40	-0.13	-57.42	-27.70
1.782e+06		1.765e+06	33.01	0.76	-1703.90	0.0	19.46	0.0	-1.19	-50.74	33.01
119	79	1.765e+06	33.01	0.76	-1703.90	0.0	19.46	0.0	-1.19	-50.74	33.01
1.765e+06		1.491e+06	-351.42	1.61e-03	0.0	322.5	19.46	-1703.90	-1.19	-50.74	-351.42
1.491e+06		1.765e+06	233.23	0.76	-1703.90	0.0	15.50	0.0	0.63	-58.85	29.61
119	80	1.765e+06	233.23	0.76	-1703.90	0.0	15.50	0.0	0.63	-58.85	29.61
1.765e+06		1.491e+06	29.61	-1.42e-03	0.0	322.5	15.50	-1703.90	0.63	-58.85	233.23
1.491e+06		1.765e+06	76.39	0.76	-1703.90	0.0	47.66	0.0	0.24	-67.25	-1.30
119	81	1.765e+06	76.39	0.76	-1703.90	0.0	47.66	0.0	0.24	-67.25	-1.30
1.765e+06		1.491e+06	-1.30	1.23e-04	0.0	322.5	47.66	-1703.90	0.24	-67.25	76.39
1.491e+06		1.765e+06	41.10	0.76	-1703.90	0.0	-124.02	0.0	-0.77	-43.88	41.10
119	82	1.765e+06	41.10	0.76	-1703.90	0.0	-124.02	0.0	-0.77	-43.88	41.10
1.765e+06		1.491e+06	-208.59	1.55e-04	0.0	322.5	-124.02	-1703.90	-0.77	-43.88	-208.59
1.491e+06		1.421e+06	13.85	0.61	-1371.41	0.0	7.02	0.0	-0.14	-52.85	13.85
119	83	1.421e+06	13.85	0.61	-1371.41	0.0	7.02	0.0	-0.14	-52.85	13.85
1.421e+06		1.200e+06	-30.20	6.94e-05	0.0	322.5	7.02	-1371.41	-0.14	-52.85	-30.20
1.200e+06		1.559e+06	12.66	0.67	-1504.41	0.0	12.19	0.0	-0.12	-51.58	12.66
119	84	1.559e+06	12.66	0.67	-1504.41	0.0	12.19	0.0	-0.12	-51.58	12.66
1.559e+06		1.316e+06	-24.83	6.91e-05	0.0	322.5	12.19	-1504.41	-0.12	-51.58	-24.83
1.316e+06		1.421e+06	12.60	0.61	-1371.41	0.0	8.99	0.0	-0.12	-50.66	12.60
119	86	1.421e+06	12.60	0.61	-1371.41	0.0	8.99	0.0	-0.12	-50.66	12.60
1.421e+06		1.200e+06	-25.33	6.67e-05	0.0	322.5	8.99	-1371.41	-0.12	-50.66	-25.33
1.200e+06		2.574e+06	149.91	-5.85	-4516.49	0.0	14.91	7459.05	1.18	-132.63	-434.29 0.0
120	3	2.574e+06	149.91	-5.85	-4516.49	0.0	14.91	7459.05	1.18	-132.63	-434.29 0.0
2.574e+06		0.0	-434.29	-9.19e-04	0.0	495.0	14.91	2942.56	1.18	-132.63	149.91
120	5	2.132e+06	1009.52	-4.85	-3739.83	0.0	109.48	6176.39	-3.29	-122.61	1009.52 0.0

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		0.0	-617.65	0.01	0.0	495.0	109.48	2436.56	-3.29	-122.61	-617.65
2.132e+06											
120	6	1.933e+06	1058.80	-4.40	-3392.07	0.0	108.19	5602.06	-3.42	-99.35	1058.80 0.0
		0.0	-634.42	0.01	0.0	495.0	108.19	2209.99	-3.42	-99.35	-634.42
1.933e+06											
120	10	1.933e+06	871.80	-4.40	-3392.07	0.0	-144.46	5602.06	-2.10	-132.79	871.80 0.0
		0.0	-168.94	-2.50e-03	0.0	495.0	-144.46	2209.99	-2.10	-132.79	-168.94
1.933e+06											
120	11	2.132e+06	499.54	-4.84	-3739.83	0.0	55.21	6176.39	4.77	-97.91	-1861.94 0.0
		0.0	-1861.94	3.37e-03	0.0	495.0	55.21	2436.56	4.77	-97.91	499.54
2.132e+06											
120	13	1.418e+06	6381.24	-2.46	-2130.01	0.0	-119.82	3930.23	-19.05	-133.63	6381.24 0.0
		0.0	-3048.69	-7.93e-03	0.0	495.0	-119.82	1800.22	-19.05	-133.63	-3048.69
1.418e+06											
120	33	1.353e+06	1.117e+04	-2.90	-2130.01	0.0	-249.09	3797.36	-28.82	-333.75	1.117e+04 0.0
		0.0	-3098.28	-0.13	0.0	495.0	-249.09	1667.35	-28.82	-333.75	-3098.28
1.353e+06											
120	36	1.076e+06	3237.35	-2.62	-2130.01	0.0	265.14	3238.13	29.86	160.08	-1.155e+04 0.0
		0.0	-1.155e+04	0.12	0.0	495.0	265.14	1108.12	29.86	160.08	3237.35
1.076e+06											
120	37	1.356e+06	9871.46	-2.88	-2130.01	0.0	-432.03	3803.88	-25.54	-364.28	9871.46 0.0
		0.0	-2772.56	0.17	0.0	495.0	-432.03	1673.87	-25.54	-364.28	-2772.56
1.356e+06											
120	41	1.350e+06	9879.27	-2.89	-2130.01	0.0	-458.87	3791.65	-25.35	-366.79	9879.27 0.0
		0.0	-2669.27	0.19	0.0	495.0	-458.87	1661.64	-25.35	-366.79	-2669.27
1.350e+06											
120	44	1.079e+06	2808.34	-2.63	-2130.01	0.0	474.92	3243.84	26.39	193.12	-1.026e+04 0.0
		0.0	-1.026e+04	-0.20	0.0	495.0	474.92	1113.83	26.39	193.12	2808.34
1.079e+06											
120	45	1.360e+06	4494.33	-2.55	-2130.01	0.0	-83.15	3811.77	-13.43	-120.22	4494.33 0.0
		0.0	-2152.79	-5.62e-03	0.0	495.0	-83.15	1681.76	-13.43	-120.22	-2152.79
1.360e+06											
120	65	1.313e+06	7910.23	-2.86	-2130.01	0.0	-175.41	3717.08	-20.40	-262.91	7910.23 0.0
		0.0	-2189.21	-0.09	0.0	495.0	-175.41	1587.07	-20.40	-262.91	-2189.21
1.313e+06											
120	68	1.115e+06	2328.28	-2.66	-2130.01	0.0	191.46	3318.40	21.44	89.23	-8287.37 0.0
		0.0	-8287.37	0.09	0.0	495.0	191.46	1188.39	21.44	89.23	2328.28
1.115e+06											
120	69	1.315e+06	6986.06	-2.85	-2130.01	0.0	-305.86	3721.75	-18.06	-284.68	6986.06 0.0
		0.0	-1957.06	0.12	0.0	495.0	-305.86	1591.74	-18.06	-284.68	-1957.06
1.315e+06											
120	73	1.311e+06	6991.17	-2.85	-2130.01	0.0	-324.99	3713.01	-17.93	-286.47	6991.17 0.0
		0.0	-1883.22	0.14	0.0	495.0	-324.99	1583.00	-17.93	-286.47	-1883.22
1.311e+06											
120	76	1.117e+06	2022.28	-2.67	-2130.01	0.0	341.04	3322.48	18.97	112.79	-7368.31 0.0
		0.0	-7368.31	-0.14	0.0	495.0	341.04	1192.47	18.97	112.79	2022.28
1.117e+06											
120	78	1.804e+06	107.40	-4.10	-3165.55	0.0	10.52	5227.95	0.85	-98.76	-311.43 0.0
		0.0	-311.43	-6.54e-04	0.0	495.0	10.52	2062.40	0.85	-98.76	107.40
1.804e+06											
120	79	1.509e+06	651.11	-3.43	-2647.78	0.0	73.57	4372.85	-2.13	-92.08	651.11 0.0
		0.0	-404.31	7.75e-03	0.0	495.0	73.57	1725.07	-2.13	-92.08	-404.31
1.509e+06											
120	81	1.509e+06	526.45	-3.43	-2647.78	0.0	-94.86	4372.85	-1.25	-114.37	526.45 0.0
		0.0	-93.99	-1.65e-03	0.0	495.0	-94.86	1725.07	-1.25	-114.37	-93.99
1.509e+06											
120	82	1.509e+06	340.48	-3.43	-2647.78	0.0	37.38	4372.85	3.24	-75.61	-1263.19 0.0
		0.0	-1263.19	2.27e-03	0.0	495.0	37.38	1725.07	3.24	-75.61	340.48
1.509e+06											
120	84	1.332e+06	76.57	-3.03	-2337.12	0.0	8.48	3859.79	0.58	-88.47	-211.92 0.0
		0.0	-211.92	-5.54e-04	0.0	495.0	8.48	1522.67	0.58	-88.47	76.57
1.332e+06											
120	85	1.214e+06	69.53	-2.76	-2130.01	0.0	8.03	3517.74	0.52	-86.84	-188.57 0.0
		0.0	-188.57	-5.36e-04	0.0	495.0	8.03	1387.73	0.52	-86.84	69.53
1.214e+06											
120	86	1.214e+06	69.53	-2.76	-2130.01	0.0	8.03	3517.74	0.52	-86.84	-188.57 0.0

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		0.0	-188.57	-5.36e-04	0.0	495.0	8.03	1387.73	0.52	-86.84	69.53
1.214e+06											
121	3	2.574e+06	305.56	5.88	-4516.49	0.0	8.53	-2942.56	0.80	-132.63	-91.88
2.574e+06											
		0.0	-91.88	3.45e-04	0.0	495.0	8.53	-7459.05	0.80	-132.63	305.56 0.0
121	4	2.376e+06	275.78	5.42	-4168.73	0.0	8.69	-2715.99	0.72	-109.37	-82.03
2.376e+06											
		0.0	-82.03	3.47e-04	0.0	495.0	8.69	-6884.72	0.72	-109.37	275.78 0.0
121	5	2.132e+06	1761.02	4.86	-3739.83	0.0	123.77	-2436.56	5.31	-122.61	-868.02
2.132e+06											
		0.0	-868.02	-3.65e-03	0.0	495.0	123.77	-6176.39	5.31	-122.61	1761.02 0.0
121	6	1.933e+06	1731.25	4.41	-3392.07	0.0	123.93	-2209.99	5.23	-99.35	-858.16
1.933e+06											
		0.0	-858.16	-3.61e-03	0.0	495.0	123.93	-5602.06	5.23	-99.35	1731.25 0.0
121	11	2.132e+06	1263.79	4.87	-3739.83	0.0	-230.88	-2436.56	3.09	-97.91	-267.96
2.132e+06											
		0.0	-267.96	1.82e-03	0.0	495.0	-230.88	-6176.39	3.09	-97.91	1263.79 0.0
121	13	1.420e+06	1441.12	2.47	-2130.01	0.0	36.97	-1689.41	6.16	-133.63	-1609.19
1.420e+06											
		0.0	-1609.19	-0.04	0.0	495.0	36.97	-3819.42	6.16	-133.63	1441.12 0.0
121	30	1.173e+06	1.141e+04	2.53	-2130.01	0.0	-311.58	-1685.41	29.71	175.06	-3303.08
1.173e+06											
		0.0	-3303.08	0.07	0.0	495.0	-311.58	-3815.42	29.71	175.06	1.141e+04 0.0
121	31	1.255e+06	3216.03	3.01	-2130.01	0.0	317.55	-1090.06	-29.02	-348.73	3216.03
1.255e+06											
		0.0	-1.115e+04	-0.07	0.0	495.0	317.55	-3220.07	-29.02	-348.73	-1.115e+04 0.0
121	32	1.067e+06	8822.49	2.73	-2130.01	0.0	-278.35	-1470.19	21.66	157.57	-1902.97
1.067e+06											
		0.0	-1902.97	0.08	0.0	495.0	-278.35	-3600.20	21.66	157.57	8822.49 0.0
121	42	1.171e+06	9355.78	2.55	-2130.01	0.0	-577.16	-1109.64	24.13	205.59	-2592.02
1.171e+06											
		0.0	-2592.02	-0.04	0.0	495.0	-577.16	-3239.65	24.13	205.59	9355.78 0.0
121	43	1.257e+06	2504.97	2.98	-2130.01	0.0	583.13	-1665.82	-23.44	-379.26	2504.97
1.257e+06											
		0.0	-9099.53	0.04	0.0	495.0	583.13	-3795.83	-23.44	-379.26	-9099.53 0.0
121	45	1.361e+06	1062.82	2.55	-2130.01	0.0	27.47	-1602.75	4.49	-120.22	-1159.25
1.361e+06											
		0.0	-1159.25	-0.03	0.0	495.0	27.47	-3732.76	4.49	-120.22	1062.82 0.0
121	62	1.185e+06	8172.38	2.60	-2130.01	0.0	-221.38	-1599.99	21.29	99.91	-2367.86
1.185e+06											
		0.0	-2367.86	0.05	0.0	495.0	-221.38	-3730.00	21.29	99.91	8172.38 0.0
121	63	1.243e+06	2280.81	2.94	-2130.01	0.0	227.35	-1175.48	-20.60	-273.58	2280.81
1.243e+06											
		0.0	-7916.13	-0.05	0.0	495.0	227.35	-3305.49	-20.60	-273.58	-7916.13 0.0
121	64	1.109e+06	6329.46	2.74	-2130.01	0.0	-197.81	-1446.58	15.55	87.44	-1369.87
1.109e+06											
		0.0	-1369.87	0.06	0.0	495.0	-197.81	-3576.59	15.55	87.44	6329.46 0.0
121	74	1.183e+06	6710.00	2.62	-2130.01	0.0	-410.78	-1189.49	17.31	121.68	-1861.23
1.183e+06											
		0.0	-1861.23	-0.03	0.0	495.0	-410.78	-3319.50	17.31	121.68	6710.00 0.0
121	75	1.245e+06	1774.18	2.92	-2130.01	0.0	416.75	-1585.98	-16.62	-295.35	1774.18
1.245e+06											
		0.0	-6453.75	0.03	0.0	495.0	416.75	-3715.99	-16.62	-295.35	-6453.75 0.0
121	78	1.804e+06	216.94	4.12	-3165.55	0.0	5.62	-2062.40	0.57	-98.76	-65.64
1.804e+06											
		0.0	-65.64	2.29e-04	0.0	495.0	5.62	-5227.95	0.57	-98.76	216.94 0.0
121	79	1.509e+06	1187.25	3.44	-2647.78	0.0	82.45	-1725.07	3.58	-92.08	-583.06
1.509e+06											
		0.0	-583.06	-2.45e-03	0.0	495.0	82.45	-4372.85	3.58	-92.08	1187.25 0.0
121	82	1.509e+06	855.76	3.45	-2647.78	0.0	-153.99	-1725.07	2.10	-75.61	-183.02
1.509e+06											
		0.0	-183.02	1.21e-03	0.0	495.0	-153.99	-4372.85	2.10	-75.61	855.76 0.0
121	83	1.214e+06	122.39	2.77	-2130.01	0.0	2.84	-1387.73	0.33	-90.62	-41.79
1.214e+06											
		0.0	-41.79	-1.30e-04	0.0	495.0	2.84	-3517.74	0.33	-90.62	122.39 0.0
121	84	1.332e+06	147.04	3.04	-2337.12	0.0	3.54	-1522.67	0.39	-88.47	-48.30

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1.332e+06		0.0	-48.30	-1.60e-04	0.0	495.0	3.54	-3859.79	0.39	-88.47	147.04	0.0
121	86	1.214e+06	128.13	2.77	-2130.01	0.0	2.98	-1387.73	0.35	-86.84	-43.53	
1.214e+06		0.0	-43.53	-1.43e-04	0.0	495.0	2.98	-3517.74	0.35	-86.84	128.13	0.0
122	2	2.290e+06	118.93	-0.97	-2209.99	0.0	3.70	2209.99	-0.29	-120.28	118.93	
1.933e+06		1.933e+06	24.29	-2.54e-04	0.0	322.5	3.70	-3.19e-05	-0.29	-120.28	24.29	
2.290e+06		3	3.049e+06	149.91	-1.29	-2942.56	0.0	10.44	2942.56	-0.37	-132.63	149.91
2.574e+06		2.574e+06	29.20	-2.97e-04	0.0	322.5	10.44	-4.49e-05	-0.37	-132.63	29.20	
3.049e+06		5	2.525e+06	211.05	-1.06	-2436.56	0.0	84.77	2436.56	2.57	-122.61	-617.65
2.132e+06		2.132e+06	-617.65	4.03e-03	0.0	322.5	84.77	-3.21e-05	2.57	-122.61	211.05	
2.525e+06		6	2.290e+06	209.13	-0.97	-2209.99	0.0	84.72	2209.99	2.62	-99.35	-634.42
1.933e+06		1.933e+06	-634.42	4.06e-03	0.0	322.5	84.72	-3.19e-05	2.62	-99.35	209.13	
2.290e+06		7	2.525e+06	634.29	-1.07	-2436.56	0.0	-26.88	2436.56	-2.00	-129.56	634.29
2.132e+06		2.132e+06	-10.38	-4.63e-03	0.0	322.5	-26.88	-3.21e-05	-2.00	-129.56	-10.38	
2.525e+06		12	2.290e+06	482.76	-0.96	-2209.99	0.0	-59.90	2209.99	-1.59	-74.65	482.76
1.933e+06		1.933e+06	-30.29	-5.51e-04	0.0	322.5	-59.90	-3.19e-05	-1.59	-74.65	-30.29	
2.290e+06		13	1.686e+06	-427.07	-0.54	-1387.73	0.0	-42.21	1524.89	8.12	-133.63	-3048.69
1.065e+06		1.065e+06	-3048.69	7.70e-03	0.0	322.5	-42.21	137.15	8.12	-133.63	-427.07	
1.686e+06		14	1.619e+06	-460.57	-0.50	-1387.73	0.0	-75.55	1485.42	3.26	18.26	-1508.71
1.010e+06		1.010e+06	-1508.71	0.03	0.0	322.5	-75.55	97.68	3.26	18.26	-460.57	
1.619e+06		22	1.594e+06	-456.04	-0.51	-1387.73	0.0	-80.89	1472.49	2.22	9.89	-1164.41
1.343e+06		1.343e+06	-1164.41	0.09	0.0	322.5	-80.89	84.76	2.22	9.89	-456.04	
1.594e+06		23	1.282e+06	1303.48	-0.71	-1387.73	0.0	84.56	1302.97	-2.55	-183.56	1303.48
1.085e+06		1.085e+06	489.32	-0.09	0.0	322.5	84.56	-84.76	-2.55	-183.56	489.32	
1.281e+06		29	1.615e+06	-65.66	-0.64	-1387.73	0.0	39.18	1488.74	9.70	-331.24	-3201.57
1.253e+06		1.253e+06	-3201.57	-0.02	0.0	322.5	39.18	101.01	9.70	-331.24	-65.66	
1.615e+06		32	1.282e+06	3340.64	-0.57	-1387.73	0.0	-35.51	1286.73	-10.03	157.57	3340.64
1.176e+06		1.176e+06	98.94	0.02	0.0	322.5	-35.51	-101.01	-10.03	157.57	98.94	
1.261e+06		45	1.615e+06	-299.47	-0.56	-1387.73	0.0	-29.54	1485.50	5.74	-120.22	-2152.79
1.108e+06		1.108e+06	-2152.79	5.45e-03	0.0	322.5	-29.54	97.77	5.74	-120.22	-299.47	
1.615e+06		46	1.567e+06	-323.35	-0.53	-1387.73	0.0	-53.32	1457.35	2.27	-11.91	-1054.40
1.069e+06		1.069e+06	-1054.40	0.02	0.0	322.5	-53.32	69.62	2.27	-11.91	-323.35	
1.567e+06		54	1.549e+06	-320.01	-0.54	-1387.73	0.0	-57.13	1448.12	1.53	-17.88	-808.26
1.306e+06		1.306e+06	-808.26	0.06	0.0	322.5	-57.13	60.39	1.53	-17.88	-320.01	
1.549e+06		55	1.327e+06	947.32	-0.68	-1387.73	0.0	60.80	1327.35	-1.86	-155.80	947.32

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1.122e+06		1.122e+06	353.29	-0.06	0.0	322.5	60.80	-60.39	-1.86	-155.80	353.29
1.326e+06		1.326e+06									
122	61	1.564e+06	-41.97	-0.63	-1387.73	0.0	28.48	1459.77	6.87	-261.12	-2263.06
1.242e+06		1.242e+06	-2263.06	-0.02	0.0	322.5	28.48	72.03	6.87	-261.12	-41.97
1.564e+06		1.564e+06									
122	64	1.323e+06	2402.12	-0.58	-1387.73	0.0	-24.81	1315.70	-7.20	87.44	2402.12
1.187e+06		1.187e+06	75.25	0.02	0.0	322.5	-24.81	-72.03	-7.20	87.44	75.25
1.312e+06		1.312e+06									
122	77	1.787e+06	97.92	-0.75	-1725.07	0.0	2.53	1725.07	-0.25	-106.03	97.92
1.509e+06		1.509e+06	18.32	-2.04e-04	0.0	322.5	2.53	-2.15e-05	-0.25	-106.03	18.32
1.787e+06		1.787e+06									
122	78	2.137e+06	107.40	-0.90	-2062.40	0.0	6.98	2062.40	-0.27	-98.76	107.40
1.804e+06		1.804e+06	20.32	-2.12e-04	0.0	322.5	6.98	-3.00e-05	-0.27	-98.76	20.32
2.137e+06		2.137e+06									
122	79	1.787e+06	141.55	-0.75	-1725.07	0.0	56.54	1725.07	1.69	-92.08	-404.31
1.509e+06		1.509e+06	-404.31	2.68e-03	0.0	322.5	56.54	-2.15e-05	1.69	-92.08	141.55
1.787e+06		1.787e+06									
122	80	1.787e+06	430.31	-0.75	-1725.07	0.0	-17.90	1725.07	-1.35	-96.71	430.31
1.509e+06		1.509e+06	-6.07	-3.10e-03	0.0	322.5	-17.90	-2.15e-05	-1.35	-96.71	-6.07
1.787e+06		1.787e+06									
122	82	1.787e+06	340.48	-0.75	-1725.07	0.0	-39.87	1725.07	-1.11	-75.61	340.48
1.509e+06		1.509e+06	-18.07	-4.01e-04	0.0	322.5	-39.87	-2.15e-05	-1.11	-75.61	-18.07
1.787e+06		1.787e+06									
122	83	1.438e+06	72.23	-0.61	-1387.73	0.0	1.30	1387.73	-0.17	-90.62	72.23
1.214e+06		1.214e+06	16.60	-1.58e-04	0.0	322.5	1.30	-1.29e-05	-0.17	-90.62	16.60
1.438e+06		1.438e+06									
122	84	1.578e+06	76.57	-0.67	-1522.67	0.0	2.97	1522.67	-0.18	-88.47	76.57
1.332e+06		1.332e+06	17.38	-1.63e-04	0.0	322.5	2.97	-1.64e-05	-0.18	-88.47	17.38
1.578e+06		1.578e+06									
122	86	1.438e+06	69.53	-0.61	-1387.73	0.0	1.84	1387.73	-0.16	-86.84	69.53
1.214e+06		1.214e+06	16.64	-1.52e-04	0.0	322.5	1.84	-1.29e-05	-0.16	-86.84	16.64
1.438e+06		1.438e+06									
123	2	2.290e+06	24.29	0.98	-2209.99	0.0	2.74	0.0	-0.25	-120.28	24.29
2.290e+06		1.933e+06	-56.31	1.75e-04	0.0	322.5	2.74	-2209.99	-0.25	-120.28	-56.31
1.933e+06		1.933e+06									
123	3	3.049e+06	29.20	1.30	-2942.56	0.0	8.83	0.0	-0.38	-132.63	29.20
3.049e+06		2.574e+06	-91.88	2.01e-04	0.0	322.5	8.83	-2942.56	-0.38	-132.63	-91.88
2.574e+06		2.574e+06									
123	5	2.525e+06	211.05	1.08	-2436.56	0.0	89.14	0.0	-3.35	-122.61	211.05
2.525e+06		2.132e+06	-868.02	2.71e-03	0.0	322.5	89.14	-2436.56	-3.35	-122.61	-868.02
2.132e+06		2.132e+06									
123	6	2.290e+06	209.13	0.98	-2209.99	0.0	89.41	0.0	-3.31	-99.35	209.13
2.290e+06		1.933e+06	-858.16	2.70e-03	0.0	322.5	89.41	-2209.99	-3.31	-99.35	-858.16
1.933e+06		1.933e+06									
123	8	2.290e+06	480.72	0.97	-2209.99	0.0	-30.97	0.0	1.53	-106.29	-12.29
2.290e+06		1.933e+06	-12.29	-2.15e-03	0.0	322.5	-30.97	-2209.99	1.53	-106.29	480.72
1.933e+06		1.933e+06									
123	11	2.525e+06	-28.38	1.08	-2436.56	0.0	-142.38	0.0	-0.74	-97.91	-28.38
2.525e+06		2.132e+06	-267.96	2.57e-04	0.0	322.5	-142.38	-2436.56	-0.74	-97.91	-267.96

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2.132e+06											
123	13	1.686e+06	-427.07	0.54	-1387.73	0.0	4.83	-97.62	-3.67	-133.63	-427.07
1.686e+06		1.065e+06	-1609.19	-0.01	0.0	322.5	4.83	-1485.35	-3.67	-133.63	-1609.19
1.065e+06		123	14	1.619e+06	-460.57	0.52	-1387.73	0.0	-124.88	-132.76	-8.34
1.619e+06		1.008e+06	-3144.89	0.01	0.0	322.5	-124.88	-1520.49	-8.34	18.26	-3144.89
1.008e+06		123	34	1.383e+06	-175.98	0.57	-1387.73	0.0	-231.99	-89.15	-9.84
1.383e+06		1.073e+06	-3340.90	0.06	0.0	322.5	-231.99	-1476.88	-9.84	172.55	-175.98
1.073e+06		123	35	1.501e+06	3253.84	0.66	-1387.73	0.0	234.20	89.15	9.46
1.493e+06		1.355e+06	209.26	-0.06	0.0	322.5	234.20	-1298.58	9.46	-346.22	209.26
1.355e+06		123	38	1.394e+06	-155.73	0.56	-1387.73	0.0	-335.67	24.05	-7.47
1.394e+06		1.070e+06	-2554.20	-0.04	0.0	322.5	-335.67	-1363.69	-7.47	208.10	-155.73
1.070e+06		123	39	1.493e+06	2467.15	0.66	-1387.73	0.0	337.89	-24.05	7.10
1.482e+06		1.358e+06	189.02	0.04	0.0	322.5	337.89	-1411.78	7.10	-381.77	189.02
1.358e+06		123	45	1.615e+06	-299.47	0.56	-1387.73	0.0	3.88	-69.55	-2.67
1.615e+06		1.108e+06	-1159.25	-7.16e-03	0.0	322.5	3.88	-1457.29	-2.67	-120.22	-299.47
1.108e+06		123	46	1.567e+06	-323.35	0.55	-1387.73	0.0	-88.64	-94.60	-6.00
1.567e+06		1.067e+06	-2254.46	9.75e-03	0.0	322.5	-88.64	-1482.34	-6.00	-11.91	-323.35
1.067e+06		123	66	1.398e+06	-120.58	0.58	-1387.73	0.0	-165.11	-63.54	-7.07
1.398e+06		1.113e+06	-2394.75	0.04	0.0	322.5	-165.11	-1451.27	-7.07	98.12	-120.58
1.113e+06		123	67	1.482e+06	2307.70	0.64	-1387.73	0.0	167.33	63.54	6.70
1.477e+06		1.315e+06	153.86	-0.04	0.0	322.5	167.33	-1324.20	6.70	-271.79	153.86
1.315e+06		123	70	1.406e+06	-106.20	0.58	-1387.73	0.0	-239.07	17.18	-5.38
1.406e+06		1.112e+06	-1834.34	-0.03	0.0	322.5	-239.07	-1370.55	-5.38	123.47	-106.20
1.112e+06		123	71	1.475e+06	1747.29	0.65	-1387.73	0.0	241.28	-17.18	5.01
1.469e+06		1.317e+06	139.48	0.03	0.0	322.5	241.28	-1404.92	5.01	-297.14	139.48
1.317e+06		123	77	1.787e+06	18.32	0.76	-1725.07	0.0	1.52	0.0	-0.21
1.787e+06		1.509e+06	-48.49	1.28e-04	0.0	322.5	1.52	-1725.07	-0.21	-106.03	18.32
1.509e+06		123	78	2.137e+06	20.32	0.91	-2062.40	0.0	5.76	0.0	-0.27
2.137e+06		1.804e+06	-65.64	1.40e-04	0.0	322.5	5.76	-2062.40	-0.27	-98.76	20.32
1.804e+06		123	79	1.787e+06	141.55	0.76	-1725.07	0.0	59.30	0.0	-2.25
1.787e+06		1.509e+06	-583.06	1.81e-03	0.0	322.5	59.30	-1725.07	-2.25	-92.08	141.55
1.509e+06		123	80	1.787e+06	309.53	0.76	-1725.07	0.0	-20.95	0.0	0.98
1.787e+06		1.509e+06	-6.07	-1.42e-03	0.0	322.5	-20.95	-1725.07	0.98	-96.71	-6.07
1.509e+06		123	82	1.787e+06	-18.07	0.76	-1725.07	0.0	-95.04	0.0	-0.51

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1.787e+06		1.509e+06	-183.02	1.77e-04	0.0	322.5	-95.04	-1725.07	-0.51	-75.61	-183.02
1.509e+06											
123	83	1.438e+06	16.60	0.61	-1387.73	0.0	0.56	0.0	-0.18	-90.62	16.60
1.438e+06											
		1.214e+06	-41.79	1.05e-04	0.0	322.5	0.56	-1387.73	-0.18	-90.62	-41.79
1.214e+06											
123	84	1.578e+06	17.38	0.67	-1522.67	0.0	2.15	0.0	-0.20	-88.47	17.38
1.578e+06											
		1.332e+06	-48.30	1.10e-04	0.0	322.5	2.15	-1522.67	-0.20	-88.47	-48.30
1.332e+06											
123	86	1.438e+06	16.64	0.61	-1387.73	0.0	1.11	0.0	-0.19	-86.84	16.64
1.438e+06											
		1.214e+06	-43.53	1.04e-04	0.0	322.5	1.11	-1387.73	-0.19	-86.84	-43.53
1.214e+06											
124	1	1.866e+05	8000.50	-0.07	-4079.40	0.0	2030.55	2880.04	33.52	1.300e+04	-9532.82
3.447e+05											
		-3.447e+05	-9532.82	1.84e-03	0.0	523.0	2030.55	-1199.36	33.52	1.300e+04	8000.50
9.480e+04											
124	8	1.071e+05	4585.19	-0.02	-3138.00	0.0	533.82	2166.75	19.53	7245.53	-5627.06
2.841e+05											
		-2.841e+05	-5627.06	-9.63e-04	0.0	523.0	533.82	-971.25	19.53	7245.53	4585.19
2.848e+04											
124	14	2.974e+05	7665.39	-0.08	-3138.00	0.0	5656.35	595.98	33.62	-1730.24	-9936.05
2.679e+05											
		-2.415e+05	-9936.05	-5.90e-03	0.0	523.0	5656.35	-2542.02	33.62	-1730.24	7665.39
2.415e+05											
124	15	1.148e+05	1148.30	0.06	-3138.00	0.0	-3984.98	2883.83	-3.30	1.266e+04	1148.30
5.785e+05											
		-5.785e+05	-591.94	5.68e-03	0.0	523.0	-3984.98	-254.17	-3.30	1.266e+04	-591.94
1.097e+05											
124	26	2.791e+05	8451.33	-0.08	-3138.00	0.0	5449.39	667.77	37.49	-2069.64	-1.117e+04
2.426e+05											
		-2.296e+05	-1.117e+04	0.01	0.0	523.0	5449.39	-2470.23	37.49	-2069.64	8451.33
2.296e+05											
124	46	2.172e+05	6475.73	-0.06	-3138.00	0.0	4272.45	924.85	28.31	335.03	-8343.29
1.463e+05											
		-1.910e+05	-8343.29	-4.24e-03	0.0	523.0	4272.45	-2213.15	28.31	335.03	6475.73
1.910e+05											
124	47	8.741e+04	597.72	0.04	-3138.00	0.0	-2601.07	2554.96	2.01	1.060e+04	-444.46
4.569e+05											
		-4.569e+05	-444.46	4.02e-03	0.0	523.0	-2601.07	-583.04	2.01	1.060e+04	597.72
5.916e+04											
124	58	2.074e+05	7032.61	-0.06	-3138.00	0.0	4124.75	976.36	31.06	92.99	-9224.53
1.282e+05											
		-1.824e+05	-9224.53	0.01	0.0	523.0	4124.75	-2161.64	31.06	92.99	7032.61
1.824e+05											
124	77	1.318e+05	5721.83	-0.05	-3138.00	0.0	1434.91	2123.46	24.01	9201.85	-6834.49
2.439e+05											
		-2.439e+05	-6834.49	1.17e-03	0.0	523.0	1434.91	-1014.54	24.01	9201.85	5721.83
4.612e+04											
124	80	9.329e+04	4027.20	-0.02	-3138.00	0.0	558.92	1953.10	17.16	6164.49	-4949.55
2.246e+05											
		-2.246e+05	-4949.55	-8.08e-04	0.0	523.0	558.92	-1184.90	17.16	6164.49	4027.20
2.370e+04											
124	83	1.031e+05	4164.55	-0.02	-3138.00	0.0	1005.32	1846.43	17.69	6560.40	-5085.56
1.805e+05											
		-1.805e+05	-5085.56	6.22e-04	0.0	523.0	1005.32	-1291.57	17.69	6560.40	4164.55
3.540e+04											
124	84	9.680e+04	3406.25	-0.01	-3138.00	0.0	803.96	1722.89	14.66	5207.53	-4263.43
1.504e+05											
		-1.504e+05	-4263.43	4.36e-04	0.0	523.0	803.96	-1415.11	14.66	5207.53	3406.25
6.993e+04											
124	86	9.692e+04	3536.72	-0.01	-3138.00	0.0	835.69	1739.91	15.16	5465.20	-4393.88
1.553e+05											
		-1.553e+05	-4393.88	4.65e-04	0.0	523.0	835.69	-1398.09	15.16	5465.20	3536.72

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6.592e+04 125	1	1.804e+05	1685.97	-0.09	-4079.40	0.0	1942.20	2708.34	3.33	-1762.53	-53.95	-
2.892e+05		-2.892e+05	-53.95	-3.83e-03	0.0	523.0	1942.20	-1371.06	3.33	-1762.53	1685.97	
6.046e+04 125	5	1.807e+05	4626.92	-0.06	-4079.40	0.0	1745.32	1925.66	16.08	1917.23	-3781.89	-
5.612e+04		-1.158e+05	-3781.89	-1.24e-03	0.0	523.0	1745.32	-2153.74	16.08	1917.23	4626.92	-
1.158e+05 125	8	1.059e+05	2957.85	-0.04	-3138.00	0.0	497.94	2077.19	9.04	1449.49	-1769.83	-
2.531e+05		-2.531e+05	-1769.83	-3.41e-03	0.0	523.0	497.94	-1060.81	9.04	1449.49	2957.85	
1.266e+04 125	14	2.808e+05	6677.79	-0.09	-3138.00	0.0	5184.89	746.78	-19.67	1717.16	6677.79	
2.345e+05		-1.959e+05	-3607.64	7.91e-03	0.0	523.0	5184.89	-2391.22	-19.67	1717.16	-3607.64	-
1.959e+05 125	15	6.117e+04	9700.59	0.04	-3138.00	0.0	-3539.77	2567.82	39.50	1562.58	-1.096e+04	-
4.886e+05		-4.886e+05	-1.096e+04	-0.01	0.0	523.0	-3539.77	-570.18	39.50	1562.58	9700.59	
3.419e+04 125	17	3.411e+05	8502.04	-0.06	-3138.00	0.0	4940.20	353.45	-26.70	3549.09	8502.04	
3.309e+05		-3.054e+05	-5463.94	9.43e-03	0.0	523.0	4940.20	-2784.55	-26.70	3549.09	-5463.94	-
3.054e+05 125	20	1.462e+05	1.156e+04	0.02	-3138.00	0.0	-3295.08	2961.16	46.53	-269.35	-1.278e+04	-
5.850e+05		-5.850e+05	-1.278e+04	-0.01	0.0	523.0	-3295.08	-176.84	46.53	-269.35	1.156e+04	
1.437e+05 125	28	1.569e+05	1.231e+04	8.03e-03	-3138.00	0.0	-3039.90	2942.92	48.67	-327.03	-1.315e+04	-
5.658e+05		-5.658e+05	-1.315e+04	-0.02	0.0	523.0	-3039.90	-195.08	48.67	-327.03	1.231e+04	
1.538e+05 125	46	2.152e+05	4142.73	-0.07	-3138.00	0.0	3932.50	1008.58	-11.16	1694.41	4142.73	
1.306e+05		-1.628e+05	-1693.57	5.15e-03	0.0	523.0	3932.50	-2129.42	-11.16	1694.41	-1693.57	-
1.628e+05 125	47	5.847e+04	7786.53	0.02	-3138.00	0.0	-2287.38	2306.03	30.99	1585.33	-8422.79	-
3.847e+05		-3.847e+05	-8422.79	-8.53e-03	0.0	523.0	-2287.38	-831.97	30.99	1585.33	7786.53	
1050.42 125	49	2.432e+05	5452.44	-0.05	-3138.00	0.0	3758.05	728.13	-16.21	3001.50	5452.44	
1.994e+05		-2.409e+05	-3025.78	6.23e-03	0.0	523.0	3758.05	-2409.87	-16.21	3001.50	-3025.78	-
2.409e+05 125	52	1.043e+05	9118.73	4.87e-03	-3138.00	0.0	-2112.93	2586.47	36.04	278.24	-9732.51	-
4.535e+05		-4.535e+05	-9732.51	-9.61e-03	0.0	523.0	-2112.93	-551.53	36.04	278.24	9118.73	
7.912e+04 125	60	1.127e+05	9657.32	-3.54e-03	-3138.00	0.0	-1930.85	2573.33	37.56	237.21	-9998.01	-
4.397e+05		-4.397e+05	-9998.01	-0.02	0.0	523.0	-1930.85	-564.67	37.56	237.21	9657.32	
8.628e+04 125	77	1.297e+05	1520.28	-0.06	-3138.00	0.0	1383.22	2003.32	3.55	-817.16	-338.68	-
2.046e+05		-2.046e+05	-338.68	-2.69e-03	0.0	523.0	1383.22	-1134.68	3.55	-817.16	1520.28	
2.254e+04 125	79	1.331e+05	3480.91	-0.04	-3138.00	0.0	1251.97	1481.53	12.06	1636.02	-2823.97	-
4.920e+04		-9.494e+04	-2823.97	-9.85e-04	0.0	523.0	1251.97	-1656.47	12.06	1636.02	3480.91	
9.494e+04 125	80	9.552e+04	2962.64	-0.03	-3138.00	0.0	553.03	1879.19	9.37	1860.99	-1936.66	-
1.982e+05		-1.982e+05	-1936.66	-2.62e-03	0.0	523.0	553.03	-1258.81	9.37	1860.99	2962.64	
3.597e+04 125	83	1.069e+05	2561.91	-0.03	-3138.00	0.0	977.78	1751.03	7.93	767.03	-1585.61	-

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1.486e+05												
5.340e+04												
125	84	1.016e+05	3211.31	-0.03	-3138.00	0.0	798.47	1645.74	10.55	2053.60	-2306.57	-
1.236e+05												
		-1.236e+05	-2306.57	-1.66e-03	0.0	523.0	798.47	-1492.26	10.55	2053.60	3211.31	-
8.346e+04												
125	86	1.012e+05	3046.48	-0.02	-3138.00	0.0	822.56	1657.30	9.92	1639.87	-2140.03	-
1.270e+05												
		-1.270e+05	-2140.03	-1.77e-03	0.0	523.0	822.56	-1480.70	9.92	1639.87	3046.48	-
8.087e+04												
134	3	3.302e+05	5181.95	-0.14	-4079.40	0.0	1643.12	3801.35	21.61	1.074e+04	-6120.75	-
5.960e+05												
		-5.960e+05	-6120.75	3.27e-03	0.0	523.0	1643.12	-278.05	21.61	1.074e+04	5181.95	-
3.253e+05												
134	6	2.388e+05	3187.78	-0.11	-3138.00	0.0	873.54	2852.12	11.20	8503.74	-2668.82	-
4.385e+05												
		-4.385e+05	-2668.82	4.12e-03	0.0	523.0	873.54	-285.88	11.20	8503.74	3187.78	-
2.326e+05												
134	9	3.053e+05	5406.04	-0.13	-4079.40	0.0	1665.24	3695.03	23.24	1.077e+04	-6749.57	-
5.689e+05												
		-5.689e+05	-6749.57	3.29e-03	0.0	523.0	1665.24	-384.37	23.24	1.077e+04	5406.04	-
2.968e+05												
134	13	1.560e+05	4940.69	-0.15	-3138.00	0.0	3372.67	1463.65	22.60	6941.43	-6863.56	-
2.183e+04												
		-7.685e+04	-6863.56	-0.03	0.0	523.0	3372.67	-1674.35	22.60	6941.43	4940.69	-
7.685e+04												
134	16	3.886e+05	2617.72	-0.01	-3138.00	0.0	-1386.77	3710.06	8.77	8710.53	-1983.86	-
7.311e+05												
		-7.311e+05	-1983.86	0.03	0.0	523.0	-1386.77	572.06	8.77	8710.53	2617.72	-
3.886e+05												
134	18	1.639e+05	6486.01	-0.12	-3138.00	0.0	2851.61	1138.89	28.46	5924.21	-8408.21	-
5.599e+04												
		-1.690e+05	-8408.21	-0.03	0.0	523.0	2851.61	-1999.11	28.46	5924.21	6486.01	-
1.690e+05												
134	19	4.808e+05	1072.40	-0.04	-3138.00	0.0	-865.71	4034.82	2.91	9727.75	-439.20	-
8.089e+05												
		-8.089e+05	-439.20	0.03	0.0	523.0	-865.71	896.82	2.91	9727.75	1072.40	-
4.808e+05												
134	42	9.896e+04	7234.73	-0.04	-3138.00	0.0	731.21	1614.37	29.28	5602.83	-8099.32	-
1.179e+05												
		-1.179e+05	-8099.32	-4.08e-03	0.0	523.0	731.21	-1523.63	29.28	5602.83	7234.73	-
9.443e+04												
134	45	1.422e+05	4599.85	-0.13	-3138.00	0.0	2689.63	1786.13	20.59	7197.73	-6157.15	-
1.236e+05												
		-1.236e+05	-6157.15	-0.02	0.0	523.0	2689.63	-1351.87	20.59	7197.73	4599.85	-
1.002e+04												
134	48	3.218e+05	2958.56	-0.03	-3138.00	0.0	-703.73	3387.58	10.78	8454.23	-2690.26	-
6.293e+05												
		-6.293e+05	-2690.26	0.02	0.0	523.0	-703.73	249.58	10.78	8454.23	2958.56	-
3.218e+05												
134	50	1.332e+05	5711.09	-0.11	-3138.00	0.0	2318.08	1554.58	24.80	6472.03	-7266.95	-
6.815e+04												
		-7.575e+04	-7266.95	-0.02	0.0	523.0	2318.08	-1583.42	24.80	6472.03	5711.09	-
7.575e+04												
134	51	3.875e+05	1847.31	-0.05	-3138.00	0.0	-332.19	3619.13	6.57	9179.93	-1580.46	-
6.847e+05												
		-6.847e+05	-1580.46	0.02	0.0	523.0	-332.19	481.13	6.57	9179.93	1847.31	-
3.875e+05												
134	74	1.062e+05	6258.29	-0.05	-3138.00	0.0	806.27	1893.53	25.44	6240.86	-7058.68	-
1.921e+05												
		-1.921e+05	-7058.68	-2.37e-03	0.0	523.0	806.27	-1244.47	25.44	6240.86	6258.29	-
2.257e+04												
134	78	2.334e+05	3889.88	-0.10	-3138.00	0.0	1205.33	2838.23	16.20	7943.52	-4585.22	-
4.372e+05												
		-4.372e+05	-4585.22	2.36e-03	0.0	523.0	1205.33	-299.77	16.20	7943.52	3889.88	-

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2.266e+05												
134	79	1.978e+05	3213.31	-0.09	-3138.00	0.0	857.16	2661.42	11.96	7630.16	-3041.01	-
3.919e+05												
		-3.919e+05	-3041.01	3.19e-03	0.0	523.0	857.16	-476.58	11.96	7630.16	3213.31	
1.794e+05												
134	81	2.190e+05	4039.27	-0.10	-3138.00	0.0	1220.08	2767.36	17.29	7966.15	-5004.44	-
4.191e+05												
		-4.191e+05	-5004.44	2.37e-03	0.0	523.0	1220.08	-370.64	17.29	7966.15	4039.27	
2.076e+05												
134	84	1.892e+05	3833.31	-0.08	-3138.00	0.0	1032.69	2631.88	15.90	7875.58	-4482.91	-
3.875e+05												
		-3.875e+05	-4482.91	2.14e-03	0.0	523.0	1032.69	-506.12	15.90	7875.58	3833.31	
1.684e+05												
134	85	1.811e+05	3779.20	-0.08	-3138.00	0.0	992.95	2586.86	15.68	7825.98	-4423.71	-
3.764e+05												
		-3.764e+05	-4423.71	2.10e-03	0.0	523.0	992.95	-551.14	15.68	7825.98	3779.20	
1.559e+05												
134	86	1.811e+05	3779.20	-0.08	-3138.00	0.0	992.95	2586.86	15.68	7825.98	-4423.71	-
3.764e+05												
		-3.764e+05	-4423.71	2.10e-03	0.0	523.0	992.95	-551.14	15.68	7825.98	3779.20	
1.559e+05												
146	1	1.869e+05	3226.67	-0.03	-3962.40	0.0	4015.16	1508.68	15.25	-3232.23	-4520.92	-
4.103e+04												
		-1.990e+05	-4520.92	-2.33e-03	0.0	508.0	4015.16	-2453.72	15.25	-3232.23	3226.67	-
1.990e+05												
146	3	1.829e+05	3412.14	-0.03	-3962.40	0.0	4326.29	1538.32	16.29	-2497.28	-4861.56	-
3.137e+04												
		-1.936e+05	-4861.56	-2.02e-03	0.0	508.0	4326.29	-2424.08	16.29	-2497.28	3412.14	-
1.936e+05												
146	5	1.851e+05	3832.41	-0.02	-3962.40	0.0	3736.83	1421.41	17.99	-2226.56	-5307.34	-
5.583e+04												
		-2.285e+05	-5307.34	-7.85e-04	0.0	508.0	3736.83	-2540.99	17.99	-2226.56	3832.41	-
2.285e+05												
146	12	1.372e+05	2791.01	-0.02	-3048.00	0.0	3164.10	1167.70	13.07	-2552.25	-3848.37	-
2.366e+04												
		-1.573e+05	-3848.37	-2.02e-03	0.0	508.0	3164.10	-1880.30	13.07	-2552.25	2791.01	-
1.573e+05												
146	13	4.136e+05	-492.07	-0.04	-3048.00	0.0	3967.54	-228.89	-0.95	-1168.30	-492.07	-
4.136e+05												
		-4.795e+05	-980.87	4.51e-03	0.0	508.0	3967.54	-3276.89	-0.95	-1168.30	-980.87	-
4.795e+05												
146	18	3.712e+05	738.66	-0.03	-3048.00	0.0	3189.75	-138.85	5.46	-2937.98	-2057.17	-
3.712e+05												
		-4.810e+05	-2057.17	2.28e-03	0.0	508.0	3189.75	-3186.85	5.46	-2937.98	738.66	-
4.810e+05												
146	32	8.244e+04	7016.91	0.01	-3048.00	0.0	1017.21	1860.19	28.08	-3183.45	-7262.63	-
2.112e+05												
		-2.112e+05	-7262.63	1.02e-03	0.0	508.0	1017.21	-1187.81	28.08	-3183.45	7016.91	-
3.167e+04												
146	36	7.998e+04	6996.33	0.01	-3048.00	0.0	1011.78	1812.01	28.15	-3003.58	-7322.58	-
1.984e+05												
		-1.984e+05	-7322.58	-2.36e-03	0.0	508.0	1011.78	-1235.99	28.15	-3003.58	6996.33	-
4.330e+04												
146	41	2.116e+05	-25.71	-0.04	-3048.00	0.0	4258.45	756.97	1.83	2202.10	-872.66	-
1.576e+05												
		-2.072e+05	-872.66	0.02	0.0	508.0	4258.45	-2291.03	1.83	2202.10	-25.71	-
2.072e+05												
146	44	5.772e+04	4861.96	0.01	-3048.00	0.0	814.14	1735.75	20.89	-4690.60	-5833.37	-
1.794e+05												
		-1.794e+05	-5833.37	-0.02	0.0	508.0	814.14	-1312.25	20.89	-4690.60	4861.96	-
9.660e+04												
146	45	2.948e+05	-3.41	-0.03	-3048.00	0.0	3556.76	194.58	2.59	-1189.55	-1315.17	-
2.918e+05												
		-3.855e+05	-1315.17	2.84e-03	0.0	508.0	3556.76	-2853.42	2.59	-1189.55	-3.41	-
3.855e+05												
146	50	2.664e+05	1227.28	-0.02	-3048.00	0.0	3002.19	258.78	7.18	-2451.38	-2436.65	-

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2.615e+05												
	-3.865e+05	-2436.65	1.24e-03	0.0	508.0	3002.19	-2789.22	7.18	-2451.38	1227.28	-	
3.865e+05												
146	64 8.604e+04	5700.12	3.97e-03	-3048.00	0.0	1453.18	1684.01	23.30	-2627.16	-6145.00	-	
1.537e+05												
	-1.537e+05	-6145.00	6.03e-04	0.0	508.0	1453.18	-1363.99	23.30	-2627.16	5700.12	-	
6.617e+04												
146	68 8.538e+04	5685.18	3.69e-03	-3048.00	0.0	1449.31	1649.66	23.34	-2498.87	-6187.65	-	
1.446e+05												
	-1.446e+05	-6187.65	-2.04e-03	0.0	508.0	1449.31	-1398.34	23.34	-2498.87	5685.18	-	
7.446e+04												
146	73 1.817e+05	665.34	-0.03	-3048.00	0.0	3764.20	897.45	4.52	1213.17	-1572.71	-	
1.093e+05												
	-1.913e+05	-1572.71	0.01	0.0	508.0	3764.20	-2150.55	4.52	1213.17	665.34	-	
1.913e+05												
146	76 7.181e+04	4170.92	4.01e-03	-3048.00	0.0	1308.39	1595.27	18.20	-3701.66	-5133.32	-	
1.310e+05												
	-1.310e+05	-5133.32	-0.01	0.0	508.0	1308.39	-1452.73	18.20	-3701.66	4170.92	-	
1.125e+05												
146	77 1.377e+05	2422.96	-0.02	-3048.00	0.0	2927.47	1186.74	11.42	-2226.90	-3379.38	-	
2.049e+04												
	-1.508e+05	-3379.38	-1.69e-03	0.0	508.0	2927.47	-1861.26	11.42	-2226.90	2422.96	-	
1.508e+05												
146	78 1.350e+05	2546.61	-0.02	-3048.00	0.0	3134.89	1206.50	12.11	-1736.93	-3606.47	-	
1.404e+04												
	-1.472e+05	-3606.47	-1.48e-03	0.0	508.0	3134.89	-1841.50	12.11	-1736.93	2546.61	-	
1.472e+05												
146	79 1.365e+05	2826.79	-0.02	-3048.00	0.0	2741.92	1128.56	13.25	-1556.45	-3903.66	-	
3.035e+04												
	-1.705e+05	-3903.66	-6.53e-04	0.0	508.0	2741.92	-1919.44	13.25	-1556.45	2826.79	-	
1.705e+05												
146	82 1.242e+05	2540.29	-0.02	-3048.00	0.0	2736.15	1230.86	11.85	-1881.69	-3479.16	-	
1397.32												
	-1.503e+05	-3479.16	-1.68e-03	0.0	508.0	2736.15	-1817.14	11.85	-1881.69	2540.29	-	
1.503e+05												
146	83 1.209e+05	2401.15	-0.01	-3048.00	0.0	2562.55	1235.02	11.27	-1454.62	-3324.34	-	
5469.78												
	-1.523e+05	-3324.34	-1.40e-03	0.0	508.0	2562.55	-1812.98	11.27	-1454.62	2401.15	-	
1.523e+05												
146	84 1.206e+05	2447.22	-0.02	-3048.00	0.0	2650.76	1240.66	11.53	-1300.71	-3409.44	-	
6967.08												
	-1.509e+05	-3409.44	-1.33e-03	0.0	508.0	2650.76	-1807.34	11.53	-1300.71	2447.22	-	
1.509e+05												
146	85 1.179e+05	2418.13	-0.01	-3048.00	0.0	2536.29	1246.36	11.36	-1244.25	-3353.02	-	
1.087e+04												
	-1.519e+05	-3353.02	-1.31e-03	0.0	508.0	2536.29	-1801.64	11.36	-1244.25	2418.13	-	
1.519e+05												
146	86 1.179e+05	2418.13	-0.01	-3048.00	0.0	2536.29	1246.36	11.36	-1244.25	-3353.02	-	
1.087e+04												
	-1.519e+05	-3353.02	-1.31e-03	0.0	508.0	2536.29	-1801.64	11.36	-1244.25	2418.13	-	
1.519e+05												
154	1 1.593e+05	1247.82	0.01	-3962.40	0.0	2442.13	1279.92	8.20	-972.19	-2919.70	-	
5.443e+04												
	-3.018e+05	-2919.70	-5.37e-04	0.0	508.0	2442.13	-2682.48	8.20	-972.19	1247.82	-	
3.018e+05												
154	5 1.318e+05	-316.91	0.01	-3962.40	0.0	599.72	1355.42	-0.02	-1895.10	-316.91	-	
1.487e+04												
	-3.030e+05	-327.20	3.93e-04	0.0	508.0	599.72	-2606.98	-0.02	-1895.10	-327.20	-	
3.030e+05												
154	6 1.178e+05	-114.98	0.01	-3048.00	0.0	577.66	938.07	-0.69	-1978.93	-114.98	-	
4.451e+04												
	-2.531e+05	-467.13	4.81e-04	0.0	508.0	577.66	-2109.93	-0.69	-1978.93	-467.13	-	
2.531e+05												
154	22 2.299e+05	3824.30	-0.01	-3048.00	0.0	2121.71	365.84	16.42	-6628.76	-4538.34	-	
2.180e+05												
	-3.643e+05	-4538.34	0.02	0.0	508.0	2121.71	-2682.16	16.42	-6628.76	3824.30	-	

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3.643e+05												
154	25	2.119e+05	2721.03	-8.35e-03	-3048.00	0.0	2847.56	376.87	12.51	-2985.05	-3629.73	
1.992e+05												
		-3.767e+05	-3629.73	0.02	0.0	508.0	2847.56	-2671.13	12.51	-2985.05	2721.03	-
3.767e+05												
154	26	2.226e+05	3849.56	-0.01	-3048.00	0.0	1992.42	419.99	16.56	-6659.05	-4594.20	
2.090e+05												
		-3.590e+05	-4594.20	0.01	0.0	508.0	1992.42	-2628.01	16.56	-6659.05	3849.56	-
3.590e+05												
154	28	5.769e+04	2258.63	0.03	-3048.00	0.0	-1844.82	2052.80	-8.85	1575.17	2258.63	-
2.886e+05												
		-2.886e+05	-2235.01	-0.02	0.0	508.0	-1844.82	-995.20	-8.85	1575.17	-2235.01	-
2.683e+04												
154	54	1.742e+05	2769.81	-8.47e-03	-3048.00	0.0	1656.53	609.58	12.13	-4928.42	-3410.46	
1.426e+05												
		-3.176e+05	-3410.46	0.01	0.0	508.0	1656.53	-2438.42	12.13	-4928.42	2769.81	-
3.176e+05												
154	57	1.617e+05	1978.73	-5.80e-03	-3048.00	0.0	2174.05	617.43	9.33	-2330.46	-2757.50	
1.292e+05												
		-3.265e+05	-2757.50	0.01	0.0	508.0	2174.05	-2430.57	9.33	-2330.46	1978.73	-
3.265e+05												
154	58	1.697e+05	2789.63	-8.24e-03	-3048.00	0.0	1564.34	648.18	12.25	-4950.01	-3452.21	
1.361e+05												
		-3.138e+05	-3452.21	8.69e-03	0.0	508.0	1564.34	-2399.82	12.25	-4950.01	2789.63	-
3.138e+05												
154	60	5.153e+04	1386.40	0.02	-3048.00	0.0	-1171.31	1812.23	-5.67	920.58	1386.40	-
2.186e+05												
		-2.186e+05	-1492.71	-0.02	0.0	508.0	-1171.31	-1235.77	-5.67	920.58	-1492.71	-
7.707e+04												
154	77	1.124e+05	894.07	8.04e-03	-3048.00	0.0	1637.89	1038.77	5.77	-610.87	-2036.21	
2.311e+04												
		-2.234e+05	-2036.21	-4.07e-04	0.0	508.0	1637.89	-2009.23	5.77	-610.87	894.07	-
2.234e+05												
154	79	9.534e+04	-155.95	0.01	-3048.00	0.0	409.62	1089.10	0.29	-1226.14	-301.02	-
3261.59												
		-2.242e+05	-301.02	2.30e-04	0.0	508.0	409.62	-1958.90	0.29	-1226.14	-155.95	-
2.242e+05												
154	83	8.624e+04	443.50	0.01	-3048.00	0.0	836.46	1171.65	3.01	-635.80	-1083.06	-
2.809e+04												
		-2.071e+05	-1083.06	-5.23e-04	0.0	508.0	836.46	-1876.35	3.01	-635.80	443.50	-
2.071e+05												
154	84	7.810e+04	182.65	0.01	-3048.00	0.0	419.83	1213.50	1.52	-777.95	-589.80	-
4.420e+04												
		-2.019e+05	-589.80	-6.10e-04	0.0	508.0	419.83	-1834.50	1.52	-777.95	182.65	-
2.019e+05												
154	86	7.784e+04	243.01	0.01	-3048.00	0.0	501.37	1214.83	1.83	-704.94	-685.55	-
4.472e+04												
		-2.018e+05	-685.55	-5.84e-04	0.0	508.0	501.37	-1833.17	1.83	-704.94	243.01	-
2.018e+05												
155	1	1.741e+05	539.81	-0.01	-3962.40	0.0	1957.20	1331.80	0.59	6856.54	238.76	
6.100e+04												
		-2.689e+05	238.76	2.08e-03	0.0	508.0	1957.20	-2630.60	0.59	6856.54	539.81	-
2.689e+05												
155	2	1.566e+05	720.87	-0.01	-3048.00	0.0	1974.03	913.68	-1.16	5946.49	720.87	
8.720e+04												
		-2.228e+05	131.71	1.91e-03	0.0	508.0	1974.03	-2134.32	-1.16	5946.49	131.71	-
2.228e+05												
155	5	1.456e+05	1978.93	-7.04e-03	-3962.40	0.0	232.17	1410.22	7.86	6768.40	-2012.96	
1.846e+04												
		-2.716e+05	-2012.96	3.19e-03	0.0	508.0	232.17	-2552.18	7.86	6768.40	1978.93	-
2.716e+05												
155	14	2.176e+05	2579.53	-0.01	-3048.00	0.0	2034.95	463.30	-9.14	4940.93	2579.53	
2.003e+05												
		-3.387e+05	-2063.13	9.93e-03	0.0	508.0	2034.95	-2584.70	-9.14	4940.93	-2063.13	-
3.387e+05												
155	18	2.178e+05	1752.41	-0.01	-3048.00	0.0	2101.32	466.02	-5.90	5018.59	1752.41	

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2.004e+05												
	-3.372e+05	-1243.98	5.26e-03	0.0	508.0	2101.32	-2581.98	-5.90	5018.59	-1243.98	-	
3.372e+05												
155	28 6.498e+04	6876.93	0.01	-3048.00	0.0	-545.45	1829.29	28.38	2203.22	-7539.18	-	
2.135e+05												
	-2.135e+05	-7539.18	-0.02	0.0	508.0	-545.45	-1218.71	28.38	2203.22	6876.93	-	
5.827e+04												
155	38 1.592e+05	4524.34	-8.04e-03	-3048.00	0.0	2216.03	797.62	17.50	2050.98	-4366.28	-	
1.063e+05												
	-2.628e+05	-4366.28	-7.65e-03	0.0	508.0	2216.03	-2250.38	17.50	2050.98	4524.34	-	
2.628e+05												
155	39 5.251e+04	1622.51	8.07e-03	-3048.00	0.0	-1721.52	1676.98	-6.96	6473.02	1622.51	-	
1.818e+05												
	-1.818e+05	-1916.23	9.86e-03	0.0	508.0	-1721.52	-1371.02	-6.96	6473.02	-1916.23	-	
1.040e+05												
155	44 1.032e+05	6960.62	6.56e-03	-3048.00	0.0	1422.00	1206.60	27.78	1206.38	-7153.76	-	
1.781e+04												
	-1.791e+05	-7153.76	-0.02	0.0	508.0	1422.00	-1841.40	27.78	1206.38	6960.62	-	
1.791e+05												
155	46 1.706e+05	1443.03	-9.77e-03	-3048.00	0.0	1521.68	685.48	-5.00	4746.01	1443.03	-	
1.320e+05												
	-2.941e+05	-1094.70	7.39e-03	0.0	508.0	1521.68	-2362.52	-5.00	4746.01	-1094.70	-	
2.941e+05												
155	50 1.709e+05	853.81	-9.98e-03	-3048.00	0.0	1569.00	687.42	-2.69	4801.36	853.81	-	
1.320e+05												
	-2.931e+05	-511.01	4.06e-03	0.0	508.0	1569.00	-2360.58	-2.69	4801.36	-511.01	-	
2.931e+05												
155	60 6.621e+04	5278.42	0.01	-3048.00	0.0	-317.71	1659.32	21.75	2794.06	-5770.14	-	
1.630e+05												
	-1.630e+05	-5770.14	-0.01	0.0	508.0	-317.71	-1388.68	21.75	2794.06	5278.42	-	
9.420e+04												
155	70 1.360e+05	3605.20	-6.69e-03	-3048.00	0.0	1650.91	923.82	14.01	2685.34	-3512.58	-	
6.500e+04												
	-2.400e+05	-3512.58	-5.14e-03	0.0	508.0	1650.91	-2124.18	14.01	2685.34	3605.20	-	
2.400e+05												
155	71 5.995e+04	768.81	6.84e-03	-3048.00	0.0	-1156.39	1550.78	-3.47	5838.66	768.81	-	
1.404e+05												
	-1.404e+05	-997.08	7.35e-03	0.0	508.0	-1156.39	-1497.22	-3.47	5838.66	-997.08	-	
1.268e+05												
155	76 9.914e+04	5342.03	5.77e-03	-3048.00	0.0	1084.89	1215.39	21.34	2083.15	-5499.77	-	
2.352e+04												
	-1.803e+05	-5499.77	-0.01	0.0	508.0	1084.89	-1832.61	21.34	2083.15	5342.03	-	
1.803e+05												
155	77 1.247e+05	541.25	-7.99e-03	-3048.00	0.0	1297.32	1073.69	1.17	4975.50	-55.10	-	
2.902e+04												
	-1.997e+05	-55.10	1.46e-03	0.0	508.0	1297.32	-1974.31	1.17	4975.50	541.25	-	
1.997e+05												
155	79 1.063e+05	1500.66	-5.12e-03	-3048.00	0.0	147.30	1125.98	6.02	4916.73	-1556.24	-	
664.17												
	-2.015e+05	-1556.24	2.21e-03	0.0	508.0	147.30	-1922.02	6.02	4916.73	1500.66	-	
2.015e+05												
155	83 9.768e+04	1070.09	-4.29e-03	-3048.00	0.0	544.61	1196.37	4.02	4345.83	-971.00	-	
2.136e+04												
	-1.878e+05	-971.00	1.16e-03	0.0	508.0	544.61	-1851.63	4.02	4345.83	1070.09	-	
1.878e+05												
155	84 8.965e+04	1373.29	-3.52e-03	-3048.00	0.0	191.53	1237.34	5.63	4413.28	-1486.59	-	
3.719e+04												
	-1.828e+05	-1486.59	1.17e-03	0.0	508.0	191.53	-1810.66	5.63	4413.28	1373.29	-	
1.828e+05												
155	86 8.912e+04	1304.06	3.79e-03	-3048.00	0.0	247.26	1237.30	5.27	4262.00	-1371.89	-	
3.772e+04												
	-1.834e+05	-1371.89	1.11e-03	0.0	508.0	247.26	-1810.70	5.27	4262.00	1304.06	-	
1.834e+05												
164	1 7.133e+04	249.47	-3.21e-03	-3962.40	0.0	-238.34	1981.20	0.0	0.0	249.47	-	
1.803e+05												
	-1.803e+05	249.47	-1.42e-04	0.0	508.0	-238.34	-1981.20	0.0	0.0	249.47	-	

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1.803e+05 164	2	5.561e+04	216.83	-2.53e-03	-3048.00	0.0	-118.88	1524.00	0.0	0.0	216.83	-
1.379e+05		-1.379e+05	216.83	-1.24e-04	0.0	508.0	-118.88	-1524.00	0.0	0.0	216.83	-
1.379e+05 164	3	6.784e+04	381.27	-2.93e-03	-3962.40	0.0	-1284.60	1981.20	0.0	0.0	381.27	-
1.838e+05		-1.838e+05	381.27	-2.17e-04	0.0	508.0	-1284.60	-1981.20	0.0	0.0	381.27	-
1.838e+05 164	5	6.543e+04	620.61	-2.77e-03	-3962.40	0.0	-1200.94	1897.02	-1.00	-282.27	620.61	-
1.648e+05		-2.076e+05	112.45	1.09e-03	0.0	508.0	-1200.94	-2065.38	-1.00	-282.27	112.45	-
2.076e+05 164	6	4.971e+04	587.97	-2.09e-03	-3048.00	0.0	-1081.48	1439.82	-1.00	-282.27	587.97	-
1.225e+05		-1.652e+05	79.81	1.09e-03	0.0	508.0	-1081.48	-1608.18	-1.00	-282.27	79.81	-
1.652e+05 164	22	1.049e+05	4252.66	-6.19e-03	-3048.00	0.0	-1002.73	756.27	13.77	-2943.25	-3308.17	-
5.633e+04		-3.299e+05	-3308.17	0.02	0.0	508.0	-1002.73	-2291.73	13.77	-2943.25	4252.66	-
3.299e+05 164	23	8.802e+04	3775.67	6.19e-03	-3048.00	0.0	-265.09	2291.73	-13.77	2943.25	3775.67	-
3.468e+05		-3.468e+05	-3785.16	-0.02	0.0	508.0	-265.09	-756.27	-13.77	2943.25	-3785.16	-
3.941e+04 164	28	1.049e+05	4252.66	6.19e-03	-3048.00	0.0	-1002.73	2291.73	-13.77	2943.25	4252.66	-
3.299e+05		-3.299e+05	-3308.17	-0.02	0.0	508.0	-1002.73	-756.27	-13.77	2943.25	-3308.17	-
5.633e+04 164	29	2.212e+04	-105.13	-1.65e-03	-3048.00	0.0	595.48	1390.06	5.50	-1086.80	-1017.33	-
1.331e+05		-2.138e+05	-1017.33	-9.48e-03	0.0	508.0	595.48	-1657.94	5.50	-1086.80	-105.13	-
2.138e+05 164	32	7.852e+04	1484.83	-3.38e-03	-3048.00	0.0	-1863.30	1657.94	-5.50	1086.80	1484.83	-
1.574e+05		-1.574e+05	572.63	9.48e-03	0.0	508.0	-1863.30	-1390.06	-5.50	1086.80	572.63	-
7.673e+04 164	54	7.875e+04	3072.92	-4.73e-03	-3048.00	0.0	-896.87	976.66	9.71	-2098.04	-2265.04	-
1532.07		-2.769e+05	-2265.04	0.01	0.0	508.0	-896.87	-2071.34	9.71	-2098.04	3072.92	-
2.769e+05 164	55	6.669e+04	2732.54	4.41e-03	-3048.00	0.0	-370.95	2071.34	-9.71	2098.04	2732.54	-
2.889e+05		-2.889e+05	-2605.42	-0.01	0.0	508.0	-370.95	-976.66	-9.71	2098.04	-2605.42	-
1.360e+04 164	60	7.875e+04	3072.92	4.41e-03	-3048.00	0.0	-896.87	2071.34	-9.71	2098.04	3072.92	-
2.769e+05		-2.769e+05	-2265.04	-0.01	0.0	508.0	-896.87	-976.66	-9.71	2098.04	-2265.04	-
1532.07 164	61	2.877e+04	-14.04	-1.17e-03	-3048.00	0.0	242.62	1428.51	3.90	-774.77	-653.08	-
1.366e+05		-1.941e+05	-653.08	-6.76e-03	0.0	508.0	242.62	-1619.49	3.90	-774.77	-14.04	-
1.941e+05 164	64	6.898e+04	1120.58	-2.97e-03	-3048.00	0.0	-1510.44	1619.49	-3.90	774.77	1120.58	-
1.539e+05		-1.539e+05	481.54	6.76e-03	0.0	508.0	-1510.44	-1428.51	-3.90	774.77	481.54	-
9.639e+04 164	77	5.455e+04	180.82	-2.44e-03	-3048.00	0.0	-211.99	1524.00	0.0	0.0	180.82	-
1.390e+05		-1.390e+05	180.82	-1.03e-04	0.0	508.0	-211.99	-1524.00	0.0	0.0	180.82	-
1.390e+05 164	78	5.221e+04	268.68	-2.26e-03	-3048.00	0.0	-909.50	1524.00	0.0	0.0	268.68	-
1.413e+05		-1.413e+05	268.68	-1.53e-04	0.0	508.0	-909.50	-1524.00	0.0	0.0	268.68	-
1.413e+05 164	79	5.061e+04	428.25	-2.15e-03	-3048.00	0.0	-853.72	1467.88	-0.67	-188.18	428.25	-

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1.287e+05											
	-1.572e+05	89.47	7.25e-04	0.0	508.0	-853.72	-1580.12	-0.67	-188.18	89.47	-
1.572e+05											
164	83 4.953e+04	213.64	-2.04e-03	-3048.00	0.0	-473.99	1524.00	0.0	0.0	213.64	-
1.440e+05											
	-1.440e+05	213.64	-1.22e-04	0.0	508.0	-473.99	-1524.00	0.0	0.0	213.64	-
1.440e+05											
164	84 4.884e+04	244.76	-1.99e-03	-3048.00	0.0	-721.01	1524.00	0.0	0.0	244.76	-
1.447e+05											
	-1.447e+05	244.76	-1.39e-04	0.0	508.0	-721.01	-1524.00	0.0	0.0	244.76	-
1.447e+05											
164	85 4.831e+04	233.75	-1.94e-03	-3048.00	0.0	-633.91	1524.00	0.0	0.0	233.75	-
1.452e+05											
	-1.452e+05	233.75	-1.33e-04	0.0	508.0	-633.91	-1524.00	0.0	0.0	233.75	-
1.452e+05											
164	86 4.831e+04	233.75	-1.94e-03	-3048.00	0.0	-633.91	1524.00	0.0	0.0	233.75	-
1.452e+05											
	-1.452e+05	233.75	-1.33e-04	0.0	508.0	-633.91	-1524.00	0.0	0.0	233.75	-
1.452e+05											
165	1 9.070e+04	-504.87	-4.76e-03	-3962.40	0.0	-542.91	1981.20	0.0	0.0	-504.87	-
1.609e+05											
	-1.609e+05	-504.87	2.88e-04	0.0	508.0	-542.91	-1981.20	0.0	0.0	-504.87	-
1.609e+05											
165	2 7.163e+04	-428.51	-3.81e-03	-3048.00	0.0	-380.39	1524.00	0.0	0.0	-428.51	-
1.219e+05											
	-1.219e+05	-428.51	2.44e-04	0.0	508.0	-380.39	-1524.00	0.0	0.0	-428.51	-
1.219e+05											
165	5 8.281e+04	-246.19	-3.97e-03	-3962.40	0.0	-1394.86	1907.17	1.32	88.20	-917.46	-
1.500e+05											
	-1.876e+05	-917.46	1.22e-03	0.0	508.0	-1394.86	-2055.23	1.32	88.20	-246.19	-
1.876e+05											
165	6 6.374e+04	-169.83	-3.02e-03	-3048.00	0.0	-1232.34	1449.97	1.32	88.20	-841.10	-
1.110e+05											
	-1.486e+05	-841.10	1.22e-03	0.0	508.0	-1232.34	-1598.03	1.32	88.20	-169.83	-
1.486e+05											
165	14 9.698e+04	3082.79	-4.40e-03	-3048.00	0.0	-674.97	852.22	-13.58	666.54	3082.79	-
3.714e+04											
	-3.042e+05	-3817.25	9.34e-03	0.0	508.0	-674.97	-2195.78	-13.58	666.54	-3817.25	-
3.042e+05											
165	15 9.731e+04	3068.96	-2.34e-03	-3048.00	0.0	-972.39	2195.78	13.58	-666.54	-3831.09	-
3.038e+05											
	-3.038e+05	-3831.09	-9.34e-03	0.0	508.0	-972.39	-852.22	13.58	-666.54	3068.96	-
3.747e+04											
165	17 9.731e+04	3068.96	-4.43e-03	-3048.00	0.0	-972.39	852.22	-13.58	666.54	3068.96	-
3.747e+04											
	-3.038e+05	-3831.09	9.34e-03	0.0	508.0	-972.39	-2195.78	-13.58	666.54	-3831.09	-
3.038e+05											
165	34 6.389e+04	1700.56	-2.81e-03	-3048.00	0.0	-327.98	1295.70	-8.08	0.76	1700.56	-
7.584e+04											
	-1.919e+05	-2402.73	0.01	0.0	508.0	-327.98	-1752.30	-8.08	0.76	-2402.73	-
1.919e+05											
165	35 6.499e+04	1654.44	-3.24e-03	-3048.00	0.0	-1319.39	1752.30	8.08	-0.76	-2448.86	-
1.908e+05											
	-1.908e+05	-2448.86	-0.01	0.0	508.0	-1319.39	-1295.70	8.08	-0.76	1654.44	-
7.474e+04											
165	46 7.850e+04	2090.58	-3.87e-03	-3048.00	0.0	-717.64	1045.04	-9.68	475.15	2090.58	-
1.179e+04											
	-2.551e+05	-2829.06	6.66e-03	0.0	508.0	-717.64	-2002.96	-9.68	475.15	-2829.06	-
2.551e+05											
165	47 7.873e+04	2080.77	-2.41e-03	-3048.00	0.0	-929.72	2002.96	9.68	-475.15	-2838.87	-
2.549e+05											
	-2.549e+05	-2838.87	-6.66e-03	0.0	508.0	-929.72	-1045.04	9.68	-475.15	2080.77	-
1.156e+04											
165	66 6.196e+04	1105.14	-2.81e-03	-3048.00	0.0	-470.22	1361.24	-5.76	0.50	1105.14	-
9.235e+04											
	-1.751e+05	-1820.74	9.06e-03	0.0	508.0	-470.22	-1686.76	-5.76	0.50	-1820.74	-

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1.751e+05 165	67	6.275e+04	1072.44	-3.12e-03	-3048.00	0.0	-1177.14	1686.76	5.76	-0.50	-1853.43	-
1.743e+05		-1.743e+05	-1853.43	-9.06e-03	0.0	508.0	-1177.14	-1361.24	5.76	-0.50	1072.44	-
9.156e+04 165	77	6.894e+04	-370.52	-3.60e-03	-3048.00	0.0	-434.17	1524.00	0.0	0.0	-370.52	-
1.246e+05		-1.246e+05	-370.52	2.11e-04	0.0	508.0	-434.17	-1524.00	0.0	0.0	-370.52	-
1.246e+05 165	79	6.369e+04	-198.06	-3.07e-03	-3048.00	0.0	-1002.14	1474.65	0.88	58.80	-645.57	-
1.173e+05		-1.424e+05	-645.57	8.12e-04	0.0	508.0	-1002.14	-1573.35	0.88	58.80	-198.06	-
1.424e+05 165	83	6.186e+04	-362.21	-3.03e-03	-3048.00	0.0	-689.55	1524.00	0.0	0.0	-362.21	-
1.317e+05		-1.317e+05	-362.21	2.06e-04	0.0	508.0	-689.55	-1524.00	0.0	0.0	-362.21	-
1.317e+05 165	84	6.106e+04	-391.79	-2.97e-03	-3048.00	0.0	-882.49	1524.00	0.0	0.0	-391.79	-
1.325e+05		-1.325e+05	-391.79	2.23e-04	0.0	508.0	-882.49	-1524.00	0.0	0.0	-391.79	-
1.325e+05 165	85	6.021e+04	-374.15	-2.90e-03	-3048.00	0.0	-823.68	1524.00	0.0	0.0	-374.15	-
1.333e+05		-1.333e+05	-374.15	2.13e-04	0.0	508.0	-823.68	-1524.00	0.0	0.0	-374.15	-
1.333e+05 165	86	6.021e+04	-374.15	-2.90e-03	-3048.00	0.0	-823.68	1524.00	0.0	0.0	-374.15	-
1.333e+05		-1.333e+05	-374.15	2.13e-04	0.0	508.0	-823.68	-1524.00	0.0	0.0	-374.15	-
1.333e+05 166	1	1.593e+05	1247.82	-0.01	-3962.40	0.0	2442.13	2682.48	-8.20	972.19	1247.82	-
3.018e+05		-3.018e+05	-2919.70	9.08e-04	0.0	508.0	2442.13	-1279.92	-8.20	972.19	-2919.70	-
5.443e+04 166	7	1.318e+05	-316.91	-0.02	-3962.40	0.0	599.72	2606.98	0.02	1895.10	-327.20	-
3.030e+05		-3.030e+05	-327.20	-3.40e-04	0.0	508.0	599.72	-1355.42	0.02	1895.10	-316.91	-
1.487e+04 166	8	1.178e+05	-114.98	-0.01	-3048.00	0.0	577.66	2109.93	0.69	1978.93	-467.13	-
2.531e+05		-2.531e+05	-467.13	-4.52e-04	0.0	508.0	577.66	-938.07	0.69	1978.93	-114.98	-
4.451e+04 166	22	5.769e+04	2258.63	-0.03	-3048.00	0.0	-1844.82	995.20	8.85	-1575.17	-2235.01	-
2.683e+04		-2.886e+05	-2235.01	0.02	0.0	508.0	-1844.82	-2052.80	8.85	-1575.17	2258.63	-
2.886e+05 166	23	2.119e+05	2721.03	-6.65e-03	-3048.00	0.0	2847.56	2671.13	-12.51	2985.05	2721.03	-
3.767e+05		-3.767e+05	-3629.73	-0.02	0.0	508.0	2847.56	-376.87	-12.51	2985.05	-3629.73	-
1.992e+05 166	24	2.226e+05	3849.56	8.44e-03	-3048.00	0.0	1992.42	2628.01	-16.56	6659.05	3849.56	-
3.590e+05		-3.590e+05	-4594.20	-0.01	0.0	508.0	1992.42	-419.99	-16.56	6659.05	-4594.20	-
2.090e+05 166	28	2.299e+05	3824.30	8.81e-03	-3048.00	0.0	2121.71	2682.16	-16.42	6628.76	3824.30	-
3.643e+05		-3.643e+05	-4538.34	-0.02	0.0	508.0	2121.71	-365.84	-16.42	6628.76	-4538.34	-
2.180e+05 166	54	5.153e+04	1386.40	-0.02	-3048.00	0.0	-1171.31	1235.77	5.67	-920.58	-1492.71	-
7.707e+04		-2.186e+05	-1492.71	0.02	0.0	508.0	-1171.31	-1812.23	5.67	-920.58	1386.40	-
2.186e+05 166	55	1.617e+05	1978.73	-8.13e-03	-3048.00	0.0	2174.05	2430.57	-9.33	2330.46	1978.73	-
3.265e+05		-3.265e+05	-2757.50	-0.01	0.0	508.0	2174.05	-617.43	-9.33	2330.46	-2757.50	-
1.292e+05 166	56	1.697e+05	2789.63	-5.77e-03	-3048.00	0.0	1564.34	2399.82	-12.25	4950.01	2789.63	-

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3.138e+05												
	-3.138e+05	-3452.21	-8.69e-03	0.0	508.0	1564.34	-648.18	-12.25	4950.01	-3452.21		
1.361e+05												
166	60 1.742e+05	2769.81	-5.74e-03	-3048.00	0.0	1656.53	2438.42	-12.13	4928.42	2769.81	-	
3.176e+05												
	-3.176e+05	-3410.46	-0.01	0.0	508.0	1656.53	-609.58	-12.13	4928.42	-3410.46		
1.426e+05												
166	77 1.124e+05	894.07	-0.01	-3048.00	0.0	1637.89	2009.23	-5.77	610.87	894.07	-	
2.234e+05												
	-2.234e+05	-2036.21	6.54e-04	0.0	508.0	1637.89	-1038.77	-5.77	610.87	-2036.21		
2.311e+04												
166	80 9.534e+04	-155.95	-0.01	-3048.00	0.0	409.62	1958.90	-0.29	1226.14	-155.95	-	
2.242e+05												
	-2.242e+05	-301.02	-1.77e-04	0.0	508.0	409.62	-1089.10	-0.29	1226.14	-301.02	-	
3261.59												
166	83 8.624e+04	443.50	-0.01	-3048.00	0.0	836.46	1876.35	-3.01	635.80	443.50	-	
2.071e+05												
	-2.071e+05	-1083.06	5.91e-04	0.0	508.0	836.46	-1171.65	-3.01	635.80	-1083.06	-	
2.809e+04												
166	84 7.810e+04	182.65	-0.01	-3048.00	0.0	419.83	1834.50	-1.52	777.95	182.65	-	
2.019e+05												
	-2.019e+05	-589.80	6.14e-04	0.0	508.0	419.83	-1213.50	-1.52	777.95	-589.80	-	
4.420e+04												
166	86 7.784e+04	243.01	-0.01	-3048.00	0.0	501.37	1833.17	-1.83	704.94	243.01	-	
2.018e+05												
	-2.018e+05	-685.55	5.95e-04	0.0	508.0	501.37	-1214.83	-1.83	704.94	-685.55	-	
4.472e+04												
167	1 1.741e+05	539.81	-7.56e-03	-3962.40	0.0	1957.20	2630.60	-0.59	-6856.54	539.81	-	
2.689e+05												
	-2.689e+05	238.76	-2.08e-03	0.0	508.0	1957.20	-1331.80	-0.59	-6856.54	238.76	-	
6.100e+04												
167	2 1.566e+05	720.87	-6.15e-03	-3048.00	0.0	1974.03	2134.32	1.16	-5946.49	131.71	-	
2.228e+05												
	-2.228e+05	131.71	-1.91e-03	0.0	508.0	1974.03	-913.68	1.16	-5946.49	720.87	-	
8.720e+04												
167	7 1.456e+05	1978.93	-8.96e-03	-3962.40	0.0	232.17	2552.18	-7.86	-6768.40	1978.93	-	
2.716e+05												
	-2.716e+05	-2012.96	-3.19e-03	0.0	508.0	232.17	-1410.22	-7.86	-6768.40	-2012.96	-	
1.846e+04												
167	16 2.178e+05	1752.41	8.93e-03	-3048.00	0.0	2101.32	2581.98	5.90	-5018.59	-1243.98	-	
3.372e+05												
	-3.372e+05	-1243.98	-5.26e-03	0.0	508.0	2101.32	-466.02	5.90	-5018.59	1752.41	-	
2.004e+05												
167	20 2.176e+05	2579.53	8.36e-03	-3048.00	0.0	2034.95	2584.70	9.14	-4940.93	-2063.13	-	
3.387e+05												
	-3.387e+05	-2063.13	-9.93e-03	0.0	508.0	2034.95	-463.30	9.14	-4940.93	2579.53	-	
2.003e+05												
167	22 6.498e+04	6876.93	-0.01	-3048.00	0.0	-545.45	1218.71	-28.38	-2203.22	6876.93	-	
5.827e+04												
	-2.135e+05	-7539.18	0.02	0.0	508.0	-545.45	-1829.29	-28.38	-2203.22	-7539.18	-	
2.135e+05												
167	29 5.251e+04	1622.51	-8.07e-03	-3048.00	0.0	-1721.52	1371.02	6.96	-6473.02	-1916.23	-	
1.040e+05												
	-1.818e+05	-1916.23	-9.86e-03	0.0	508.0	-1721.52	-1676.98	6.96	-6473.02	1622.51	-	
1.818e+05												
167	32 1.592e+05	4524.34	-7.56e-03	-3048.00	0.0	2216.03	2250.38	-17.50	-2050.98	4524.34	-	
2.628e+05												
	-2.628e+05	-4366.28	7.65e-03	0.0	508.0	2216.03	-797.62	-17.50	-2050.98	-4366.28	-	
1.063e+05												
167	34 1.032e+05	6960.62	-9.79e-03	-3048.00	0.0	1422.00	1841.40	-27.78	-1206.38	6960.62	-	
1.791e+05												
	-1.791e+05	-7153.76	0.02	0.0	508.0	1422.00	-1206.60	-27.78	-1206.38	-7153.76	-	
1.781e+04												
167	48 1.709e+05	853.81	5.27e-03	-3048.00	0.0	1569.00	2360.58	2.69	-4801.36	-511.01	-	
2.931e+05												
	-2.931e+05	-511.01	-4.06e-03	0.0	508.0	1569.00	-687.42	2.69	-4801.36	853.81	-	

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1.320e+05 167	52	1.706e+05	1443.03	-4.90e-03	-3048.00	0.0	1521.68	2362.52	5.00	-4746.01	-1094.70	-
2.941e+05		-2.941e+05	-1094.70	-7.39e-03	0.0	508.0	1521.68	-685.48	5.00	-4746.01	1443.03	
1.320e+05 167	54	6.621e+04	5278.42	-0.01	-3048.00	0.0	-317.71	1388.68	-21.75	-2794.06	5278.42	-
9.420e+04		-1.630e+05	-5770.14	0.01	0.0	508.0	-317.71	-1659.32	-21.75	-2794.06	-5770.14	-
1.630e+05 167	61	5.995e+04	768.81	-6.84e-03	-3048.00	0.0	-1156.39	1497.22	3.47	-5838.66	-997.08	-
1.268e+05		-1.404e+05	-997.08	-7.35e-03	0.0	508.0	-1156.39	-1550.78	3.47	-5838.66	768.81	-
1.404e+05 167	64	1.360e+05	3605.20	-7.43e-03	-3048.00	0.0	1650.91	2124.18	-14.01	-2685.34	3605.20	-
2.400e+05		-2.400e+05	-3512.58	5.14e-03	0.0	508.0	1650.91	-923.82	-14.01	-2685.34	-3512.58	
6.500e+04 167	66	9.914e+04	5342.03	-9.02e-03	-3048.00	0.0	1084.89	1832.61	-21.34	-2083.15	5342.03	-
1.803e+05		-1.803e+05	-5499.77	0.01	0.0	508.0	1084.89	-1215.39	-21.34	-2083.15	-5499.77	-
2.352e+04 167	77	1.247e+05	541.25	-5.67e-03	-3048.00	0.0	1297.32	1974.31	-1.17	-4975.50	541.25	-
1.997e+05		-1.997e+05	-55.10	-1.46e-03	0.0	508.0	1297.32	-1073.69	-1.17	-4975.50	-55.10	
2.902e+04 167	80	1.063e+05	1500.66	-6.58e-03	-3048.00	0.0	147.30	1922.02	-6.02	-4916.73	1500.66	-
2.015e+05		-2.015e+05	-1556.24	-2.21e-03	0.0	508.0	147.30	-1125.98	-6.02	-4916.73	-1556.24	
664.17 167	83	9.768e+04	1070.09	-6.83e-03	-3048.00	0.0	544.61	1851.63	-4.02	-4345.83	1070.09	-
1.878e+05		-1.878e+05	-971.00	-1.16e-03	0.0	508.0	544.61	-1196.37	-4.02	-4345.83	-971.00	-
2.136e+04 167	84	8.965e+04	1373.29	-6.87e-03	-3048.00	0.0	191.53	1810.66	-5.63	-4413.28	1373.29	-
1.828e+05		-1.828e+05	-1486.59	-1.17e-03	0.0	508.0	191.53	-1237.34	-5.63	-4413.28	-1486.59	-
3.719e+04 167	86	8.912e+04	1304.06	-7.10e-03	-3048.00	0.0	247.26	1810.70	-5.27	-4262.00	1304.06	-
1.834e+05		-1.834e+05	-1371.89	-1.11e-03	0.0	508.0	247.26	-1237.30	-5.27	-4262.00	-1371.89	-
3.772e+04 168	1	1.866e+05	8000.50	0.07	-4079.40	0.0	2030.55	1199.36	-33.52	-1.300e+04	8000.50	
9.480e+04		-3.447e+05	-9532.82	-1.84e-03	0.0	523.0	2030.55	-2880.04	-33.52	-1.300e+04	-9532.82	-
3.447e+05 168	6	1.071e+05	4585.19	0.02	-3138.00	0.0	533.82	971.25	-19.53	-7245.53	4585.19	
2.848e+04		-2.841e+05	-5627.06	1.29e-03	0.0	523.0	533.82	-2166.75	-19.53	-7245.53	-5627.06	-
2.841e+05 168	17	1.148e+05	1148.30	-0.06	-3138.00	0.0	-3984.98	254.17	3.30	-1.266e+04	-591.94	
1.097e+05		-5.785e+05	-591.94	-5.68e-03	0.0	523.0	-3984.98	-2883.83	3.30	-1.266e+04	1148.30	-
5.785e+05 168	20	2.974e+05	7665.39	0.08	-3138.00	0.0	5656.35	2542.02	-33.62	1730.24	7665.39	-
2.415e+05		-2.415e+05	-9936.05	6.06e-03	0.0	523.0	5656.35	-595.98	-33.62	1730.24	-9936.05	
2.679e+05 168	24	2.791e+05	8451.33	0.08	-3138.00	0.0	5449.39	2470.23	-37.49	2069.64	8451.33	-
2.296e+05		-2.296e+05	-1.117e+04	-0.01	0.0	523.0	5449.39	-667.77	-37.49	2069.64	-1.117e+04	
2.426e+05 168	49	8.741e+04	597.72	-0.04	-3138.00	0.0	-2601.07	583.04	-2.01	-1.060e+04	597.72	
5.916e+04		-4.569e+05	-444.46	-4.02e-03	0.0	523.0	-2601.07	-2554.96	-2.01	-1.060e+04	-444.46	-
4.569e+05 168	52	2.172e+05	6475.73	0.06	-3138.00	0.0	4272.45	2213.15	-28.31	-335.03	6475.73	-

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1.910e+05											
	-1.910e+05	-8343.29	4.44e-03	0.0	523.0	4272.45	-924.85	-28.31	-335.03	-8343.29	
1.463e+05											
168	56	2.074e+05	7032.61	0.06	-3138.00	0.0	4124.75	2161.64	-31.06	-92.99	7032.61
1.824e+05											
		-1.824e+05	-9224.53	-0.01	0.0	523.0	4124.75	-976.36	-31.06	-92.99	-9224.53
1.282e+05											
168	77	1.318e+05	5721.83	0.05	-3138.00	0.0	1434.91	1014.54	-24.01	-9201.85	5721.83
4.612e+04											
		-2.439e+05	-6834.49	-1.17e-03	0.0	523.0	1434.91	-2123.46	-24.01	-9201.85	-6834.49
2.439e+05											
168	79	9.329e+04	4027.20	0.02	-3138.00	0.0	558.92	1184.90	-17.16	-6164.49	4027.20
2.370e+04											
		-2.246e+05	-4949.55	1.10e-03	0.0	523.0	558.92	-1953.10	-17.16	-6164.49	-4949.55
2.246e+05											
168	83	1.031e+05	4164.55	0.02	-3138.00	0.0	1005.32	1291.57	-17.69	-6560.40	4164.55
3.540e+04											
		-1.805e+05	-5085.56	3.65e-04	0.0	523.0	1005.32	-1846.43	-17.69	-6560.40	-5085.56
1.805e+05											
168	84	9.680e+04	3406.25	0.01	-3138.00	0.0	803.96	1415.11	-14.66	-5207.53	3406.25
6.993e+04											
		-1.504e+05	-4263.43	6.25e-04	0.0	523.0	803.96	-1722.89	-14.66	-5207.53	-4263.43
1.504e+05											
168	86	9.692e+04	3536.72	0.01	-3138.00	0.0	835.69	1398.09	-15.16	-5465.20	3536.72
6.592e+04											
		-1.553e+05	-4393.88	5.77e-04	0.0	523.0	835.69	-1739.91	-15.16	-5465.20	-4393.88
1.553e+05											
169	1	1.804e+05	1685.97	0.09	-4079.40	0.0	1942.20	1371.06	-3.33	1762.53	1685.97
6.046e+04											
		-2.892e+05	-53.95	3.83e-03	0.0	523.0	1942.20	-2708.34	-3.33	1762.53	-53.95
2.892e+05											
169	6	1.059e+05	2957.85	0.04	-3138.00	0.0	497.94	1060.81	-9.04	-1449.49	2957.85
1.266e+04											
		-2.531e+05	-1769.83	3.41e-03	0.0	523.0	497.94	-2077.19	-9.04	-1449.49	-1769.83
2.531e+05											
169	7	1.807e+05	4626.92	0.06	-4079.40	0.0	1745.32	2153.74	-16.08	-1917.23	4626.92
1.158e+05											
		-1.158e+05	-3781.89	9.98e-04	0.0	523.0	1745.32	-1925.66	-16.08	-1917.23	-3781.89
5.612e+04											
169	14	1.462e+05	1.156e+04	-0.02	-3138.00	0.0	-3295.08	176.85	-46.53	269.35	1.156e+04
1.437e+05											
		-5.850e+05	-1.278e+04	0.01	0.0	523.0	-3295.08	-2961.15	-46.53	269.35	-1.278e+04
5.850e+05											
169	15	3.411e+05	8502.04	0.06	-3138.00	0.0	4940.20	2784.55	26.70	-3549.09	-5463.94
3.054e+05											
		-3.054e+05	-5463.94	-9.43e-03	0.0	523.0	4940.20	-353.45	26.70	-3549.09	8502.04
3.309e+05											
169	17	6.117e+04	9700.59	-0.04	-3138.00	0.0	-3539.77	570.18	-39.50	-1562.58	9700.59
3.419e+04											
		-4.886e+05	-1.096e+04	0.01	0.0	523.0	-3539.77	-2567.82	-39.50	-1562.58	-1.096e+04
4.886e+05											
169	20	2.808e+05	6677.79	0.09	-3138.00	0.0	5184.89	2391.22	19.67	-1717.16	-3607.64
1.959e+05											
		-1.959e+05	-3607.64	-7.91e-03	0.0	523.0	5184.89	-746.78	19.67	-1717.16	6677.79
2.345e+05											
169	22	1.569e+05	1.231e+04	-7.82e-03	-3138.00	0.0	-3039.90	195.08	-48.67	327.03	1.231e+04
1.538e+05											
		-5.658e+05	-1.315e+04	0.02	0.0	523.0	-3039.90	-2942.92	-48.67	327.03	-1.315e+04
5.658e+05											
169	46	1.043e+05	9118.73	-3.99e-03	-3138.00	0.0	-2112.93	551.53	-36.04	-278.24	9118.73
7.912e+04											
		-4.535e+05	-9732.51	9.61e-03	0.0	523.0	-2112.93	-2586.47	-36.04	-278.24	-9732.51
4.535e+05											
169	47	2.432e+05	5452.44	0.05	-3138.00	0.0	3758.05	2409.87	16.21	-3001.50	-3025.78
2.409e+05											
		-2.409e+05	-3025.78	-6.23e-03	0.0	523.0	3758.05	-728.13	16.21	-3001.50	5452.44

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1.994e+05 169 1050.42	49	5.847e+04	7786.53	-0.02	-3138.00	0.0	-2287.38	831.97	-30.99	-1585.33	7786.53	
		-3.847e+05	-8422.79	8.53e-03	0.0	523.0	-2287.38	-2306.03	-30.99	-1585.33	-8422.79	-
3.847e+05 169 1.628e+05	52	2.152e+05	4142.73	0.07	-3138.00	0.0	3932.50	2129.42	11.16	-1694.41	-1693.57	-
		-1.628e+05	-1693.57	-5.15e-03	0.0	523.0	3932.50	-1008.58	11.16	-1694.41	4142.73	
1.306e+05 169 8.628e+04	54	1.127e+05	9657.32	4.63e-03	-3138.00	0.0	-1930.85	564.67	-37.56	-237.21	9657.32	
		-4.397e+05	-9998.01	0.02	0.0	523.0	-1930.85	-2573.33	-37.56	-237.21	-9998.01	-
4.397e+05 169 2.254e+04	77	1.297e+05	1520.28	0.06	-3138.00	0.0	1383.22	1134.68	-3.55	817.16	1520.28	
		-2.046e+05	-338.68	2.69e-03	0.0	523.0	1383.22	-2003.32	-3.55	817.16	-338.68	-
2.046e+05 169 3.597e+04	79	9.552e+04	2962.64	0.03	-3138.00	0.0	553.03	1258.81	-9.37	-1860.99	2962.64	-
		-1.982e+05	-1936.66	2.61e-03	0.0	523.0	553.03	-1879.19	-9.37	-1860.99	-1936.66	-
1.982e+05 169 9.494e+04	80	1.331e+05	3480.91	0.04	-3138.00	0.0	1251.97	1656.47	-12.06	-1636.02	3480.91	-
		-9.494e+04	-2823.97	8.01e-04	0.0	523.0	1251.97	-1481.53	-12.06	-1636.02	-2823.97	-
4.920e+04 169 5.340e+04	83	1.069e+05	2561.91	0.03	-3138.00	0.0	977.78	1386.97	-7.93	-767.03	2561.91	-
		-1.486e+05	-1585.61	2.03e-03	0.0	523.0	977.78	-1751.03	-7.93	-767.03	-1585.61	-
1.486e+05 169 8.346e+04	84	1.016e+05	3211.31	0.03	-3138.00	0.0	798.47	1492.26	-10.55	-2053.60	3211.31	-
		-1.236e+05	-2306.57	1.55e-03	0.0	523.0	798.47	-1645.74	-10.55	-2053.60	-2306.57	-
1.236e+05 169 8.087e+04	86	1.012e+05	3046.48	0.02	-3138.00	0.0	822.56	1480.70	-9.92	-1639.87	3046.48	-
		-1.270e+05	-2140.03	1.69e-03	0.0	523.0	822.56	-1657.30	-9.92	-1639.87	-2140.03	-
1.270e+05 182 7.036e+05	3	4.942e+05	6750.70	-0.22	-6585.07	0.0	2756.04	6807.31	-35.75	-1.575e+04	6750.70	-
		-7.036e+05	-5434.28	4.19e-03	0.0	340.8	3206.34	222.24	-35.75	-1.575e+04	-5434.28	-
4.942e+05 182 6.437e+05	5	4.426e+05	1.439e+04	-0.20	-6052.86	0.0	2414.18	6213.91	-189.07	-1.587e+04	1.439e+04	-
		-6.437e+05	-4902.45	7.34e-03	317.93	340.8	2828.09	161.06	128.86	-1.587e+04	3862.15	-
4.426e+05 182 6.228e+05	7	4.390e+05	1.142e+04	-0.20	-6052.86	0.0	2743.52	6141.92	275.59	-9018.61	-9150.06	-
		-6.228e+05	-2.304e+04	-2.56e-03	-635.87	340.8	3157.43	89.07	-360.28	-9018.61	-2.304e+04	-
4.390e+05 182 5.148e+05	9	4.315e+05	-641.82	-0.22	-6052.86	0.0	5406.89	5799.09	-6.71	-1.424e+04	-641.82	-
		-5.148e+05	-2926.95	4.47e-03	0.0	340.8	5820.79	-253.77	-6.71	-1.424e+04	-2926.95	-
4.301e+05 182 7.415e+05	11	4.464e+05	1.009e+04	-0.18	-6052.86	0.0	-324.83	6511.89	-47.95	-1.635e+04	1.009e+04	-
		-7.415e+05	-6252.58	3.81e-03	0.0	340.8	89.08	459.03	-47.95	-1.635e+04	-6252.58	-
4.464e+05 182 6.320e+05	12	3.704e+05	8977.88	-0.15	-4963.52	0.0	-845.44	5423.18	-42.25	-1.530e+04	8977.88	-
		-6.320e+05	-5420.30	3.14e-03	0.0	340.8	-506.03	459.65	-42.25	-1.530e+04	-5420.30	-
3.704e+05 182 3.550e+05	21	3.097e+05	-7121.55	-0.15	-4164.57	0.0	4234.31	4005.25	-70.31	6.633e+04	-1.601e+04	-
		-3.550e+05	-1.601e+04	0.02	0.0	340.8	4519.10	-159.32	-70.31	6.633e+04	-7121.55	-
3.096e+05 182	24	2.740e+05	2.503e+04	-0.11	-4164.57	0.0	-454.79	4350.67	24.04	-8.874e+04	2.503e+04	-

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4.898e+05												
	-4.898e+05	373.32	-0.02	0.0	340.8	-170.01	186.10	24.04	-8.874e+04	373.32		
2.740e+05												
182	34	3.593e+05	1.118e+04	0.07	-4164.57	0.0	-2.520e+04	7336.66	-85.26	3473.94	1.118e+04	-
1.441e+06												
	-1.441e+06	-8177.26	0.04	0.0	340.8	-2.492e+04	3172.08	-85.26	3473.94	-8177.26		
3.593e+05												
182	35	6.366e+05	1429.04	-0.29	-4164.57	0.0	2.898e+04	1019.27	39.00	-2.588e+04	-2156.40	
5.966e+05												
	2.244e+05	-2156.40	-0.03	0.0	340.8	2.927e+04	-3145.31	39.00	-2.588e+04	1429.04		
2.244e+05												
182	53	3.042e+05	-6044.06	-0.15	-4164.57	0.0	3561.52	4054.27	-56.77	4.408e+04	-1.012e+04	-
3.742e+05												
	-3.742e+05	-1.012e+04	0.02	0.0	340.8	3846.30	-110.31	-56.77	4.408e+04	-6044.06		
3.042e+05												
182	56	2.795e+05	1.914e+04	-0.11	-4164.57	0.0	218.01	4301.66	10.50	-6.648e+04	1.914e+04	-
4.705e+05												
	-4.705e+05	-704.17	-0.01	0.0	340.8	502.79	137.08	10.50	-6.648e+04	-704.17		
2.795e+05												
182	66	3.399e+05	9262.21	0.04	-4164.57	0.0	-1.743e+04	6430.22	-67.43	-759.94	9262.21	-
1.149e+06												
	-1.149e+06	-6800.18	0.03	0.0	340.8	-1.714e+04	2265.64	-67.43	-759.94	-6800.18		
3.399e+05												
182	67	4.524e+05	51.96	-0.25	-4164.57	0.0	2.121e+04	1925.71	21.17	-2.164e+04	-243.27	
3.042e+05												
	2.438e+05	-243.27	-0.02	0.0	340.8	2.149e+04	-2238.87	21.17	-2.164e+04	51.96		
2.438e+05												
182	78	3.632e+05	4993.94	-0.16	-4874.20	0.0	2068.74	5022.08	-26.37	-1.097e+04	4993.94	-
5.177e+05												
	-5.177e+05	-3992.76	3.09e-03	0.0	340.8	2402.05	147.88	-26.37	-1.097e+04	-3992.76		
3.632e+05												
182	79	3.288e+05	1.009e+04	-0.14	-4519.39	0.0	1840.84	4626.48	-128.58	-1.104e+04	1.009e+04	-
4.778e+05												
	-4.778e+05	-3314.43	5.19e-03	211.96	340.8	2149.89	107.09	83.37	-1.104e+04	2204.86		
3.288e+05												
182	80	3.264e+05	7728.88	-0.15	-4519.39	0.0	2060.40	4578.49	181.19	-6477.55	-5606.56	-
4.638e+05												
	-4.638e+05	-1.573e+04	-1.61e-03	-423.91	340.8	2369.45	59.10	-242.72	-6477.55	-1.573e+04		
3.264e+05												
182	81	3.211e+05	65.60	-0.16	-4519.39	0.0	3835.98	4349.93	-7.00	-9956.49	65.60	-
3.918e+05												
	-3.918e+05	-2321.20	3.28e-03	0.0	340.8	4145.02	-169.46	-7.00	-9956.49	-2321.20		
3.205e+05												
182	82	3.314e+05	7218.94	-0.13	-4519.39	0.0	14.84	4825.13	-34.50	-1.137e+04	7218.94	-
5.429e+05												
	-5.429e+05	-4538.28	2.84e-03	0.0	340.8	323.88	305.74	-34.50	-1.137e+04	-4538.28		
3.314e+05												
182	83	2.918e+05	4551.36	-0.13	-4164.57	0.0	1833.66	4182.13	-23.36	-1.113e+04	4551.36	-
4.238e+05												
	-4.238e+05	-3409.88	2.61e-03	0.0	340.8	2118.44	17.56	-23.36	-1.113e+04	-3409.88		
2.918e+05												
182	84	3.061e+05	4597.98	-0.14	-4306.50	0.0	1936.78	4345.95	-23.73	-1.117e+04	4597.98	-
4.411e+05												
	-4.411e+05	-3490.69	2.66e-03	0.0	340.8	2231.27	39.45	-23.73	-1.117e+04	-3490.69		
3.061e+05												
182	86	2.918e+05	4509.47	-0.13	-4164.57	0.0	1889.76	4177.96	-23.13	-1.120e+04	4509.47	-
4.224e+05												
	-4.224e+05	-3374.11	2.57e-03	0.0	340.8	2174.54	13.39	-23.13	-1.120e+04	-3374.11		
2.918e+05												
183	3	9.054e+05	2076.14	-0.42	-1.137e+04	0.0	1.503e+04	1.145e+04	-11.10	1295.31	2076.14	-
1.058e+06												
	-1.058e+06	-1706.21	1.11e-03	0.0	340.8	1.581e+04	74.43	-11.10	1295.31	-1706.21		
9.054e+05												
183	5	7.989e+05	1997.95	-0.38	-1.032e+04	0.0	1.333e+04	1.028e+04	-11.52	1.228e+04	1997.95	-
9.457e+05												
	-9.457e+05	-1927.21	4.42e-03	0.0	340.8	1.404e+04	-41.83	-11.52	1.228e+04	-1927.21		

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7.989e+05													
183	9	7.689e+05	2191.08	-0.38	-1.032e+04	0.0	1.479e+04	9992.75	-10.84	4739.75	2191.08	-	
8.779e+05													
		-8.779e+05	-1503.02	1.43e-03	0.0	340.8	1.549e+04	-329.40	-10.84	4739.75	-1503.02	-	
7.687e+05													
183	12	6.924e+05	1323.94	-0.31	-8546.25	0.0	9709.50	8789.60	-8.06	-880.91	1323.94	-	
8.468e+05													
		-8.468e+05	-1423.66	7.32e-04	0.0	340.8	1.029e+04	243.34	-8.06	-880.91	-1423.66	-	
6.924e+05													
183	21	4.877e+05	-5043.98	-0.25	-6971.27	0.0	1.083e+04	6488.63	-30.69	1.163e+05	-1.077e+04	-	
5.406e+05													
		-5.406e+05	-1.077e+04	0.03	0.0	340.8	1.130e+04	-482.64	-30.69	1.163e+05	-5043.98	-	
4.821e+05													
183	24	5.512e+05	1.258e+04	-0.23	-6971.27	0.0	7227.71	7136.19	20.65	-1.140e+05	1.258e+04	-	
6.936e+05													
		-6.936e+05	3431.10	-0.02	0.0	340.8	7704.43	164.92	20.65	-1.140e+05	3431.10	-	
5.512e+05													
183	34	7.582e+05	6574.65	-0.20	-6971.27	0.0	-5201.50	9169.13	-50.14	1.750e+04	6574.65	-	
1.182e+06													
		-1.182e+06	-5788.19	0.03	0.0	340.8	-4724.79	2197.86	-50.14	1.750e+04	-5788.19	-	
7.582e+05													
183	35	4.309e+05	4175.31	-0.29	-6971.27	0.0	2.326e+04	4455.69	40.10	-1.512e+04	-4764.89	-	
5.194e+04													
		-5.194e+04	-4764.89	-0.03	0.0	340.8	2.373e+04	-2515.58	40.10	-1.512e+04	4175.31	-	
2.751e+05													
183	53	4.957e+05	-3826.80	-0.25	-6971.27	0.0	1.031e+04	6581.52	-23.32	8.328e+04	-7419.43	-	
5.626e+05													
		-5.626e+05	-7419.43	0.02	0.0	340.8	1.079e+04	-389.76	-23.32	8.328e+04	-3826.80	-	
4.920e+05													
183	56	5.413e+05	9229.18	-0.24	-6971.27	0.0	7743.72	7043.31	13.28	-8.090e+04	9229.18	-	
6.716e+05													
		-6.716e+05	2213.91	-0.02	0.0	340.8	8220.43	72.03	13.28	-8.090e+04	2213.91	-	
5.413e+05													
183	66	6.889e+05	4947.82	-0.21	-6971.27	0.0	-1119.07	8492.70	-37.19	1.281e+04	4947.82	-	
1.020e+06													
		-1.020e+06	-4358.71	0.02	0.0	340.8	-642.35	1521.43	-37.19	1.281e+04	-4358.71	-	
6.889e+05													
183	67	4.275e+05	2745.82	-0.28	-6971.27	0.0	1.917e+04	5132.12	27.15	-1.044e+04	-3138.07	-	
2.141e+05													
		-2.141e+05	-3138.07	-0.02	0.0	340.8	1.965e+04	-1839.15	27.15	-1.044e+04	2745.82	-	
3.444e+05													
183	78	6.619e+05	1471.55	-0.31	-8370.17	0.0	1.107e+04	8399.09	-7.90	961.81	1471.55	-	
7.742e+05													
		-7.742e+05	-1220.17	7.90e-04	0.0	340.8	1.164e+04	28.92	-7.90	961.81	-1220.17	-	
6.619e+05													
183	79	5.909e+05	1419.42	-0.28	-7670.72	0.0	9934.63	7622.13	-8.18	8285.54	1419.42	-	
6.996e+05													
		-6.996e+05	-1367.50	3.00e-03	0.0	340.8	1.046e+04	-48.59	-8.18	8285.54	-1367.50	-	
5.909e+05													
183	81	5.708e+05	1548.18	-0.28	-7670.72	0.0	1.091e+04	7430.42	-7.73	3258.11	1548.18	-	
6.544e+05													
		-6.544e+05	-1084.71	1.00e-03	0.0	340.8	1.143e+04	-240.30	-7.73	3258.11	-1084.71	-	
5.708e+05													
183	82	6.074e+05	1101.27	-0.27	-7670.72	0.0	9089.28	7781.20	-6.62	-341.59	1101.27	-	
7.373e+05													
		-7.373e+05	-1155.85	6.17e-04	0.0	340.8	9613.82	110.48	-6.62	-341.59	-1155.85	-	
6.074e+05													
183	83	5.175e+05	944.07	-0.25	-6971.27	0.0	8979.96	6821.28	-5.23	1241.33	944.07	-	
6.193e+05													
		-6.193e+05	-839.58	5.11e-04	0.0	340.8	9456.68	-149.99	-5.23	1241.33	-839.58	-	
5.175e+05													
183	84	5.455e+05	1010.37	-0.26	-7251.05	0.0	9444.32	7127.97	-5.55	1130.97	1010.37	-	
6.481e+05													
		-6.481e+05	-882.56	5.31e-04	0.0	340.8	9940.17	-123.08	-5.55	1130.97	-882.56	-	
5.455e+05													
183	86	5.166e+05	904.88	-0.24	-6971.27	0.0	9027.23	6812.41	-5.02	1186.87	904.88	-	

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6.171e+05												
	-6.171e+05	-806.44	4.75e-04	0.0	340.8	9503.94	-158.86	-5.02	1186.87	-806.44		
5.166e+05												
184	3 9.061e+05	342.46	-0.44	-1.123e+04	0.0	1.740e+04	1.117e+04	-2.03	1259.99	342.46	-	
9.861e+05												
	-9.861e+05	-350.79	3.43e-04	0.0	340.8	1.816e+04	-62.93	-2.03	1259.99	-350.79		
9.061e+05												
184	5 7.988e+05	300.71	-0.39	-1.020e+04	0.0	1.555e+04	1.002e+04	-2.64	1.218e+04	300.71	-	
8.793e+05												
	-8.793e+05	-600.05	3.75e-03	0.0	340.8	1.625e+04	-173.81	-2.64	1.218e+04	-600.05		
7.988e+05												
184	11 8.251e+05	407.33	-0.39	-1.020e+04	0.0	1.465e+04	1.025e+04	-2.30	1065.88	407.33	-	
9.314e+05												
	-9.314e+05	-377.33	2.63e-04	0.0	340.8	1.535e+04	56.04	-2.30	1065.88	-377.33		
8.251e+05												
184	12 6.934e+05	350.63	-0.33	-8440.47	0.0	1.197e+04	8560.66	-1.98	845.64	350.63	-	
7.858e+05												
	-7.858e+05	-322.94	2.15e-04	0.0	340.8	1.255e+04	120.19	-1.98	845.64	-322.94		
6.934e+05												
184	21 4.746e+05	-3862.38	-0.26	-6888.40	0.0	1.259e+04	6163.41	38.68	1.165e+05	-1.114e+04	-	
4.637e+05												
	-4.637e+05	-1.114e+04	0.02	0.0	340.8	1.306e+04	-724.99	38.68	1.165e+05	-3862.38		
4.620e+05												
184	24 5.737e+05	1.151e+04	-0.25	-6888.40	0.0	8220.38	7143.46	-40.88	-1.148e+05	1.151e+04	-	
6.880e+05												
	-6.880e+05	3475.65	-0.02	0.0	340.8	8691.42	255.06	-40.88	-1.148e+05	3475.65		
5.737e+05												
184	34 7.443e+05	4171.15	-0.23	-6888.40	0.0	1232.75	8665.57	-14.29	2.861e+04	4171.15	-	
1.038e+06												
	-1.038e+06	-2526.71	0.03	0.0	340.8	1703.80	1777.17	-14.29	2.861e+04	-2526.71		
7.443e+05												
184	35 4.171e+05	2139.98	-0.27	-6888.40	0.0	1.958e+04	4641.31	12.09	-2.685e+04	-3806.22	-	
1.133e+05												
	-1.133e+05	-3806.22	-0.03	0.0	340.8	2.005e+04	-2247.09	12.09	-2.685e+04	2139.98		
2.913e+05												
184	53 4.859e+05	-2808.50	-0.26	-6888.40	0.0	1.196e+04	6304.06	27.26	8.335e+04	-7892.72	-	
4.959e+05												
	-4.959e+05	-7892.72	0.02	0.0	340.8	1.243e+04	-584.34	27.26	8.335e+04	-2808.50		
4.780e+05												
184	56 5.576e+05	8257.64	-0.25	-6888.40	0.0	8846.56	7002.82	-29.47	-8.159e+04	8257.64	-	
6.558e+05												
	-6.558e+05	2421.77	-0.02	0.0	340.8	9317.60	114.42	-29.47	-8.159e+04	2421.77		
5.576e+05												
184	66 6.793e+05	3026.67	-0.24	-6888.40	0.0	3863.12	8088.05	-10.51	2.065e+04	3026.67	-	
9.057e+05												
	-9.057e+05	-1856.77	0.02	0.0	340.8	4334.16	1199.65	-10.51	2.065e+04	-1856.77		
6.793e+05												
184	67 4.258e+05	1470.04	-0.27	-6888.40	0.0	1.695e+04	5218.82	8.30	-1.889e+04	-2661.75	-	
2.460e+05												
	-2.460e+05	-2661.75	-0.02	0.0	340.8	1.742e+04	-1669.58	8.30	-1.889e+04	1470.04		
3.563e+05												
184	78 6.626e+05	253.50	-0.32	-8266.94	0.0	1.279e+04	8196.48	-1.50	937.88	253.50	-	
7.221e+05												
	-7.221e+05	-258.03	2.50e-04	0.0	340.8	1.336e+04	-70.46	-1.50	937.88	-258.03		
6.626e+05												
184	79 5.911e+05	225.67	-0.29	-7577.67	0.0	1.156e+04	7433.28	-1.91	8217.49	225.67	-	
6.509e+05												
	-6.509e+05	-424.21	2.52e-03	0.0	340.8	1.208e+04	-144.39	-1.91	8217.49	-424.21		
5.911e+05												
184	82 6.086e+05	296.75	-0.29	-7577.67	0.0	1.096e+04	7586.52	-1.68	808.47	296.75	-	
6.856e+05												
	-6.856e+05	-275.72	1.96e-04	0.0	340.8	1.148e+04	8.85	-1.68	808.47	-275.72		
6.086e+05												
184	83 5.190e+05	180.12	-0.25	-6888.40	0.0	1.036e+04	6662.06	-1.10	894.04	180.12	-	
5.779e+05												
	-5.779e+05	-196.17	1.79e-04	0.0	340.8	1.084e+04	-226.34	-1.10	894.04	-196.17		

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5.187e+05												
184	84	5.466e+05	197.14	-0.26	-7164.11	0.0	1.089e+04	6960.32	-1.18	886.63	197.14	-
6.047e+05		-6.047e+05	-205.74	1.83e-04	0.0	340.8	1.138e+04	-203.79	-1.18	886.63	-205.74	
5.466e+05												
184	86	5.182e+05	182.46	-0.25	-6888.40	0.0	1.040e+04	6653.44	-1.10	877.86	182.46	-
5.759e+05		-5.759e+05	-193.37	1.68e-04	0.0	340.8	1.088e+04	-234.96	-1.10	877.86	-193.37	
5.178e+05												
185	3	9.061e+05	350.79	-0.44	-1.123e+04	0.0	1.740e+04	1.117e+04	2.03	-1259.99	-342.46	-
9.861e+05		-9.861e+05	-342.46	-3.43e-04	0.0	340.8	1.816e+04	-62.93	2.03	-1259.99	350.79	
9.061e+05												
185	7	7.988e+05	600.05	-0.39	-1.020e+04	0.0	1.555e+04	1.002e+04	2.64	-1.218e+04	-300.71	-
8.793e+05		-8.793e+05	-300.71	-3.75e-03	0.0	340.8	1.625e+04	-173.81	2.64	-1.218e+04	600.05	
7.988e+05												
185	11	8.251e+05	377.33	-0.39	-1.020e+04	0.0	1.465e+04	1.025e+04	2.30	-1065.88	-407.33	-
9.314e+05		-9.314e+05	-407.33	-2.63e-04	0.0	340.8	1.535e+04	56.04	2.30	-1065.88	377.33	
8.251e+05												
185	12	6.934e+05	322.94	-0.33	-8440.47	0.0	1.197e+04	8560.66	1.98	-845.64	-350.63	-
7.858e+05		-7.858e+05	-350.63	-2.15e-04	0.0	340.8	1.255e+04	120.19	1.98	-845.64	322.94	
6.934e+05												
185	26	5.737e+05	-3475.65	-0.25	-6888.40	0.0	8220.38	7143.46	40.88	1.148e+05	-1.151e+04	-
6.880e+05		-6.880e+05	-1.151e+04	0.02	0.0	340.8	8691.42	255.06	40.88	1.148e+05	-3475.65	
5.737e+05												
185	27	4.746e+05	1.114e+04	-0.26	-6888.40	0.0	1.259e+04	6163.41	-38.68	-1.165e+05	1.114e+04	-
4.637e+05		-4.637e+05	3862.38	-0.02	0.0	340.8	1.306e+04	-724.99	-38.68	-1.165e+05	3862.38	
4.620e+05												
185	41	4.171e+05	3806.22	-0.27	-6888.40	0.0	1.958e+04	4641.31	-12.09	2.685e+04	3806.22	-
1.133e+05		-1.133e+05	-2139.98	0.03	0.0	340.8	2.005e+04	-2247.09	-12.09	2.685e+04	-2139.98	
2.913e+05												
185	44	7.443e+05	2526.71	-0.23	-6888.40	0.0	1232.75	8665.57	14.29	-2.861e+04	-4171.15	-
1.038e+06		-1.038e+06	-4171.15	-0.03	0.0	340.8	1703.80	1777.17	14.29	-2.861e+04	2526.71	
7.443e+05												
185	58	5.576e+05	-2421.77	-0.25	-6888.40	0.0	8846.56	7002.82	29.47	8.159e+04	-8257.64	-
6.558e+05		-6.558e+05	-8257.64	0.02	0.0	340.8	9317.60	114.42	29.47	8.159e+04	-2421.77	
5.576e+05												
185	59	4.859e+05	7892.72	-0.26	-6888.40	0.0	1.196e+04	6304.06	-27.26	-8.335e+04	7892.72	-
4.959e+05		-4.959e+05	2808.50	-0.02	0.0	340.8	1.243e+04	-584.34	-27.26	-8.335e+04	2808.50	
4.780e+05												
185	73	4.258e+05	2661.75	-0.27	-6888.40	0.0	1.695e+04	5218.82	-8.30	1.889e+04	2661.75	-
2.460e+05		-2.460e+05	-1470.04	0.02	0.0	340.8	1.742e+04	-1669.58	-8.30	1.889e+04	-1470.04	
3.563e+05												
185	76	6.793e+05	1856.77	-0.24	-6888.40	0.0	3863.12	8088.05	10.51	-2.065e+04	-3026.67	-
9.057e+05		-9.057e+05	-3026.67	-0.02	0.0	340.8	4334.16	1199.65	10.51	-2.065e+04	1856.77	
6.793e+05												
185	78	6.626e+05	258.03	-0.32	-8266.94	0.0	1.279e+04	8196.48	1.50	-937.88	-253.50	-
7.221e+05		-7.221e+05	-253.50	-2.50e-04	0.0	340.8	1.336e+04	-70.46	1.50	-937.88	258.03	
6.626e+05												
185	80	5.911e+05	424.21	-0.29	-7577.67	0.0	1.156e+04	7433.28	1.91	-8217.49	-225.67	-
6.509e+05		-6.509e+05	-225.67	-2.52e-03	0.0	340.8	1.208e+04	-144.39	1.91	-8217.49	424.21	
5.911e+05												
185	82	6.086e+05	275.72	-0.29	-7577.67	0.0	1.096e+04	7586.52	1.68	-808.47	-296.75	-

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6.856e+05												
	-6.856e+05	-296.75	-1.96e-04	0.0	340.8	1.148e+04	8.85	1.68	-808.47	275.72		
6.086e+05												
185	83 5.190e+05	196.17	-0.25	-6888.40	0.0	1.036e+04	6662.06	1.10	-894.04	-180.12	-	
5.779e+05												
	-5.779e+05	-180.12	-1.79e-04	0.0	340.8	1.084e+04	-226.34	1.10	-894.04	196.17		
5.187e+05												
185	84 5.466e+05	205.74	-0.26	-7164.11	0.0	1.089e+04	6960.32	1.18	-886.63	-197.14	-	
6.047e+05												
	-6.047e+05	-197.14	-1.83e-04	0.0	340.8	1.138e+04	-203.79	1.18	-886.63	205.74		
5.466e+05												
185	86 5.182e+05	193.37	-0.25	-6888.40	0.0	1.040e+04	6653.44	1.10	-877.86	-182.46	-	
5.759e+05												
	-5.759e+05	-182.46	-1.68e-04	0.0	340.8	1.088e+04	-234.96	1.10	-877.86	193.37		
5.178e+05												
186	3 9.054e+05	1706.21	-0.42	-1.137e+04	0.0	1.503e+04	1.145e+04	11.10	-1295.31	-2076.14	-	
1.058e+06												
	-1.058e+06	-2076.14	-1.11e-03	0.0	340.8	1.581e+04	74.43	11.10	-1295.31	1706.21		
9.054e+05												
186	7 7.989e+05	1927.21	-0.38	-1.032e+04	0.0	1.333e+04	1.028e+04	11.52	-1.228e+04	-1997.95	-	
9.457e+05												
	-9.457e+05	-1997.95	-4.42e-03	0.0	340.8	1.404e+04	-41.83	11.52	-1.228e+04	1927.21		
7.989e+05												
186	9 7.689e+05	1503.02	-0.38	-1.032e+04	0.0	1.479e+04	9992.75	10.84	-4739.75	-2191.08	-	
8.779e+05												
	-8.779e+05	-2191.08	-1.43e-03	0.0	340.8	1.549e+04	-329.40	10.84	-4739.75	1503.02		
7.687e+05												
186	12 6.924e+05	1423.66	-0.31	-8546.25	0.0	9709.50	8789.60	8.06	880.91	-1323.94	-	
8.468e+05												
	-8.468e+05	-1323.94	-7.32e-04	0.0	340.8	1.029e+04	243.34	8.06	880.91	1423.66		
6.924e+05												
186	26 5.512e+05	-3431.10	-0.23	-6971.27	0.0	7227.71	7136.19	-20.65	1.140e+05	-1.258e+04	-	
6.936e+05												
	-6.936e+05	-1.258e+04	0.02	0.0	340.8	7704.43	164.92	-20.65	1.140e+05	-3431.10		
5.512e+05												
186	27 4.877e+05	1.077e+04	-0.25	-6971.27	0.0	1.083e+04	6488.63	30.69	-1.163e+05	1.077e+04	-	
5.406e+05												
	-5.406e+05	5043.98	-0.03	0.0	340.8	1.130e+04	-482.64	30.69	-1.163e+05	5043.98		
4.821e+05												
186	41 4.309e+05	4764.89	-0.29	-6971.27	0.0	2.326e+04	4455.69	-40.10	1.512e+04	4764.89	-	
5.194e+04												
	-5.194e+04	-4175.31	0.03	0.0	340.8	2.373e+04	-2515.58	-40.10	1.512e+04	-4175.31		
2.751e+05												
186	44 7.582e+05	5788.19	-0.20	-6971.27	0.0	-5201.50	9169.13	50.14	-1.750e+04	-6574.65	-	
1.182e+06												
	-1.182e+06	-6574.65	-0.03	0.0	340.8	-4724.79	2197.86	50.14	-1.750e+04	5788.19		
7.582e+05												
186	58 5.413e+05	-2213.91	-0.24	-6971.27	0.0	7743.72	7043.31	-13.28	8.090e+04	-9229.18	-	
6.716e+05												
	-6.716e+05	-9229.18	0.02	0.0	340.8	8220.43	72.03	-13.28	8.090e+04	-2213.91		
5.413e+05												
186	59 4.957e+05	7419.43	-0.25	-6971.27	0.0	1.031e+04	6581.52	23.32	-8.328e+04	7419.43	-	
5.626e+05												
	-5.626e+05	3826.80	-0.02	0.0	340.8	1.079e+04	-389.76	23.32	-8.328e+04	3826.80		
4.920e+05												
186	73 4.275e+05	3138.07	-0.28	-6971.27	0.0	1.917e+04	5132.12	-27.15	1.044e+04	3138.07	-	
2.141e+05												
	-2.141e+05	-2745.82	0.02	0.0	340.8	1.965e+04	-1839.15	-27.15	1.044e+04	-2745.82		
3.444e+05												
186	76 6.889e+05	4358.71	-0.21	-6971.27	0.0	-1119.07	8492.70	37.19	-1.281e+04	-4947.82	-	
1.020e+06												
	-1.020e+06	-4947.82	-0.02	0.0	340.8	-642.35	1521.43	37.19	-1.281e+04	4358.71		
6.889e+05												
186	78 6.619e+05	1220.17	-0.31	-8370.17	0.0	1.107e+04	8399.09	7.90	-961.81	-1471.55	-	
7.742e+05												
	-7.742e+05	-1471.55	-7.90e-04	0.0	340.8	1.164e+04	28.92	7.90	-961.81	1220.17		

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6.619e+05 186	80	5.909e+05	1367.50	-0.28	-7670.72	0.0	9934.63	7622.13	8.18	-8285.54	-1419.42	-
6.996e+05		-6.996e+05	-1419.42	-3.00e-03	0.0	340.8	1.046e+04	-48.59	8.18	-8285.54	1367.50	
5.909e+05 186	81	5.708e+05	1084.71	-0.28	-7670.72	0.0	1.091e+04	7430.42	7.73	-3258.11	-1548.18	-
6.544e+05		-6.544e+05	-1548.18	-1.00e-03	0.0	340.8	1.143e+04	-240.30	7.73	-3258.11	1084.71	
5.708e+05 186	82	6.074e+05	1155.85	-0.27	-7670.72	0.0	9089.28	7781.20	6.62	341.59	-1101.27	-
7.373e+05		-7.373e+05	-1101.27	-6.17e-04	0.0	340.8	9613.82	110.48	6.62	341.59	1155.85	
6.074e+05 186	83	5.175e+05	839.58	-0.25	-6971.27	0.0	8979.96	6821.28	5.23	-1241.33	-944.07	-
6.193e+05		-6.193e+05	-944.07	-5.11e-04	0.0	340.8	9456.68	-149.99	5.23	-1241.33	839.58	
5.175e+05 186	84	5.455e+05	882.56	-0.26	-7251.05	0.0	9444.32	7127.97	5.55	-1130.97	-1010.37	-
6.481e+05		-6.481e+05	-1010.37	-5.31e-04	0.0	340.8	9940.17	-123.08	5.55	-1130.97	882.56	
5.455e+05 186	86	5.166e+05	806.44	-0.24	-6971.27	0.0	9027.23	6812.41	5.02	-1186.87	-904.88	-
6.171e+05		-6.171e+05	-904.88	-4.75e-04	0.0	340.8	9503.94	-158.86	5.02	-1186.87	806.44	
5.166e+05 187	3	4.942e+05	5434.28	-0.22	-6585.07	0.0	2756.04	6807.31	35.75	1.575e+04	-6750.70	-
7.036e+05		-7.036e+05	-6750.70	-4.19e-03	0.0	340.8	3206.34	222.24	35.75	1.575e+04	5434.28	
4.942e+05 187	5	4.390e+05	2.304e+04	-0.20	-6052.86	0.0	2743.52	6141.92	-275.59	9018.61	9150.06	-
6.228e+05		-6.228e+05	-1.142e+04	2.56e-03	635.87	340.8	3157.43	89.07	360.28	9018.61	2.304e+04	
4.390e+05 187	7	4.426e+05	4902.45	-0.20	-6052.86	0.0	2414.18	6213.91	189.07	1.587e+04	-1.439e+04	-
6.437e+05		-6.437e+05	-1.439e+04	-7.34e-03	-317.93	340.8	2828.09	161.06	-128.86	1.587e+04	-3862.15	
4.426e+05 187	9	4.315e+05	2926.95	-0.22	-6052.86	0.0	5406.89	5799.09	6.71	1.424e+04	641.82	-
5.148e+05		-5.148e+05	641.82	-4.47e-03	0.0	340.8	5820.79	-253.77	6.71	1.424e+04	2926.95	
4.301e+05 187	11	4.464e+05	6252.58	-0.18	-6052.86	0.0	-324.83	6511.89	47.95	1.635e+04	-1.009e+04	-
7.415e+05		-7.415e+05	-1.009e+04	-3.81e-03	0.0	340.8	89.08	459.03	47.95	1.635e+04	6252.58	
4.464e+05 187	12	3.704e+05	5420.30	-0.15	-4963.52	0.0	-845.44	5423.18	42.25	1.530e+04	-8977.88	-
6.320e+05		-6.320e+05	-8977.88	-3.14e-03	0.0	340.8	-506.03	459.65	42.25	1.530e+04	5420.30	
3.704e+05 187	26	2.740e+05	-373.32	-0.11	-4164.57	0.0	-454.79	4350.67	-24.04	8.874e+04	-2.503e+04	-
4.898e+05		-4.898e+05	-2.503e+04	0.02	0.0	340.8	-170.01	186.10	-24.04	8.874e+04	-373.32	
2.740e+05 187	27	3.097e+05	1.601e+04	-0.15	-4164.57	0.0	4234.31	4005.25	70.31	-6.633e+04	1.601e+04	-
3.550e+05		-3.550e+05	7121.55	-0.02	0.0	340.8	4519.10	-159.32	70.31	-6.633e+04	7121.55	
3.096e+05 187	41	6.366e+05	2156.40	-0.29	-4164.57	0.0	2.898e+04	1019.27	-39.00	2.588e+04	2156.40	-
5.966e+05		2.244e+05	-1429.04	0.03	0.0	340.8	2.927e+04	-3145.31	-39.00	2.588e+04	-1429.04	
2.244e+05 187	44	3.593e+05	8177.26	0.07	-4164.57	0.0	-2.520e+04	7336.66	85.26	-3473.94	-1.118e+04	-
1.441e+06		-1.441e+06	-1.118e+04	-0.04	0.0	340.8	-2.492e+04	3172.08	85.26	-3473.94	8177.26	
3.593e+05 187	58	2.795e+05	704.17	-0.11	-4164.57	0.0	218.01	4301.66	-10.50	6.648e+04	-1.914e+04	-

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4.705e+05												
	-4.705e+05	-1.914e+04	0.01	0.0	340.8	502.79	137.08	-10.50	6.648e+04	704.17		
2.795e+05												
187	59	3.042e+05	1.012e+04	-0.15	-4164.57	0.0	3561.52	4054.27	56.77	-4.408e+04	1.012e+04	-
3.742e+05												
		-3.742e+05	6044.06	-0.02	0.0	340.8	3846.30	-110.31	56.77	-4.408e+04	6044.06	
3.042e+05												
187	73	4.524e+05	243.27	-0.25	-4164.57	0.0	2.121e+04	1925.71	-21.17	2.164e+04	243.27	
3.042e+05												
		2.438e+05	-51.96	0.02	0.0	340.8	2.149e+04	-2238.87	-21.17	2.164e+04	-51.96	
2.438e+05												
187	76	3.399e+05	6800.18	0.04	-4164.57	0.0	-1.743e+04	6430.22	67.43	759.94	-9262.21	-
1.149e+06												
		-1.149e+06	-9262.21	-0.03	0.0	340.8	-1.714e+04	2265.64	67.43	759.94	6800.18	
3.399e+05												
187	78	3.632e+05	3992.76	-0.16	-4874.20	0.0	2068.74	5022.08	26.37	1.097e+04	-4993.94	-
5.177e+05												
		-5.177e+05	-4993.94	-3.09e-03	0.0	340.8	2402.05	147.88	26.37	1.097e+04	3992.76	
3.632e+05												
187	79	3.264e+05	1.573e+04	-0.15	-4519.39	0.0	2060.40	4578.49	-181.19	6477.55	5606.56	-
4.638e+05												
		-4.638e+05	-7728.88	1.61e-03	423.91	340.8	2369.45	59.10	242.72	6477.55	1.573e+04	
3.264e+05												
187	80	3.288e+05	3314.43	-0.14	-4519.39	0.0	1840.84	4626.48	128.58	1.104e+04	-1.009e+04	-
4.778e+05												
		-4.778e+05	-1.009e+04	-5.19e-03	-211.96	340.8	2149.89	107.09	-83.37	1.104e+04	-2204.86	
3.288e+05												
187	81	3.211e+05	2321.20	-0.16	-4519.39	0.0	3835.98	4349.93	7.00	9956.49	-65.60	-
3.918e+05												
		-3.918e+05	-65.60	-3.28e-03	0.0	340.8	4145.02	-169.46	7.00	9956.49	2321.20	
3.205e+05												
187	82	3.314e+05	4538.28	-0.13	-4519.39	0.0	14.84	4825.13	34.50	1.137e+04	-7218.94	-
5.429e+05												
		-5.429e+05	-7218.94	-2.84e-03	0.0	340.8	323.88	305.74	34.50	1.137e+04	4538.28	
3.314e+05												
187	83	2.918e+05	3409.88	-0.13	-4164.57	0.0	1833.66	4182.13	23.36	1.113e+04	-4551.36	-
4.238e+05												
		-4.238e+05	-4551.36	-2.61e-03	0.0	340.8	2118.44	17.56	23.36	1.113e+04	3409.88	
2.918e+05												
187	84	3.061e+05	3490.69	-0.14	-4306.50	0.0	1936.78	4345.95	23.73	1.117e+04	-4597.98	-
4.411e+05												
		-4.411e+05	-4597.98	-2.66e-03	0.0	340.8	2231.27	39.45	23.73	1.117e+04	3490.69	
3.061e+05												
187	86	2.918e+05	3374.11	-0.13	-4164.57	0.0	1889.76	4177.96	23.13	1.120e+04	-4509.47	-
4.224e+05												
		-4.224e+05	-4509.47	-2.57e-03	0.0	340.8	2174.54	13.39	23.13	1.120e+04	3374.11	
2.918e+05												
188	5	1.223e+05	1.767e+04	-0.03	-7599.96	0.0	-3221.84	5226.17	-153.51	-7655.80	7411.62	-
5.083e+05												
		-5.083e+05	-3949.19	4.69e-04	367.29	350.9	-2668.13	-2373.78	213.78	-7655.80	1.767e+04	-
7782.93												
188	8	8.535e+04	5967.71	-0.02	-6478.58	0.0	-3380.83	4227.84	271.68	-6028.94	-1.186e+04	-
3.979e+05												
		-3.979e+05	-4.478e+04	-6.53e-03	-734.58	350.9	-2908.82	-2250.74	-462.90	-6028.94	-4.478e+04	-
5.099e+04												
188	9	9467.97	3987.17	-0.03	-7599.96	0.0	-5815.28	3984.29	17.21	-3874.76	-2053.95	-
3.563e+05												
		-3.563e+05	-2053.95	-2.57e-03	0.0	350.9	-5261.56	-3615.67	17.21	-3874.76	3987.17	-
2.916e+05												
188	11	2.756e+05	4413.43	-0.03	-7599.96	0.0	-2249.34	6260.70	-38.90	-2763.20	4413.43	-
6.292e+05												
		-6.292e+05	-9236.41	-2.64e-03	0.0	350.9	-1695.63	-1339.25	-38.90	-2763.20	-9236.41	
2.344e+05												
188	12	2.604e+05	4497.08	-0.03	-6478.58	0.0	-1583.52	5458.93	-39.50	-9760.80	4497.08	-
5.456e+05												
		-5.456e+05	-9365.38	-2.29e-03	0.0	350.9	-1111.51	-1019.65	-39.50	-9760.80	-9365.38	

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2.333e+05 188	16	5.288e+05	3.290e+04	-0.03	-4287.06	0.0	-1456.83	5259.07	-194.50	6.512e+04	3.290e+04	-
5.626e+05		-5.626e+05	-3.538e+04	-0.01	0.0	350.9	-1144.49	972.01	-194.50	6.512e+04	-3.538e+04	
5.288e+05 188	32	2.297e+06	3.170e+04	-0.09	-4287.06	0.0	1.139e+04	1.290e+04	-196.98	4.046e+04	3.170e+04	-
1.476e+06		-1.476e+06	-3.751e+04	0.01	0.0	350.9	1.170e+04	8609.27	-196.98	4.046e+04	-3.751e+04	
2.297e+06 188	34	2.499e+06	1.797e+04	-0.10	-4287.06	0.0	1.383e+04	1.379e+04	-119.89	8224.82	1.797e+04	-
1.589e+06		-1.589e+06	-2.413e+04	0.03	0.0	350.9	1.415e+04	9505.46	-119.89	8224.82	-2.413e+04	
2.499e+06 188	35	9.585e+05	1.919e+04	0.07	-4287.06	0.0	-1.881e+04	-7692.87	98.71	-7440.29	-1.547e+04	
9.585e+05		-2.494e+06	-1.547e+04	-0.03	0.0	350.9	-1.849e+04	-1.198e+04	98.71	-7440.29	1.919e+04	-
2.494e+06 188	48	3.779e+05	2.382e+04	-0.02	-4287.06	0.0	-1749.49	4625.00	-141.72	4.632e+04	2.382e+04	-
4.916e+05		-4.916e+05	-2.594e+04	-9.38e-03	0.0	350.9	-1437.15	337.94	-141.72	4.632e+04	-2.594e+04	
3.779e+05 188	64	1.639e+06	2.296e+04	-0.07	-4287.06	0.0	7414.73	1.007e+04	-143.51	2.889e+04	2.296e+04	-
1.143e+06		-1.143e+06	-2.746e+04	7.97e-03	0.0	350.9	7727.07	5783.22	-143.51	2.889e+04	-2.746e+04	
1.639e+06 188	66	1.783e+06	1.317e+04	-0.08	-4287.06	0.0	9156.30	1.071e+04	-88.55	6050.87	1.317e+04	-
1.223e+06		-1.223e+06	-1.792e+04	0.02	0.0	350.9	9468.64	6422.19	-88.55	6050.87	-1.792e+04	
1.783e+06 188	67	5.929e+05	1.298e+04	0.05	-4287.06	0.0	-1.413e+04	-4609.60	67.37	-5266.34	-1.068e+04	
5.929e+05		-1.777e+06	-1.068e+04	-0.02	0.0	350.9	-1.381e+04	-8896.66	67.37	-5266.34	1.298e+04	-
1.777e+06 188	79	8.905e+04	1.184e+04	-0.02	-5565.03	0.0	-2443.81	3840.46	-102.07	-1993.83	4903.90	-
3.760e+05		-3.760e+05	-2628.62	-2.83e-04	244.86	350.9	-2038.36	-1724.57	142.79	-1993.83	1.184e+04	-
4718.12 188	80	7.532e+04	3974.12	-0.02	-5565.03	0.0	-2993.69	3709.42	181.79	3755.81	-7998.07	-
3.581e+05		-3.581e+05	-2.971e+04	-4.74e-03	-489.72	350.9	-2588.24	-1855.61	-307.93	3755.81	-2.971e+04	-
3.282e+04 188	81	1.107e+04	2715.43	-0.02	-5565.03	0.0	-4172.77	3012.54	11.75	526.87	-1406.47	-
2.746e+05		-2.746e+05	-1406.47	-1.86e-03	0.0	350.9	-3767.32	-2552.49	11.75	526.87	2715.43	-
1.939e+05 188	82	1.905e+05	2905.11	-0.02	-5565.03	0.0	-1795.48	4530.15	-25.66	1267.91	2905.11	-
4.566e+05		-4.566e+05	-6100.29	-1.92e-03	0.0	350.9	-1390.03	-1034.88	-25.66	1267.91	-6100.29	
1.567e+05 188	83	6.637e+04	1257.97	-0.02	-4287.06	0.0	-2509.12	3058.82	-10.90	207.41	1257.97	-
3.161e+05		-3.161e+05	-2566.55	-2.18e-03	0.0	350.9	-2196.78	-1228.24	-10.90	207.41	-2566.55	
5137.06 188	84	7.140e+04	1138.96	-0.02	-4798.25	0.0	-2573.04	3336.84	-10.04	537.71	1138.96	-
3.357e+05		-3.357e+05	-2382.74	-2.24e-03	0.0	350.9	-2223.45	-1461.41	-10.04	537.71	-2382.74	-
6641.55 188	85	6.501e+04	1247.52	-0.02	-4287.06	0.0	-2485.52	3049.83	-10.59	392.27	1247.52	-
3.153e+05		-3.153e+05	-2469.04	-2.21e-03	0.0	350.9	-2173.18	-1237.24	-10.59	392.27	-2469.04	
2787.15 188	86	6.501e+04	1247.52	-0.02	-4287.06	0.0	-2485.52	3049.83	-10.59	392.27	1247.52	-
3.153e+05		-3.153e+05	-2469.04	-2.21e-03	0.0	350.9	-2173.18	-1237.24	-10.59	392.27	-2469.04	
2787.15 189	3	2.413e+05	6140.89	-0.08	-1.676e+04	0.0	-1398.93	8913.96	34.92	1.778e+04	-6113.54	-

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5.877e+05												
4.007e+05												
189	5	1.846e+05	9088.78	-0.06	-1.298e+04	0.0	-1586.38	6947.47	51.23	2.919e+04	-8890.05	-
4.660e+05												
		-4.660e+05	-8890.05	3.06e-03	0.0	350.9	-640.45	-6035.90	51.23	2.919e+04	9088.78	-
3.061e+05												
189	9	1.753e+05	7147.12	-0.05	-1.298e+04	0.0	-2888.71	6702.83	40.74	1.761e+04	-7148.38	-
4.313e+05												
		-4.313e+05	-7148.38	2.18e-04	0.0	350.9	-1942.78	-6280.54	40.74	1.761e+04	7147.12	-
3.572e+05												
189	12	1.746e+05	940.48	-0.06	-1.123e+04	0.0	329.02	6236.51	8.67	1.360e+04	-2102.06	-
4.328e+05												
		-4.328e+05	-2102.06	1.21e-04	0.0	350.9	1147.49	-4997.48	8.67	1.360e+04	940.48	-
2.154e+05												
189	13	5.782e+04	7.214e+04	0.02	-6913.81	0.0	-6424.84	3015.08	383.25	1.576e+05	-6.245e+04	-
1.843e+05												
		-3.133e+05	-6.245e+04	0.01	0.0	350.9	-5921.12	-3898.73	383.25	1.576e+05	7.214e+04	-
3.133e+05												
189	16	1.538e+05	5.577e+04	-0.05	-6913.81	0.0	3469.32	4435.34	-344.76	-1.374e+05	5.577e+04	-
3.289e+05												
		-3.289e+05	-6.531e+04	-0.01	0.0	350.9	3973.04	-2478.48	-344.76	-1.374e+05	-6.531e+04	-
1.156e+04												
189	34	3.219e+05	1.119e+04	-0.09	-6913.81	0.0	1.354e+04	5869.84	-69.84	4.179e+04	1.119e+04	-
5.517e+05												
		-5.517e+05	-1.331e+04	0.03	0.0	350.9	1.404e+04	-1043.98	-69.84	4.179e+04	-1.331e+04	-
2.951e+05												
189	35	1.014e+05	2.014e+04	0.05	-6913.81	0.0	-1.649e+04	1580.58	108.34	-2.160e+04	-1.787e+04	-
3.855e+04												
		-6.200e+05	-1.787e+04	-0.03	0.0	350.9	-1.599e+04	-5333.23	108.34	-2.160e+04	2.014e+04	-
6.200e+05												
189	45	6.577e+04	5.241e+04	0.01	-6913.81	0.0	-5004.65	3218.90	278.76	1.152e+05	-4.548e+04	-
2.050e+05												
		-2.700e+05	-4.548e+04	9.05e-03	0.0	350.9	-4500.93	-3694.91	278.76	1.152e+05	5.241e+04	-
2.700e+05												
189	48	1.345e+05	3.880e+04	-0.05	-6913.81	0.0	2049.12	4231.52	-240.27	-9.499e+04	3.880e+04	-
3.082e+05												
		-3.082e+05	-4.559e+04	-9.65e-03	0.0	350.9	2552.84	-2682.29	-240.27	-9.499e+04	-4.559e+04	-
5.486e+04												
189	66	2.335e+05	7017.35	-0.07	-6913.81	0.0	9229.78	5254.30	-44.28	3.267e+04	7017.35	-
4.670e+05												
		-4.670e+05	-8514.91	0.02	0.0	350.9	9733.50	-1659.51	-44.28	3.267e+04	-8514.91	-
1.638e+05												
189	67	7.620e+04	1.534e+04	0.03	-6913.81	0.0	-1.219e+04	2196.12	82.78	-1.248e+04	-1.370e+04	-
4.616e+04												
		-4.886e+05	-1.370e+04	-0.02	0.0	350.9	-1.168e+04	-4717.69	82.78	-1.248e+04	1.534e+04	-
4.886e+05												
189	78	1.715e+05	4530.69	-0.06	-1.195e+04	0.0	-1112.28	6363.37	25.83	1.267e+04	-4534.86	-
4.210e+05												
		-4.210e+05	-4534.86	-4.00e-04	0.0	350.9	-241.47	-5588.99	25.83	1.267e+04	4530.69	-
2.852e+05												
189	79	1.337e+05	6495.95	-0.04	-9433.08	0.0	-1237.25	5052.37	36.71	2.028e+04	-6385.87	-
3.399e+05												
		-3.399e+05	-6385.87	1.97e-03	0.0	350.9	-549.98	-4380.71	36.71	2.028e+04	6495.95	-
2.221e+05												
189	81	1.273e+05	5201.51	-0.04	-9433.08	0.0	-2105.47	4889.28	29.71	1.256e+04	-5224.75	-
3.168e+05												
		-3.168e+05	-5224.75	1.41e-04	0.0	350.9	-1418.20	-4543.80	29.71	1.256e+04	5201.51	-
2.561e+05												
189	82	1.430e+05	1718.89	-0.05	-9433.08	0.0	-229.81	5209.49	12.16	1.113e+04	-2549.29	-
3.617e+05												
		-3.617e+05	-2549.29	-1.66e-04	0.0	350.9	457.46	-4223.59	12.16	1.113e+04	1718.89	-
1.887e+05												
189	84	1.102e+05	3624.43	-0.03	-7921.52	0.0	-1413.92	4252.05	20.47	1.053e+04	-3558.10	-
2.894e+05												
		-2.894e+05	-3558.10	-3.54e-04	0.0	350.9	-836.78	-3669.48	20.47	1.053e+04	3624.43	-

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1.872e+05 189	85	9.492e+04	3414.24	-0.03	-6913.81	0.0	-1477.76	3725.21	19.25	1.010e+04	-3340.47	-
2.566e+05		-2.566e+05	-3340.47	-3.33e-04	0.0	350.9	-974.04	-3188.60	19.25	1.010e+04	3414.24	-
1.624e+05 189	86	9.492e+04	3414.24	-0.03	-6913.81	0.0	-1477.76	3725.21	19.25	1.010e+04	-3340.47	-
2.566e+05		-2.566e+05	-3340.47	-3.33e-04	0.0	350.9	-974.04	-3188.60	19.25	1.010e+04	3414.24	-
1.624e+05 190	3	2.411e+05	974.83	-0.08	-1.654e+04	0.0	-1423.92	8900.79	5.95	1691.87	-1111.61	-
5.978e+05		-5.978e+05	-1111.61	-2.23e-04	0.0	350.9	-218.99	-7637.47	5.95	1691.87	974.83	-
3.761e+05 190	5	1.839e+05	5720.89	-0.06	-1.281e+04	0.0	-1711.60	6940.91	30.56	1.502e+04	-5003.98	-
4.748e+05		-4.748e+05	-5003.98	3.11e-03	0.0	350.9	-777.99	-5873.43	30.56	1.502e+04	5720.89	-
2.875e+05 190	9	1.734e+05	1821.55	-0.05	-1.281e+04	0.0	-2606.51	6692.94	8.99	2151.46	-1334.27	-
4.389e+05		-4.389e+05	-1334.27	6.44e-05	0.0	350.9	-1672.90	-6121.40	8.99	2151.46	1821.55	-
3.386e+05 190	12	1.746e+05	-297.98	-0.06	-1.109e+04	0.0	-154.93	6248.04	-1.16	296.11	-297.98	-
4.433e+05		-4.433e+05	-703.32	-1.56e-04	0.0	350.9	652.76	-4837.79	-1.16	296.11	-703.32	-
1.959e+05 190	13	7.171e+04	6.849e+04	0.02	-6828.50	0.0	-4771.78	3085.01	367.18	1.524e+05	-6.044e+04	-
1.726e+05		-2.882e+05	-6.044e+04	0.01	0.0	350.9	-4274.28	-3743.49	367.18	1.524e+05	6.849e+04	-
2.882e+05 190	16	1.389e+05	5.931e+04	-0.04	-6828.50	0.0	1595.14	4379.81	-360.75	-1.506e+05	5.931e+04	-
3.538e+05		-3.538e+05	-6.737e+04	-0.01	0.0	350.9	2092.64	-2448.69	-360.75	-1.506e+05	-6.737e+04	-
1.486e+04 190	34	3.151e+05	1627.71	-0.09	-6828.50	0.0	8730.77	5819.97	3.24	3.323e+04	462.26	-
5.548e+05		-5.548e+05	462.26	0.03	0.0	350.9	9228.27	-1008.53	3.24	3.323e+04	1627.71	-
2.895e+05 190	35	9.784e+04	-505.03	0.05	-6828.50	0.0	-1.191e+04	1644.85	3.18	-3.147e+04	-1594.38	-
2.843e+04		-5.926e+05	-1594.38	-0.03	0.0	350.9	-1.141e+04	-5183.65	3.18	-3.147e+04	-505.03	-
5.926e+05 190	45	7.578e+04	4.899e+04	-0.02	-6828.50	0.0	-3858.13	3270.83	262.69	1.088e+05	-4.325e+04	-
1.986e+05		-2.489e+05	-4.325e+04	9.01e-03	0.0	350.9	-3360.62	-3557.67	262.69	1.088e+05	4.899e+04	-
2.489e+05 190	48	1.241e+05	4.212e+04	-0.04	-6828.50	0.0	681.48	4194.00	-256.26	-1.071e+05	4.212e+04	-
3.278e+05		-3.278e+05	-4.787e+04	-9.32e-03	0.0	350.9	1178.98	-2634.50	-256.26	-1.071e+05	-4.787e+04	-
5.408e+04 190	66	2.291e+05	1320.60	-0.07	-6828.50	0.0	5769.30	5220.82	3.23	2.391e+04	168.98	-
4.711e+05		-4.711e+05	168.98	0.02	0.0	350.9	6266.81	-1607.68	3.23	2.391e+04	1320.60	-
1.630e+05 190	67	7.381e+04	-197.92	0.04	-6828.50	0.0	-8945.95	2244.01	3.20	-2.215e+04	-1301.10	-
5.526e+04		-4.660e+05	-1301.10	-0.02	0.0	350.9	-8448.45	-4584.49	3.20	-2.215e+04	-197.92	-
4.660e+05 190	78	1.713e+05	727.43	-0.05	-1.179e+04	0.0	-1139.31	6355.00	4.38	1292.10	-809.82	-
4.284e+05		-4.284e+05	-809.82	-1.70e-04	0.0	350.9	-280.05	-5438.74	4.38	1292.10	727.43	-
2.676e+05 190	79	1.332e+05	3891.47	-0.04	-9311.12	0.0	-1331.10	5048.41	20.79	1.017e+04	-3404.74	-
3.464e+05		-3.464e+05	-3404.74	2.05e-03	0.0	350.9	-652.71	-4262.71	20.79	1.017e+04	3891.47	-
2.086e+05 190	81	1.259e+05	1291.91	-0.04	-9311.12	0.0	-1927.70	4883.09	6.41	1598.49	-958.26	-

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3.225e+05												
	-3.225e+05	-958.26	-3.34e-05	0.0	350.9	-1249.32	-4428.03	6.41	1598.49	1291.91	-	
2.426e+05												
190	82 1.428e+05	-275.02	-0.05	-9311.12	0.0	-578.35	5218.20	0.27	607.87	-370.53	-	
3.703e+05												
	-3.703e+05	-370.53	-1.57e-04	0.0	350.9	100.03	-4092.92	0.27	607.87	-275.02	-	
1.728e+05												
190	84 1.098e+05	591.30	-0.03	-7821.55	0.0	-1507.19	4255.70	3.42	958.28	-608.88	-	
2.961e+05												
	-2.961e+05	-608.88	-1.59e-04	0.0	350.9	-937.33	-3565.85	3.42	958.28	591.30	-	
1.750e+05												
190	85 9.450e+04	561.34	-0.03	-6828.50	0.0	-1588.32	3732.41	3.21	877.42	-566.06	-	
2.632e+05												
	-2.632e+05	-566.06	-1.53e-04	0.0	350.9	-1090.82	-3096.09	3.21	877.42	561.34	-	
1.515e+05												
190	86 9.450e+04	561.34	-0.03	-6828.50	0.0	-1588.32	3732.41	3.21	877.42	-566.06	-	
2.632e+05												
	-2.632e+05	-566.06	-1.53e-04	0.0	350.9	-1090.82	-3096.09	3.21	877.42	561.34	-	
1.515e+05												
191	3 2.411e+05	1111.61	-0.08	-1.654e+04	0.0	-1423.92	8900.79	-5.95	-1691.87	1111.61	-	
5.978e+05												
	-5.978e+05	-974.83	2.23e-04	0.0	350.9	-218.99	-7637.47	-5.95	-1691.87	-974.83	-	
3.761e+05												
191	7 1.839e+05	5003.98	-0.06	-1.281e+04	0.0	-1711.60	6940.91	-30.56	-1.502e+04	5003.98	-	
4.748e+05												
	-4.748e+05	-5720.89	-3.11e-03	0.0	350.9	-777.99	-5873.43	-30.56	-1.502e+04	-5720.89	-	
2.875e+05												
191	9 1.734e+05	1334.27	-0.05	-1.281e+04	0.0	-2606.51	6692.94	-8.99	-2151.46	1334.27	-	
4.389e+05												
	-4.389e+05	-1821.55	-6.44e-05	0.0	350.9	-1672.90	-6121.40	-8.99	-2151.46	-1821.55	-	
3.386e+05												
191	12 1.746e+05	703.32	-0.06	-1.109e+04	0.0	-154.93	6248.04	1.16	-296.11	297.98	-	
4.433e+05												
	-4.433e+05	297.98	1.56e-04	0.0	350.9	652.76	-4837.79	1.16	-296.11	703.32	-	
1.959e+05												
191	18 1.389e+05	6.737e+04	-0.04	-6828.50	0.0	1595.14	4379.81	360.75	1.506e+05	-5.931e+04	-	
3.538e+05												
	-3.538e+05	-5.931e+04	0.01	0.0	350.9	2092.64	-2448.69	360.75	1.506e+05	6.737e+04	-	
1.486e+04												
191	19 7.171e+04	6.044e+04	0.02	-6828.50	0.0	-4771.78	3085.01	-367.18	-1.524e+05	6.044e+04	-	
1.726e+05												
	-2.882e+05	-6.849e+04	-0.01	0.0	350.9	-4274.28	-3743.49	-367.18	-1.524e+05	-6.849e+04	-	
2.882e+05												
191	41 9.784e+04	1594.38	0.05	-6828.50	0.0	-1.191e+04	1644.85	-3.18	3.147e+04	1594.38	-	
2.843e+04												
	-5.926e+05	505.03	0.03	0.0	350.9	-1.141e+04	-5183.65	-3.18	3.147e+04	505.03	-	
5.926e+05												
191	44 3.151e+05	-462.26	-0.09	-6828.50	0.0	8730.77	5819.97	-3.24	-3.323e+04	-462.26	-	
5.548e+05												
	-5.548e+05	-1627.71	-0.03	0.0	350.9	9228.27	-1008.53	-3.24	-3.323e+04	-1627.71	-	
2.895e+05												
191	50 1.241e+05	4.787e+04	-0.04	-6828.50	0.0	681.48	4194.00	256.26	1.071e+05	-4.212e+04	-	
3.278e+05												
	-3.278e+05	-4.212e+04	9.32e-03	0.0	350.9	1178.98	-2634.50	256.26	1.071e+05	4.787e+04	-	
5.408e+04												
191	51 7.578e+04	4.325e+04	-0.02	-6828.50	0.0	-3858.13	3270.83	-262.69	-1.088e+05	4.325e+04	-	
1.986e+05												
	-2.489e+05	-4.899e+04	-9.01e-03	0.0	350.9	-3360.62	-3557.67	-262.69	-1.088e+05	-4.899e+04	-	
2.489e+05												
191	73 7.381e+04	1301.10	0.04	-6828.50	0.0	-8945.95	2244.01	-3.20	2.215e+04	1301.10	-	
5.526e+04												
	-4.660e+05	197.92	0.02	0.0	350.9	-8448.45	-4584.49	-3.20	2.215e+04	197.92	-	
4.660e+05												
191	76 2.291e+05	-168.98	-0.07	-6828.50	0.0	5769.30	5220.82	-3.23	-2.391e+04	-168.98	-	
4.711e+05												
	-4.711e+05	-1320.60	-0.02	0.0	350.9	6266.81	-1607.68	-3.23	-2.391e+04	-1320.60	-	

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1.630e+05												
191	78	1.713e+05	809.82	-0.05	-1.179e+04	0.0	-1139.31	6355.00	-4.38	-1292.10	809.82	-
4.284e+05												
		-4.284e+05	-727.43	1.70e-04	0.0	350.9	-280.05	-5438.74	-4.38	-1292.10	-727.43	-
2.676e+05												
191	80	1.332e+05	3404.74	-0.04	-9311.12	0.0	-1331.10	5048.41	-20.79	-1.017e+04	3404.74	-
3.464e+05												
		-3.464e+05	-3891.47	-2.05e-03	0.0	350.9	-652.71	-4262.71	-20.79	-1.017e+04	-3891.47	-
2.086e+05												
191	81	1.259e+05	958.26	-0.04	-9311.12	0.0	-1927.70	4883.09	-6.41	-1598.49	958.26	-
3.225e+05												
		-3.225e+05	-1291.91	3.34e-05	0.0	350.9	-1249.32	-4428.03	-6.41	-1598.49	-1291.91	-
2.426e+05												
191	82	1.428e+05	370.53	-0.05	-9311.12	0.0	-578.35	5218.20	-0.27	-607.87	370.53	-
3.703e+05												
		-3.703e+05	275.02	1.57e-04	0.0	350.9	100.03	-4092.92	-0.27	-607.87	275.02	-
1.728e+05												
191	84	1.098e+05	608.88	-0.03	-7821.55	0.0	-1507.19	4255.70	-3.42	-958.28	608.88	-
2.961e+05												
		-2.961e+05	-591.30	1.59e-04	0.0	350.9	-937.33	-3565.85	-3.42	-958.28	-591.30	-
1.750e+05												
191	85	9.450e+04	566.06	-0.03	-6828.50	0.0	-1588.32	3732.41	-3.21	-877.42	566.06	-
2.632e+05												
		-2.632e+05	-561.34	1.53e-04	0.0	350.9	-1090.82	-3096.09	-3.21	-877.42	-561.34	-
1.515e+05												
191	86	9.450e+04	566.06	-0.03	-6828.50	0.0	-1588.32	3732.41	-3.21	-877.42	566.06	-
2.632e+05												
		-2.632e+05	-561.34	1.53e-04	0.0	350.9	-1090.82	-3096.09	-3.21	-877.42	-561.34	-
1.515e+05												
192	3	2.413e+05	6113.54	-0.08	-1.676e+04	0.0	-1398.93	8913.96	-34.92	-1.778e+04	6113.54	-
5.877e+05												
		-5.877e+05	-6140.89	5.00e-04	0.0	350.9	-177.68	-7848.32	-34.92	-1.778e+04	-6140.89	-
4.007e+05												
192	7	1.846e+05	8890.05	-0.06	-1.298e+04	0.0	-1586.38	6947.47	-51.23	-2.919e+04	8890.05	-
4.660e+05												
		-4.660e+05	-9088.78	-3.06e-03	0.0	350.9	-640.45	-6035.90	-51.23	-2.919e+04	-9088.78	-
3.061e+05												
192	9	1.753e+05	7148.38	-0.05	-1.298e+04	0.0	-2888.71	6702.83	-40.74	-1.761e+04	7148.38	-
4.313e+05												
		-4.313e+05	-7147.12	-2.18e-04	0.0	350.9	-1942.78	-6280.54	-40.74	-1.761e+04	-7147.12	-
3.572e+05												
192	12	1.746e+05	2102.06	-0.06	-1.123e+04	0.0	329.02	6236.51	-8.67	-1.360e+04	2102.06	-
4.328e+05												
		-4.328e+05	-940.48	-1.21e-04	0.0	350.9	1147.49	-4997.48	-8.67	-1.360e+04	-940.48	-
2.154e+05												
192	18	1.538e+05	6.531e+04	-0.05	-6913.81	0.0	3469.32	4435.34	344.76	1.374e+05	-5.577e+04	-
3.289e+05												
		-3.289e+05	-5.577e+04	0.01	0.0	350.9	3973.04	-2478.48	344.76	1.374e+05	6.531e+04	-
1.156e+04												
192	19	5.782e+04	6.245e+04	0.02	-6913.81	0.0	-6424.84	3015.08	-383.25	-1.576e+05	6.245e+04	-
1.843e+05												
		-3.133e+05	-7.214e+04	-0.01	0.0	350.9	-5921.12	-3898.73	-383.25	-1.576e+05	-7.214e+04	-
3.133e+05												
192	41	1.014e+05	1.787e+04	0.05	-6913.81	0.0	-1.649e+04	1580.58	-108.34	2.160e+04	1.787e+04	-
3.855e+04												
		-6.200e+05	-2.014e+04	0.03	0.0	350.9	-1.599e+04	-5333.23	-108.34	2.160e+04	-2.014e+04	-
6.200e+05												
192	44	3.219e+05	1.331e+04	-0.09	-6913.81	0.0	1.354e+04	5869.84	69.84	-4.179e+04	-1.119e+04	-
5.517e+05												
		-5.517e+05	-1.119e+04	-0.03	0.0	350.9	1.404e+04	-1043.98	69.84	-4.179e+04	1.331e+04	-
2.951e+05												
192	50	1.345e+05	4.559e+04	-0.05	-6913.81	0.0	2049.12	4231.52	240.27	9.499e+04	-3.880e+04	-
3.082e+05												
		-3.082e+05	-3.880e+04	9.65e-03	0.0	350.9	2552.84	-2682.29	240.27	9.499e+04	4.559e+04	-
5.486e+04												
192	51	6.577e+04	4.548e+04	0.01	-6913.81	0.0	-5004.65	3218.90	-278.76	-1.152e+05	4.548e+04	-

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2.050e+05													
	-2.700e+05	-5.241e+04	-9.05e-03	0.0	350.9	-4500.93	-3694.91	-278.76	-1.152e+05	-5.241e+04	-		
2.700e+05													
192	73	7.620e+04	1.370e+04	0.03	-6913.81	0.0	-1.219e+04	2196.12	-82.78	1.248e+04	1.370e+04	-	
4.616e+04													
	-4.886e+05	-1.534e+04	0.02	0.0	350.9	-1.168e+04	-4717.69	-82.78	1.248e+04	-1.534e+04	-		
4.886e+05													
192	76	2.335e+05	8514.91	-0.07	-6913.81	0.0	9229.78	5254.30	44.28	-3.267e+04	-7017.35	-	
4.670e+05													
	-4.670e+05	-7017.35	-0.02	0.0	350.9	9733.50	-1659.51	44.28	-3.267e+04	8514.91	-		
1.638e+05													
192	78	1.715e+05	4534.86	-0.06	-1.195e+04	0.0	-1112.28	6363.37	-25.83	-1.267e+04	4534.86	-	
4.210e+05													
	-4.210e+05	-4530.69	4.00e-04	0.0	350.9	-241.47	-5588.99	-25.83	-1.267e+04	-4530.69	-		
2.852e+05													
192	80	1.337e+05	6385.87	-0.04	-9433.08	0.0	-1237.25	5052.37	-36.71	-2.028e+04	6385.87	-	
3.399e+05													
	-3.399e+05	-6495.95	-1.97e-03	0.0	350.9	-549.98	-4380.71	-36.71	-2.028e+04	-6495.95	-		
2.221e+05													
192	81	1.273e+05	5224.75	-0.04	-9433.08	0.0	-2105.47	4889.28	-29.71	-1.256e+04	5224.75	-	
3.168e+05													
	-3.168e+05	-5201.51	-1.41e-04	0.0	350.9	-1418.20	-4543.80	-29.71	-1.256e+04	-5201.51	-		
2.561e+05													
192	82	1.430e+05	2549.29	-0.05	-9433.08	0.0	-229.81	5209.49	-12.16	-1.113e+04	2549.29	-	
3.617e+05													
	-3.617e+05	-1718.89	1.66e-04	0.0	350.9	457.46	-4223.59	-12.16	-1.113e+04	-1718.89	-		
1.887e+05													
192	84	1.102e+05	3558.10	-0.03	-7921.52	0.0	-1413.92	4252.05	-20.47	-1.053e+04	3558.10	-	
2.894e+05													
	-2.894e+05	-3624.43	3.54e-04	0.0	350.9	-836.78	-3669.48	-20.47	-1.053e+04	-3624.43	-		
1.872e+05													
192	85	9.492e+04	3340.47	-0.03	-6913.81	0.0	-1477.76	3725.21	-19.25	-1.010e+04	3340.47	-	
2.566e+05													
	-2.566e+05	-3414.24	3.33e-04	0.0	350.9	-974.04	-3188.60	-19.25	-1.010e+04	-3414.24	-		
1.624e+05													
192	86	9.492e+04	3340.47	-0.03	-6913.81	0.0	-1477.76	3725.21	-19.25	-1.010e+04	3340.47	-	
2.566e+05													
	-2.566e+05	-3414.24	3.33e-04	0.0	350.9	-974.04	-3188.60	-19.25	-1.010e+04	-3414.24	-		
1.624e+05													
193	6	8.535e+04	4.478e+04	-0.02	-6478.58	0.0	-3380.83	4227.84	-271.68	6028.94	1.186e+04	-	
3.979e+05													
	-3.979e+05	-5967.71	6.53e-03	734.58	350.9	-2908.82	-2250.74	462.90	6028.94	4.478e+04	-		
5.099e+04													
193	7	1.223e+05	3949.19	-0.03	-7599.96	0.0	-3221.84	5226.17	153.51	7655.80	-7411.62	-	
5.083e+05													
	-5.083e+05	-1.767e+04	-4.69e-04	-367.29	350.9	-2668.13	-2373.78	-213.78	7655.80	-1.767e+04	-		
7782.93													
193	9	9467.97	2053.95	-0.03	-7599.96	0.0	-5815.28	3984.29	-17.21	3874.76	2053.95	-	
3.563e+05													
	-3.563e+05	-3987.17	2.57e-03	0.0	350.9	-5261.56	-3615.67	-17.21	3874.76	-3987.17	-		
2.916e+05													
193	11	2.756e+05	9236.41	-0.03	-7599.96	0.0	-2249.34	6260.70	38.90	2763.20	-4413.43	-	
6.292e+05													
	-6.292e+05	-4413.43	2.64e-03	0.0	350.9	-1695.63	-1339.25	38.90	2763.20	9236.41	-		
2.344e+05													
193	12	2.604e+05	9365.38	-0.03	-6478.58	0.0	-1583.52	5458.93	39.50	9760.80	-4497.08	-	
5.456e+05													
	-5.456e+05	-4497.08	2.29e-03	0.0	350.9	-1111.51	-1019.65	39.50	9760.80	9365.38	-		
2.333e+05													
193	18	5.288e+05	3.538e+04	-0.03	-4287.06	0.0	-1456.83	5259.07	194.50	-6.512e+04	-3.290e+04	-	
5.626e+05													
	-5.626e+05	-3.290e+04	0.01	0.0	350.9	-1144.49	972.01	194.50	-6.512e+04	3.538e+04	-		
5.288e+05													
193	38	2.297e+06	3.751e+04	-0.09	-4287.06	0.0	1.139e+04	1.290e+04	196.98	-4.046e+04	-3.170e+04	-	
1.476e+06													
	-1.476e+06	-3.170e+04	-0.01	0.0	350.9	1.170e+04	8609.27	196.98	-4.046e+04	3.751e+04	-		

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2.297e+06													
193	41	9.585e+05	1.547e+04	0.07	-4287.06	0.0	-1.881e+04	-7692.87	-98.71	7440.29	1.547e+04		
9.585e+05													
		-2.494e+06	-1.919e+04	0.03	0.0	350.9	-1.849e+04	-1.198e+04	-98.71	7440.29	-1.919e+04	-	
2.494e+06													
193	44	2.499e+06	2.413e+04	-0.10	-4287.06	0.0	1.383e+04	1.379e+04	119.89	-8224.82	-1.797e+04	-	
1.589e+06													
		-1.589e+06	-1.797e+04	-0.03	0.0	350.9	1.415e+04	9505.46	119.89	-8224.82	2.413e+04	-	
2.499e+06													
193	50	3.779e+05	2.594e+04	-0.02	-4287.06	0.0	-1749.49	4625.00	141.72	-4.632e+04	-2.382e+04	-	
4.916e+05													
		-4.916e+05	-2.382e+04	9.38e-03	0.0	350.9	-1437.15	337.94	141.72	-4.632e+04	2.594e+04	-	
3.779e+05													
193	70	1.639e+06	2.746e+04	-0.07	-4287.06	0.0	7414.73	1.007e+04	143.51	-2.889e+04	-2.296e+04	-	
1.143e+06													
		-1.143e+06	-2.296e+04	-7.97e-03	0.0	350.9	7727.07	5783.22	143.51	-2.889e+04	2.746e+04	-	
1.639e+06													
193	73	5.929e+05	1.068e+04	0.05	-4287.06	0.0	-1.413e+04	-4609.60	-67.37	5266.34	1.068e+04	-	
5.929e+05													
		-1.777e+06	-1.298e+04	0.02	0.0	350.9	-1.381e+04	-8896.66	-67.37	5266.34	-1.298e+04	-	
1.777e+06													
193	76	1.783e+06	1.792e+04	-0.08	-4287.06	0.0	9156.30	1.071e+04	88.55	-6050.87	-1.317e+04	-	
1.223e+06													
		-1.223e+06	-1.317e+04	-0.02	0.0	350.9	9468.64	6422.19	88.55	-6050.87	1.792e+04	-	
1.783e+06													
193	79	7.532e+04	2.971e+04	-0.02	-5565.03	0.0	-2993.69	3709.42	-181.79	-3755.81	7998.07	-	
3.581e+05													
		-3.581e+05	-3974.12	4.74e-03	489.72	350.9	-2588.24	-1855.61	307.93	-3755.81	2.971e+04	-	
3.282e+04													
193	80	8.905e+04	2628.62	-0.02	-5565.03	0.0	-2443.81	3840.46	102.07	1993.83	-4903.90	-	
3.760e+05													
		-3.760e+05	-1.184e+04	2.83e-04	-244.86	350.9	-2038.36	-1724.57	-142.79	1993.83	-1.184e+04	-	
4718.12													
193	81	1.107e+04	1406.47	-0.02	-5565.03	0.0	-4172.77	3012.54	-11.75	-526.87	1406.47	-	
2.746e+05													
		-2.746e+05	-2715.43	1.86e-03	0.0	350.9	-3767.32	-2552.49	-11.75	-526.87	-2715.43	-	
1.939e+05													
193	82	1.905e+05	6100.29	-0.02	-5565.03	0.0	-1795.48	4530.15	25.66	-1267.91	-2905.11	-	
4.566e+05													
		-4.566e+05	-2905.11	1.92e-03	0.0	350.9	-1390.03	-1034.88	25.66	-1267.91	6100.29	-	
1.567e+05													
193	83	6.637e+04	2566.55	-0.02	-4287.06	0.0	-2509.12	3058.82	10.90	-207.41	-1257.97	-	
3.161e+05													
		-3.161e+05	-1257.97	2.18e-03	0.0	350.9	-2196.78	-1228.24	10.90	-207.41	2566.55	-	
5137.06													
193	84	7.140e+04	2382.74	-0.02	-4798.25	0.0	-2573.04	3336.84	10.04	-537.71	-1138.96	-	
3.357e+05													
		-3.357e+05	-1138.96	2.24e-03	0.0	350.9	-2223.45	-1461.41	10.04	-537.71	2382.74	-	
6641.55													
193	85	6.501e+04	2469.04	-0.02	-4287.06	0.0	-2485.52	3049.83	10.59	-392.27	-1247.52	-	
3.153e+05													
		-3.153e+05	-1247.52	2.21e-03	0.0	350.9	-2173.18	-1237.24	10.59	-392.27	2469.04	-	
2787.15													
193	86	6.501e+04	2469.04	-0.02	-4287.06	0.0	-2485.52	3049.83	10.59	-392.27	-1247.52	-	
3.153e+05													
		-3.153e+05	-1247.52	2.21e-03	0.0	350.9	-2173.18	-1237.24	10.59	-392.27	2469.04	-	
2787.15													
196	6	2.110e+05	1.219e+04	-0.09	-8353.36	0.0	333.42	4056.10	61.81	8.039e+04	-2.014e+04	-	
3.035e+05													
		-3.666e+05	-2.014e+04	4.90e-03	0.0	523.0	333.42	-4297.25	61.81	8.039e+04	1.219e+04	-	
3.666e+05													
196	7	2.543e+05	5359.59	-0.10	-8941.73	0.0	2463.99	5123.24	14.68	8.754e+04	-2315.57	-	
5.131e+05													
		-5.131e+05	-2315.57	-7.67e-03	0.0	523.0	2463.99	-3818.49	14.68	8.754e+04	5359.59	-	
1.719e+05													
196	9	2.385e+05	2.217e+04	-0.10	-8941.73	0.0	1863.91	4785.44	502.98	9.850e+04	-4.568e+04	-	

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2.071e+05 196	85	1.644e+05	3904.42	-0.06	-6222.65	0.0	1202.76	3220.77	15.67	4.845e+04	-4290.52	-
2.710e+05		-2.710e+05	-4290.52	-1.79e-03	0.0	523.0	1202.76	-3001.88	15.67	4.845e+04	3904.42	-
2.138e+05 196	86	1.644e+05	3904.42	-0.06	-6222.65	0.0	1202.76	3220.77	15.67	4.845e+04	-4290.52	-
2.710e+05		-2.710e+05	-4290.52	-1.79e-03	0.0	523.0	1202.76	-3001.88	15.67	4.845e+04	3904.42	-
2.138e+05 197	6	1.746e+05	559.24	-0.04	-8113.78	0.0	-165.82	3726.60	-1.12	1.645e+04	559.24	-
2.592e+05		-4.270e+05	-10.90	2.90e-03	0.0	508.0	-165.82	-4387.18	-1.12	1.645e+04	-10.90	-
4.270e+05 197	7	1.973e+05	3245.52	-0.04	-8685.28	0.0	507.24	5043.86	12.47	1.504e+04	-3089.77	-
5.459e+05		-5.459e+05	-3089.77	-5.56e-03	0.0	508.0	507.24	-3641.42	12.47	1.504e+04	3245.52	-
1.897e+05 197	9	1.842e+05	2.026e+04	-0.04	-8685.28	0.0	898.73	4549.55	481.14	1.677e+04	-4.187e+04	-
4.199e+05		-4.199e+05	-4.187e+04	-0.01	-946.10	508.0	898.73	-4135.73	-464.96	1.677e+04	-3.776e+04	-
3.148e+05 197	11	1.838e+05	2.237e+04	-0.04	-8685.28	0.0	525.27	4532.87	-227.57	1.848e+04	1.782e+04	-
4.160e+05		-4.160e+05	-9944.71	3.62e-03	473.05	508.0	525.27	-4152.41	245.48	1.848e+04	2.237e+04	-
3.194e+05 197	15	1.175e+06	1.834e+04	-0.06	-6044.18	0.0	1329.90	8669.53	72.73	1.488e+04	-1.862e+04	-
1.694e+06		-1.694e+06	-1.862e+04	-0.05	0.0	508.0	1329.90	2625.34	72.73	1.488e+04	1.834e+04	-
1.175e+06 197	19	1.230e+06	1.731e+04	-0.06	-6044.18	0.0	1371.61	8886.03	60.33	3.548e+04	-1.526e+04	-
1.749e+06		-1.749e+06	-1.526e+04	-0.02	0.0	508.0	1371.61	2841.85	60.33	3.548e+04	1.731e+04	-
1.230e+06 197	38	2.904e+05	-207.90	-0.03	-6044.18	0.0	-2501.10	1054.23	-0.68	-2.321e+04	-207.90	-
2.440e+05		-7.557e+05	-6950.22	-0.03	0.0	508.0	-2501.10	-4989.95	-0.68	-2.321e+04	-6950.22	-
7.557e+05 197	39	3.289e+05	8788.57	-0.04	-6044.18	0.0	2907.45	5211.70	7.28	4.124e+04	-1304.59	-
8.123e+05		-8.123e+05	-1304.59	0.02	0.0	508.0	2907.45	-832.49	7.28	4.124e+04	8788.57	-
3.000e+05 197	47	7.723e+05	1.335e+04	-0.05	-6044.18	0.0	1007.59	7080.32	52.83	1.319e+04	-1.350e+04	-
1.289e+06		-1.289e+06	-1.350e+04	-0.03	0.0	508.0	1007.59	1036.14	52.83	1.319e+04	1.335e+04	-
7.723e+05 197	51	8.116e+05	1.261e+04	-0.05	-6044.18	0.0	1037.82	7234.69	43.95	2.788e+04	-1.110e+04	-
1.328e+06		-1.328e+06	-1.110e+04	-0.02	0.0	508.0	1037.82	1190.51	43.95	2.788e+04	1.261e+04	-
8.116e+05 197	70	2.061e+05	-374.53	-0.03	-6044.18	0.0	-1740.30	1650.89	0.51	-1.396e+04	-374.53	-
9.237e+04		-6.042e+05	-4705.36	-0.02	0.0	508.0	-1740.30	-4393.30	0.51	-1.396e+04	-4705.36	-
6.042e+05 197	71	2.341e+05	6543.71	-0.04	-6044.18	0.0	2146.65	4615.04	6.09	3.199e+04	-1137.97	-
6.607e+05		-6.607e+05	-1137.97	0.02	0.0	508.0	2146.65	-1429.14	6.09	3.199e+04	6543.71	-
1.485e+05 197	79	1.285e+05	234.75	-0.03	-6044.18	0.0	-78.03	2829.74	0.14	1.362e+04	165.20	-
2.066e+05		-3.043e+05	165.20	1.77e-03	0.0	508.0	-78.03	-3214.44	0.14	1.362e+04	234.75	-
3.043e+05 197	80	1.371e+05	2260.49	-0.03	-6044.18	0.0	351.17	3500.71	8.67	1.108e+04	-2142.90	-
3.775e+05		-3.775e+05	-2142.90	-3.77e-03	0.0	508.0	351.17	-2543.47	8.67	1.108e+04	2260.49	-
1.343e+05 197	81	1.282e+05	1.351e+04	-0.03	-6044.18	0.0	612.16	3171.17	321.11	1.224e+04	-2.800e+04	-

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2.934e+05													
	-2.934e+05	-2.800e+04	-6.76e-03	-630.73	508.0	612.16	-2873.01	-309.62	1.224e+04	-2.508e+04	-		
2.177e+05													
197	82	1.280e+05	1.501e+04	-0.03	-6044.18	0.0	363.19	3160.05	-151.36	1.338e+04	1.180e+04	-	
2.909e+05													
	-2.909e+05	-6622.93	2.38e-03	315.37	508.0	363.19	-2884.13	164.01	1.338e+04	1.501e+04	-		
2.208e+05													
197	83	1.278e+05	1017.40	-0.03	-6044.18	0.0	231.26	3144.86	3.66	9028.03	-840.05	-	
2.871e+05													
	-2.871e+05	-840.05	-8.99e-04	0.0	508.0	231.26	-2899.33	3.66	9028.03	1017.40	-		
2.248e+05													
197	84	1.279e+05	1034.10	-0.03	-6044.18	0.0	231.91	3140.77	3.72	1.034e+04	-853.70	-	
2.860e+05													
	-2.860e+05	-853.70	-8.18e-04	0.0	508.0	231.91	-2903.41	3.72	1.034e+04	1034.10	-		
2.257e+05													
197	85	1.278e+05	919.17	-0.03	-6044.18	0.0	203.17	3132.96	3.30	9014.93	-756.25	-	
2.842e+05													
	-2.842e+05	-756.25	-7.48e-04	0.0	508.0	203.17	-2911.22	3.30	9014.93	919.17	-		
2.279e+05													
197	86	1.278e+05	919.17	-0.03	-6044.18	0.0	203.17	3132.96	3.30	9014.93	-756.25	-	
2.842e+05													
	-2.842e+05	-756.25	-7.48e-04	0.0	508.0	203.17	-2911.22	3.30	9014.93	919.17	-		
2.279e+05													
198	5	1.941e+05	1403.04	-0.03	-8685.28	0.0	324.17	3824.87	-5.39	1794.21	1403.04	-	
2.338e+05													
	-4.968e+05	-1333.79	4.22e-03	0.0	508.0	324.17	-4860.41	-5.39	1794.21	-1333.79	-		
4.968e+05													
198	6	1.823e+05	1398.82	-0.03	-8113.78	0.0	276.26	3539.12	-5.39	1794.21	1398.82	-	
2.098e+05													
	-4.729e+05	-1338.01	4.22e-03	0.0	508.0	276.26	-4574.66	-5.39	1794.21	-1338.01	-		
4.729e+05													
198	7	1.941e+05	1403.04	-0.03	-8685.28	0.0	324.17	4860.41	5.39	-1794.21	-1333.79	-	
4.968e+05													
	-4.968e+05	-1333.79	-4.22e-03	0.0	508.0	324.17	-3824.87	5.39	-1794.21	1403.04	-		
2.338e+05													
198	9	1.864e+05	2.034e+04	-0.03	-8685.28	0.0	1158.42	4342.64	473.05	0.0	-3.973e+04	-	
3.651e+05													
	-3.651e+05	-3.973e+04	-8.58e-03	-946.10	508.0	1158.42	-4342.64	-473.05	0.0	-3.973e+04	-		
3.651e+05													
198	10	1.740e+05	2.034e+04	-0.03	-8113.78	0.0	1110.51	4056.89	473.05	0.0	-3.974e+04	-	
3.412e+05													
	-3.412e+05	-3.974e+04	-8.57e-03	-946.10	508.0	1110.51	-4056.89	-473.05	0.0	-3.974e+04	-		
3.412e+05													
198	13	1.235e+06	1.515e+04	-0.07	-6044.18	0.0	1089.39	-2842.09	-60.26	-2.916e+04	1.515e+04	-	
1.235e+06													
	-1.744e+06	-1.523e+04	0.02	0.0	508.0	1089.39	-8886.27	-60.26	-2.916e+04	-1.523e+04	-		
1.744e+06													
198	14	1.180e+06	1.685e+04	-0.07	-6044.18	0.0	-516.40	-2626.64	-65.52	-7889.62	1.685e+04	-	
1.180e+06													
	-1.689e+06	-1.667e+04	0.04	0.0	508.0	-516.40	-8670.83	-65.52	-7889.62	-1.667e+04	-		
1.689e+06													
198	15	1.181e+06	1.671e+04	-0.06	-6044.18	0.0	1089.39	8670.83	65.52	7889.62	-1.680e+04	-	
1.689e+06													
	-1.689e+06	-1.680e+04	-0.04	0.0	508.0	1089.39	2626.64	65.52	7889.62	1.671e+04	-		
1.181e+06													
198	16	1.235e+06	1.528e+04	-0.06	-6044.18	0.0	-516.40	8886.27	60.26	2.916e+04	-1.510e+04	-	
1.744e+06													
	-1.744e+06	-1.510e+04	-0.02	0.0	508.0	-516.40	2842.09	60.26	2.916e+04	1.528e+04	-		
1.235e+06													
198	30	2.062e+05	7652.19	-0.03	-6044.18	0.0	-2389.83	1654.22	-27.63	2.989e+04	7652.19	-	
9.202e+04													
	-6.028e+05	-7158.62	0.05	0.0	508.0	-2389.83	-4389.96	-27.63	2.989e+04	-7158.62	-		
6.028e+05													
198	31	2.081e+05	7206.00	-0.03	-6044.18	0.0	2962.81	4389.96	27.63	-2.989e+04	-7604.81	-	
6.009e+05													
	-6.009e+05	-7604.81	-0.05	0.0	508.0	2962.81	-1654.22	27.63	-2.989e+04	7206.00	-		

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9.395e+04 198	45	8.077e+05	1.080e+04	-0.05	-6044.18	0.0	864.32	-1158.85	-42.95	-2.078e+04	1.080e+04	
8.077e+05		-1.316e+06	-1.085e+04	0.01	0.0	508.0	864.32	-7203.04	-42.95	-2.078e+04	-1.085e+04	-
1.316e+06 198	46	7.683e+05	1.202e+04	-0.05	-6044.18	0.0	-291.34	-1005.24	-46.72	-5619.63	1.202e+04	
7.683e+05		-1.278e+06	-1.188e+04	0.03	0.0	508.0	-291.34	-7049.42	-46.72	-5619.63	-1.188e+04	-
1.278e+06 198	47	7.687e+05	1.193e+04	-0.05	-6044.18	0.0	864.32	7049.42	46.72	5619.63	-1.197e+04	-
1.277e+06		-1.277e+06	-1.197e+04	-0.03	0.0	508.0	864.32	1005.24	46.72	5619.63	1.193e+04	
7.687e+05 198	48	8.073e+05	1.090e+04	-0.05	-6044.18	0.0	-291.34	7203.04	42.95	2.078e+04	-1.076e+04	-
1.317e+06		-1.317e+06	-1.076e+04	-0.01	0.0	508.0	-291.34	1158.85	42.95	2.078e+04	1.090e+04	
8.073e+05 198	62	1.676e+05	5468.43	-0.02	-6044.18	0.0	-1639.61	2046.87	-19.73	2.131e+04	5468.43	-
7429.24		-5.028e+05	-5103.54	0.03	0.0	508.0	-1639.61	-3997.31	-19.73	2.131e+04	-5103.54	-
5.028e+05 198	63	1.690e+05	5150.92	-0.02	-6044.18	0.0	2212.60	3997.31	19.73	-2.131e+04	-5421.05	-
5.014e+05		-5.014e+05	-5421.05	-0.03	0.0	508.0	2212.60	-2046.87	19.73	-2.131e+04	5150.92	-
6050.61 198	79	1.346e+05	937.23	-0.02	-6044.18	0.0	237.41	2676.91	-3.59	1196.14	937.23	-
1.665e+05		-3.418e+05	-887.32	2.81e-03	0.0	508.0	237.41	-3367.27	-3.59	1196.14	-887.32	-
3.418e+05 198	81	1.298e+05	1.356e+04	-0.02	-6044.18	0.0	793.57	3022.09	315.37	0.0	-2.649e+04	-
2.541e+05		-2.541e+05	-2.649e+04	-5.72e-03	-630.73	508.0	793.57	-3022.09	-315.37	0.0	-2.649e+04	-
2.541e+05 198	83	1.295e+05	31.70	-0.02	-6044.18	0.0	320.49	3022.09	0.0	0.0	31.70	-
2.543e+05		-2.543e+05	31.70	-2.70e-05	0.0	508.0	320.49	-3022.09	0.0	0.0	31.70	-
2.543e+05 198	85	1.294e+05	23.69	-0.02	-6044.18	0.0	286.49	3022.09	0.0	0.0	23.69	-
2.544e+05		-2.544e+05	23.69	-2.02e-05	0.0	508.0	286.49	-3022.09	0.0	0.0	23.69	-
2.544e+05 198	86	1.294e+05	23.69	-0.02	-6044.18	0.0	286.49	3022.09	0.0	0.0	23.69	-
2.544e+05		-2.544e+05	23.69	-2.02e-05	0.0	508.0	286.49	-3022.09	0.0	0.0	23.69	-
2.544e+05 199	5	1.973e+05	3245.52	0.02	-8685.28	0.0	507.24	3641.42	-12.47	-1.504e+04	3245.52	-
1.897e+05		-5.459e+05	-3089.77	5.56e-03	0.0	508.0	507.24	-5043.86	-12.47	-1.504e+04	-3089.77	-
5.459e+05 199	8	1.746e+05	559.24	0.02	-8113.78	0.0	-165.82	4387.18	1.12	-1.645e+04	-10.90	-
4.270e+05		-4.270e+05	-10.90	-2.90e-03	0.0	508.0	-165.82	-3726.60	1.12	-1.645e+04	559.24	-
2.592e+05 199	9	1.842e+05	2.026e+04	0.03	-8685.28	0.0	898.73	4135.73	464.96	-1.677e+04	-3.776e+04	-
3.148e+05		-4.199e+05	-4.187e+04	-6.94e-03	-946.10	508.0	898.73	-4549.55	-481.14	-1.677e+04	-4.187e+04	-
4.199e+05 199	11	1.838e+05	2.237e+04	0.02	-8685.28	0.0	525.27	4152.41	-245.48	-1.848e+04	2.237e+04	-
3.194e+05		-4.160e+05	-9944.71	4.59e-03	473.05	508.0	525.27	-4532.87	227.57	-1.848e+04	1.782e+04	-
4.160e+05 199	13	1.230e+06	1.731e+04	-0.07	-6044.18	0.0	1371.61	-2841.85	-60.33	-3.548e+04	1.731e+04	-
1.230e+06		-1.749e+06	-1.526e+04	0.02	0.0	508.0	1371.61	-8886.03	-60.33	-3.548e+04	-1.526e+04	-
1.749e+06 199	17	1.175e+06	1.834e+04	-0.07	-6044.18	0.0	1329.90	-2625.34	-72.73	-1.488e+04	1.834e+04	-

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3.035e+05 200	9	2.385e+05	2.217e+04	0.10	-8941.73	0.0	1863.91	4156.29	471.06	-9.850e+04	-3.733e+04	-
2.649e+05		-4.294e+05	-4.568e+04	-8.02e-03	-974.04	523.0	1863.91	-4785.44	-502.98	-9.850e+04	-4.568e+04	-
4.294e+05 200	11	2.348e+05	3.313e+04	0.08	-8941.73	0.0	2040.97	4233.06	-292.82	-8.656e+04	3.313e+04	-
2.876e+05		-4.120e+05	-1.284e+04	9.60e-03	487.02	523.0	2040.97	-4708.67	194.20	-8.656e+04	7342.26	-
4.120e+05 200	13	1.077e+06	4953.25	-0.08	-6222.65	0.0	2715.37	-1784.92	-16.14	-8.992e+04	4953.25	-
1.077e+06		-1.484e+06	-3535.70	0.01	0.0	523.0	2715.37	-8007.57	-16.14	-8.992e+04	-3535.70	-
1.484e+06 200	16	9.422e+05	2855.58	0.10	-6222.65	0.0	-309.85	7788.68	-15.20	-6978.59	2855.58	-
1.504e+06		-1.504e+06	-5045.33	-0.01	0.0	523.0	-309.85	1566.03	-15.20	-6978.59	-5045.33	-
9.422e+05 200	30	1.993e+05	3.439e+04	-0.04	-6222.65	0.0	4166.32	2144.40	-138.04	5802.43	3.439e+04	-
7498.67		-4.980e+05	-3.783e+04	0.07	0.0	523.0	4166.32	-4078.25	-138.04	5802.43	-3.783e+04	-
4.980e+05 200	31	1.907e+05	2.925e+04	0.13	-6222.65	0.0	-1760.80	3859.36	106.70	-1.027e+05	-2.658e+04	-
4.350e+05		-4.350e+05	-2.658e+04	-0.07	0.0	523.0	-1760.80	-2363.29	106.70	-1.027e+05	2.925e+04	-
4.401e+04 200	34	1.870e+05	3.454e+04	-0.04	-6222.65	0.0	4055.73	2299.51	-139.63	3.293e+04	3.454e+04	-
3.524e+04		-4.596e+05	-3.850e+04	0.08	0.0	523.0	4055.73	-3923.14	-139.63	3.293e+04	-3.850e+04	-
4.596e+05 200	45	7.062e+05	4642.30	-0.06	-6222.65	0.0	2276.39	-410.92	-15.96	-7.802e+04	4642.30	-
7.062e+05		-1.136e+06	-3742.22	0.01	0.0	523.0	2276.39	-6633.57	-15.96	-7.802e+04	-3742.22	-
1.136e+06 200	62	1.841e+05	2.567e+04	-0.03	-6222.65	0.0	3320.23	2390.55	-103.04	-9767.56	2.567e+04	-
5.602e+04		-4.328e+05	-2.824e+04	0.05	0.0	523.0	3320.23	-3832.11	-103.04	-9767.56	-2.824e+04	-
4.328e+05 200	63	1.765e+05	1.965e+04	0.11	-6222.65	0.0	-914.71	3613.22	71.71	-8.713e+04	-1.786e+04	-
3.715e+05		-3.715e+05	-1.786e+04	-0.05	0.0	523.0	-914.71	-2609.44	71.71	-8.713e+04	1.965e+04	-
1.092e+05 200	66	1.753e+05	2.578e+04	-0.03	-6222.65	0.0	3241.71	2501.14	-104.18	9572.16	2.578e+04	-
8.649e+04		-4.055e+05	-2.872e+04	0.06	0.0	523.0	3241.71	-3721.51	-104.18	9572.16	-2.872e+04	-
4.055e+05 200	79	1.772e+05	3977.58	0.06	-6222.65	0.0	1709.69	2655.11	-11.39	-6.389e+04	3977.58	-
1.189e+05		-3.575e+05	-1978.40	5.19e-03	0.0	523.0	1709.69	-3567.54	-11.39	-6.389e+04	-1978.40	-
3.575e+05 200	80	1.589e+05	9139.71	0.07	-6222.65	0.0	389.85	3138.46	-45.22	-6.742e+04	9139.71	-
2.550e+05		-2.550e+05	-1.451e+04	3.10e-03	0.0	523.0	389.85	-3084.19	-45.22	-6.742e+04	-1.451e+04	-
2.408e+05 200	81	1.667e+05	1.477e+04	0.07	-6222.65	0.0	1309.63	2880.31	312.43	-7.120e+04	-2.448e+04	-
1.809e+05		-3.017e+05	-3.089e+04	-5.29e-03	-649.36	523.0	1309.63	-3342.34	-336.92	-7.120e+04	-3.089e+04	-
3.017e+05 200	82	1.638e+05	2.249e+04	0.06	-6222.65	0.0	1427.67	2931.49	-196.82	-6.324e+04	2.249e+04	-
1.960e+05		-2.900e+05	-8677.36	6.54e-03	324.68	523.0	1427.67	-3291.16	127.86	-6.324e+04	4460.16	-
2.900e+05 200	83	1.647e+05	4243.52	0.06	-6222.65	0.0	1225.05	2972.16	-17.02	-4.871e+04	4243.52	-
2.058e+05		-2.785e+05	-4657.20	2.36e-03	0.0	523.0	1225.05	-3250.49	-17.02	-4.871e+04	-4657.20	-
2.785e+05 200	84	1.645e+05	4406.54	0.05	-6222.65	0.0	1224.23	2976.50	-17.60	-5.524e+04	4406.54	-

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2.071e+05													
	-2.776e+05	-4799.06	2.18e-03	0.0	523.0	1224.23	-3246.16	-17.60	-5.524e+04	-4799.06	-		
2.776e+05													
200	85	1.644e+05	3904.42	0.05	-6222.65	0.0	1202.76	3001.88	-15.67	-4.845e+04	3904.42	-	
2.138e+05													
	-2.710e+05	-4290.52	1.94e-03	0.0	523.0	1202.76	-3220.77	-15.67	-4.845e+04	-4290.52	-		
2.710e+05													
200	86	1.644e+05	3904.42	0.05	-6222.65	0.0	1202.76	3001.88	-15.67	-4.845e+04	3904.42	-	
2.138e+05													
	-2.710e+05	-4290.52	1.94e-03	0.0	523.0	1202.76	-3220.77	-15.67	-4.845e+04	-4290.52	-		
2.710e+05													
201	5	8.327e+04	6976.00	-0.06	-2549.63	0.0	1383.41	1112.52	-26.97	-2.150e+05	6976.00	-	
4.367e+04													
	-1.286e+05	-7127.50	-3.94e-03	0.0	523.0	1383.41	-1437.11	-26.97	-2.150e+05	-7127.50	-		
1.286e+05													
201	7	8.115e+04	8791.45	-0.05	-2549.63	0.0	1130.40	1544.86	-30.00	-2.241e+05	8791.45	-	
1.634e+05													
	-1.634e+05	-6896.94	-0.01	0.0	523.0	1130.40	-1004.76	-30.00	-2.241e+05	-6896.94	-		
2.215e+04													
201	8	6.640e+04	7379.58	-0.04	-1961.25	0.0	868.72	1253.36	-25.02	-1.893e+05	7379.58	-	
1.430e+05													
	-1.430e+05	-5708.24	-0.01	0.0	523.0	868.72	-707.89	-25.02	-1.893e+05	-5708.24	-		
311.79													
201	9	7.780e+04	2.293e+04	-0.06	-2549.63	0.0	1179.12	1357.14	441.53	-1.772e+05	-3.060e+04	-	
1.105e+05													
	-1.105e+05	-4.782e+04	-0.02	-948.93	523.0	1179.12	-1192.48	-507.40	-1.772e+05	-4.782e+04	-		
6.744e+04													
201	11	7.798e+04	2.873e+04	-0.04	-2549.63	0.0	1307.62	1281.26	-268.20	-2.581e+05	2.873e+04	-	
9.039e+04													
	-9.039e+04	-1.091e+04	-8.43e-03	474.47	523.0	1307.62	-1268.36	206.27	-2.581e+05	1.254e+04	-		
8.701e+04													
201	14	7.131e+05	2.635e+04	-0.09	-1961.25	0.0	4552.53	-1775.64	-88.73	-1.763e+05	2.635e+04	-	
7.131e+05													
	-7.285e+05	-2.007e+04	0.04	0.0	523.0	4552.53	-3736.89	-88.73	-1.763e+05	-2.007e+04	-		
7.285e+05													
201	15	5.982e+05	1.053e+04	0.04	-1961.25	0.0	-2576.05	3763.78	48.67	-1.048e+05	-1.494e+04	-	
8.576e+05													
	-8.576e+05	-1.494e+04	-0.05	0.0	523.0	-2576.05	1802.53	48.67	-1.048e+05	1.053e+04	-		
5.982e+05													
201	18	7.485e+05	2.226e+04	-0.08	-1961.25	0.0	4468.41	-1906.90	-74.51	-2.018e+05	2.226e+04	-	
7.485e+05													
	-7.617e+05	-1.674e+04	0.01	0.0	523.0	4468.41	-3868.15	-74.51	-2.018e+05	-1.674e+04	-		
7.617e+05													
201	19	6.313e+05	7191.17	0.04	-1961.25	0.0	-2491.92	3895.05	34.45	-7.926e+04	-1.085e+04	-	
8.929e+05													
	-8.929e+05	-1.085e+04	-0.02	0.0	523.0	-2491.92	1933.80	34.45	-7.926e+04	7191.17	-		
6.313e+05													
201	34	1.862e+05	3.394e+04	-0.02	-1961.25	0.0	2741.13	84.07	-120.66	-3.588e+05	3.394e+04	-	
1.854e+05													
	-2.839e+05	-2.918e+04	0.06	0.0	523.0	2741.13	-1877.18	-120.66	-3.588e+05	-2.918e+04	-		
2.839e+05													
201	46	4.877e+05	2.043e+04	-0.07	-1961.25	0.0	3530.24	-980.65	-69.02	-1.660e+05	2.043e+04	-	
4.877e+05													
	-5.381e+05	-1.568e+04	0.02	0.0	523.0	3530.24	-2941.90	-69.02	-1.660e+05	-1.568e+04	-		
5.381e+05													
201	47	4.078e+05	6136.81	0.02	-1961.25	0.0	-1553.76	2968.79	28.96	-1.151e+05	-9019.96	-	
6.321e+05													
	-6.321e+05	-9019.96	-0.04	0.0	523.0	-1553.76	1007.54	28.96	-1.151e+05	6136.81	-		
4.078e+05													
201	50	5.129e+05	1.751e+04	-0.07	-1961.25	0.0	3470.83	-1074.21	-58.89	-1.843e+05	1.751e+04	-	
5.129e+05													
	-5.618e+05	-1.331e+04	8.42e-03	0.0	523.0	3470.83	-3035.46	-58.89	-1.843e+05	-1.331e+04	-		
5.618e+05													
201	51	4.314e+05	3760.43	0.03	-1961.25	0.0	-1494.35	3062.36	18.83	-9.685e+04	-6104.86	-	
6.573e+05													
	-6.573e+05	-6104.86	-0.02	0.0	523.0	-1494.35	1101.11	18.83	-9.685e+04	3760.43	-		

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4.314e+05	201	66	1.272e+05	2.584e+04	-0.02	-1961.25	0.0	2240.49	345.19	-91.81	-2.962e+05	2.584e+04	
1.115e+05			-2.211e+05	-2.218e+04	0.04	0.0	523.0	2240.49	-1616.06	-91.81	-2.962e+05	-2.218e+04	-
2.211e+05	201	79	6.299e+04	5278.17	-0.04	-1961.25	0.0	1038.57	871.23	-20.19	-1.588e+05	5278.17	-
3.820e+04			-9.541e+04	-5279.97	-3.22e-03	0.0	523.0	1038.57	-1090.02	-20.19	-1.588e+05	-5279.97	-
9.541e+04	201	80	6.082e+04	6488.47	-0.04	-1961.25	0.0	869.90	1159.47	-22.21	-1.649e+05	6488.47	-
1.180e+05			-1.180e+05	-5126.27	-9.08e-03	0.0	523.0	869.90	-801.78	-22.21	-1.649e+05	-5126.27	-
2.447e+04	201	81	5.951e+04	1.541e+04	-0.05	-1961.25	0.0	902.38	1034.32	292.14	-1.336e+05	-1.977e+04	-
8.275e+04			-8.275e+04	-3.241e+04	-0.01	-632.62	523.0	902.38	-926.93	-340.48	-1.336e+05	-3.241e+04	-
5.467e+04	201	82	5.969e+04	1.978e+04	-0.03	-1961.25	0.0	988.05	983.73	-181.01	-1.876e+05	1.978e+04	-
6.934e+04			-6.934e+04	-7295.02	-6.21e-03	316.31	523.0	988.05	-977.52	135.30	-1.876e+05	7831.80	-
6.772e+04	201	83	5.956e+04	5675.59	-0.04	-1961.25	0.0	977.98	998.95	-19.92	-1.418e+05	5675.59	-
7.345e+04			-7.345e+04	-4742.10	-5.57e-03	0.0	523.0	977.98	-962.30	-19.92	-1.418e+05	-4742.10	-
6.387e+04	201	84	5.952e+04	5994.30	-0.04	-1961.25	0.0	997.90	999.41	-21.09	-1.486e+05	5994.30	-
7.361e+04			-7.361e+04	-5033.25	-5.67e-03	0.0	523.0	997.90	-961.84	-21.09	-1.486e+05	-5033.25	-
6.378e+04	201	86	5.951e+04	5702.62	-0.03	-1961.25	0.0	988.24	994.07	-20.03	-1.406e+05	5702.62	-
7.222e+04			-7.222e+04	-4774.10	-5.38e-03	0.0	523.0	988.24	-967.18	-20.03	-1.406e+05	-4774.10	-
6.519e+04	202	3	5.818e+04	782.75	-0.02	-2476.50	0.0	915.63	1294.93	-2.80	-4.428e+04	782.75	-
1.135e+05			-1.135e+05	-639.72	-2.93e-03	0.0	508.0	915.63	-1181.57	-2.80	-4.428e+04	-639.72	-
8.468e+04	202	7	6.423e+04	346.92	-0.02	-2476.50	0.0	766.85	1510.60	1.29	-3.985e+04	-306.54	-
1.697e+05			-1.697e+05	-306.54	-6.60e-03	0.0	508.0	766.85	-965.90	1.29	-3.985e+04	346.92	-
3.132e+04	202	10	4.700e+04	1.951e+04	-0.02	-1905.00	0.0	206.61	988.89	463.58	-2.557e+04	-3.971e+04	-
8.321e+04			-8.321e+04	-3.971e+04	-9.94e-03	-921.72	508.0	206.61	-916.11	-458.14	-2.557e+04	-3.833e+04	-
6.473e+04	202	11	5.577e+04	2.081e+04	-0.02	-2476.50	0.0	875.04	1286.85	-235.08	-4.493e+04	2.081e+04	-
1.138e+05			-1.138e+05	-9639.22	2.82e-03	460.86	508.0	875.04	-1189.65	225.78	-4.493e+04	1.844e+04	-
8.914e+04	202	16	5.913e+05	4676.49	0.03	-1905.00	0.0	360.23	3623.68	19.14	-4.430e+04	-5045.13	-
7.659e+05			-7.659e+05	-5045.13	-0.02	0.0	508.0	360.23	1718.68	19.14	-4.430e+04	4676.49	-
5.913e+05	202	19	6.011e+05	9147.56	-0.03	-1905.00	0.0	-707.27	3639.65	36.37	-1.661e+04	-6093.40	-
7.643e+05			-7.643e+05	-6093.40	-0.02	0.0	508.0	-707.27	1734.65	36.37	-1.661e+04	9147.56	-
6.011e+05	202	22	4.362e+05	1.824e+04	-0.03	-1905.00	0.0	1748.28	-1054.86	-71.89	-7375.67	1.824e+04	-
4.362e+05			-5.833e+05	-1.829e+04	0.09	0.0	508.0	1748.28	-2959.86	-71.89	-7375.67	-1.829e+04	-
5.833e+05	202	38	1.906e+05	-2449.14	0.02	-1905.00	0.0	2625.56	-133.95	-32.25	-8.164e+04	-2449.14	-
1.906e+05			-3.623e+05	-8045.27	-0.03	0.0	508.0	2625.56	-2038.95	-32.25	-8.164e+04	-8045.27	-
3.623e+05	202	39	2.258e+05	7215.40	-0.05	-1905.00	0.0	-1437.72	2112.91	28.63	3.281e+04	3456.94	-

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3.647e+05											
2.258e+05	-3.647e+05	3456.94	0.02	0.0	508.0	-1437.72	207.91	28.63	3.281e+04	7215.40	
202	48	4.020e+05	3213.61	0.02	-1905.00	0.0	430.80	2867.60	13.12	-3.859e+04	-3451.57 -
5.711e+05											
		-5.711e+05	-3451.57	-0.02	0.0	508.0	430.80	962.60	13.12	-3.859e+04	3213.61
4.020e+05											
202	51	4.090e+05	6404.42	-0.02	-1905.00	0.0	-337.42	2878.96	25.42	-1.885e+04	-4199.38 -
5.699e+05											
		-5.699e+05	-4199.38	-0.02	0.0	508.0	-337.42	973.96	25.42	-1.885e+04	6404.42
4.090e+05											
202	54	2.860e+05	1.315e+04	-0.02	-1905.00	0.0	1420.41	-468.03	-51.78	-1.227e+04	1.315e+04
2.860e+05											
		-4.355e+05	-1.316e+04	0.06	0.0	508.0	1420.41	-2373.03	-51.78	-1.227e+04	-1.316e+04 -
4.355e+05											
202	70	1.152e+05	-1603.19	0.01	-1905.00	0.0	2054.53	188.49	-23.52	-6.522e+04	-1603.19
1.109e+05											
		-2.779e+05	-5860.08	-0.02	0.0	508.0	2054.53	-1716.51	-23.52	-6.522e+04	-5860.08 -
2.779e+05											
202	71	1.431e+05	5030.22	-0.04	-1905.00	0.0	-866.68	1790.47	19.91	1.639e+04	2610.99 -
2.850e+05											
		-2.850e+05	2610.99	0.02	0.0	508.0	-866.68	-114.53	19.91	1.639e+04	5030.22
1.414e+05											
202	78	4.444e+04	585.16	-0.02	-1905.00	0.0	675.97	995.12	-2.09	-3.224e+04	585.16 -
8.735e+04											
		-8.735e+04	-477.41	-2.12e-03	0.0	508.0	675.97	-909.88	-2.09	-3.224e+04	-477.41 -
6.570e+04											
202	80	4.777e+04	180.36	-0.01	-1905.00	0.0	576.78	1138.90	0.63	-2.929e+04	-141.03 -
1.248e+05											
		-1.248e+05	-141.03	-4.57e-03	0.0	508.0	576.78	-766.10	0.63	-2.929e+04	180.36 -
3.012e+04											
202	81	4.547e+04	1.302e+04	-0.02	-1905.00	0.0	301.60	988.85	308.49	-2.385e+04	-2.631e+04 -
8.473e+04											
		-8.473e+04	-2.631e+04	-6.87e-03	-614.48	508.0	301.60	-916.15	-305.99	-2.385e+04	-2.568e+04 -
6.627e+04											
202	82	4.283e+04	1.393e+04	-0.01	-1905.00	0.0	648.91	989.73	-156.95	-3.268e+04	1.393e+04 -
8.759e+04											
		-8.759e+04	-6419.94	1.79e-03	307.24	508.0	648.91	-915.27	150.29	-3.268e+04	1.224e+04 -
6.867e+04											
202	83	4.351e+04	486.48	-0.01	-1905.00	0.0	575.46	989.76	-1.72	-2.478e+04	486.48 -
8.692e+04											
		-8.692e+04	-389.44	-1.64e-03	0.0	508.0	575.46	-915.24	-1.72	-2.478e+04	-389.44 -
6.799e+04											
202	84	4.350e+04	523.64	-0.01	-1905.00	0.0	614.02	990.55	-1.88	-2.591e+04	523.64 -
8.713e+04											
		-8.713e+04	-432.53	-1.64e-03	0.0	508.0	614.02	-914.45	-1.88	-2.591e+04	-432.53 -
6.780e+04											
202	86	4.332e+04	503.90	-0.01	-1905.00	0.0	593.92	989.48	-1.81	-2.441e+04	503.90 -
8.704e+04											
		-8.704e+04	-414.93	-1.54e-03	0.0	508.0	593.92	-915.52	-1.81	-2.441e+04	-414.93 -
6.826e+04											
203	3	5.788e+04	185.93	-9.58e-03	-2476.50	0.0	863.73	1238.25	0.0	0.0	185.93 -
9.937e+04											
		-9.937e+04	185.93	-1.58e-04	0.0	508.0	863.73	-1238.25	0.0	0.0	185.93 -
9.937e+04											
203	5	6.207e+04	1046.68	-0.01	-2476.50	0.0	746.77	1013.65	-3.52	852.93	1046.68 -
4.282e+04											
		-1.569e+05	-743.75	4.14e-03	0.0	508.0	746.77	-1462.85	-3.52	852.93	-743.75 -
1.569e+05											
203	7	6.207e+04	1046.68	-9.45e-03	-2476.50	0.0	746.77	1462.85	3.52	-852.93	-743.75 -
1.569e+05											
		-1.569e+05	-743.75	-4.14e-03	0.0	508.0	746.77	-1013.65	3.52	-852.93	1046.68 -
4.282e+04											
203	9	5.891e+04	1.988e+04	-9.89e-03	-2476.50	0.0	169.12	1238.25	460.86	0.0	-3.864e+04 -
9.835e+04											
		-9.835e+04	-3.864e+04	-8.43e-03	-921.72	508.0	169.12	-1238.25	-460.86	0.0	-3.864e+04 -

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9.835e+04 203	10	4.599e+04	1.986e+04	-7.82e-03	-1905.00	0.0	18.26	952.50	460.86	0.0	-3.867e+04	-
7.497e+04		-7.497e+04	-3.867e+04	-8.41e-03	-921.72	508.0	18.26	-952.50	-460.86	0.0	-3.867e+04	-
7.497e+04 203	13	6.150e+05	6636.38	-0.03	-1905.00	0.0	-101.22	-1766.49	-25.42	-1.017e+04	6636.38	-
6.150e+05		-7.664e+05	-6267.54	0.02	0.0	508.0	-101.22	-3671.49	-25.42	-1.017e+04	-6267.54	-
7.664e+05 203	16	6.115e+05	6463.33	-0.03	-1905.00	0.0	1261.44	3671.49	25.42	1.017e+04	-6440.60	-
7.698e+05		-7.698e+05	-6440.60	-0.02	0.0	508.0	1261.44	1766.49	25.42	1.017e+04	6463.33	-
6.115e+05 203	22	4.540e+05	1.825e+04	-0.03	-1905.00	0.0	1261.44	-1146.70	-71.78	2.255e+04	1.825e+04	-
4.540e+05		-6.123e+05	-1.823e+04	0.09	0.0	508.0	1261.44	-3051.70	-71.78	2.255e+04	-1.823e+04	-
6.123e+05 203	23	4.574e+05	1.842e+04	0.02	-1905.00	0.0	-101.22	3051.70	71.78	-2.255e+04	-1.805e+04	-
6.089e+05		-6.089e+05	-1.805e+04	-0.09	0.0	508.0	-101.22	1146.70	71.78	-2.255e+04	1.842e+04	-
4.574e+05 203	30	6.395e+04	9858.20	-9.25e-03	-1905.00	0.0	2851.21	508.04	-39.49	9534.91	9858.20	-
2.958e+04		-1.958e+05	-1.024e+04	0.05	0.0	508.0	2851.21	-1396.96	-39.49	9534.91	-1.024e+04	-
1.958e+05 203	31	7.535e+04	1.044e+04	-7.39e-03	-1905.00	0.0	-1690.99	1396.96	39.49	-9534.91	-9662.41	-
1.844e+05		-1.844e+05	-9662.41	-0.05	0.0	508.0	-1690.99	-508.04	39.49	-9534.91	1.044e+04	-
4.098e+04 203	45	4.162e+05	4759.73	-0.02	-1905.00	0.0	89.81	-986.05	-18.13	-7249.65	4759.73	-
4.162e+05		-5.686e+05	-4440.32	0.01	0.0	508.0	89.81	-2891.05	-18.13	-7249.65	-4440.32	-
5.686e+05 203	48	4.138e+05	4636.11	-0.02	-1905.00	0.0	1070.41	2891.05	18.13	7249.65	-4563.94	-
5.711e+05		-5.711e+05	-4563.94	-0.01	0.0	508.0	1070.41	986.05	18.13	7249.65	4636.11	-
4.138e+05 203	54	3.015e+05	1.304e+04	-0.02	-1905.00	0.0	1070.41	-544.15	-51.18	1.608e+04	1.304e+04	-
3.015e+05		-4.588e+05	-1.297e+04	0.06	0.0	508.0	1070.41	-2449.15	-51.18	1.608e+04	-1.297e+04	-
4.588e+05 203	55	3.039e+05	1.316e+04	-0.01	-1905.00	0.0	89.81	2449.15	51.18	-1.608e+04	-1.284e+04	-
4.563e+05		-4.563e+05	-1.284e+04	-0.06	0.0	508.0	89.81	544.15	51.18	-1.608e+04	1.316e+04	-
3.039e+05 203	62	5.260e+04	7056.84	-8.39e-03	-1905.00	0.0	2214.45	635.63	-28.16	6798.67	7056.84	-
1138.61		-1.618e+05	-7273.11	0.03	0.0	508.0	2214.45	-1269.37	-28.16	6798.67	-7273.11	-
1.618e+05 203	63	6.072e+04	7468.90	-7.07e-03	-1905.00	0.0	-1054.23	1269.37	28.16	-6798.67	-6861.05	-
1.537e+05		-1.537e+05	-6861.05	-0.03	0.0	508.0	-1054.23	-635.63	28.16	-6798.67	7468.90	-
6988.80 203	78	4.433e+04	134.36	-7.31e-03	-1905.00	0.0	642.87	952.50	0.0	0.0	134.36	-
7.664e+04		-7.664e+04	134.36	-1.15e-04	0.0	508.0	642.87	-952.50	0.0	0.0	134.36	-
7.664e+04 203	79	4.686e+04	708.19	-7.70e-03	-1905.00	0.0	564.89	802.77	-2.35	568.62	708.19	-
3.893e+04		-1.150e+05	-485.43	2.76e-03	0.0	508.0	564.89	-1102.23	-2.35	568.62	-485.43	-
1.150e+05 203	81	4.501e+04	1.327e+04	-7.52e-03	-1905.00	0.0	179.79	952.50	307.24	0.0	-2.575e+04	-
7.596e+04		-7.596e+04	-2.575e+04	-5.63e-03	-614.48	508.0	179.79	-952.50	-307.24	0.0	-2.575e+04	-
7.596e+04 203	83	4.368e+04	107.45	-7.11e-03	-1905.00	0.0	553.67	952.50	0.0	0.0	107.45	-

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7.729e+04												
	-7.729e+04	107.45	-9.16e-05	0.0	508.0	553.67	-952.50	0.0	0.0	107.45	-	
7.729e+04												
203	84 4.367e+04	103.28	-7.11e-03	-1905.00	0.0	597.95	952.50	0.0	0.0	103.28	-	
7.730e+04												
	-7.730e+04	103.28	-8.80e-05	0.0	508.0	597.95	-952.50	0.0	0.0	103.28	-	
7.730e+04												
203	85 4.354e+04	97.89	-7.07e-03	-1905.00	0.0	580.11	952.50	0.0	0.0	97.89	-	
7.743e+04												
	-7.743e+04	97.89	-8.34e-05	0.0	508.0	580.11	-952.50	0.0	0.0	97.89	-	
7.743e+04												
203	86 4.354e+04	97.89	-7.07e-03	-1905.00	0.0	580.11	952.50	0.0	0.0	97.89	-	
7.743e+04												
	-7.743e+04	97.89	-8.34e-05	0.0	508.0	580.11	-952.50	0.0	0.0	97.89	-	
7.743e+04												
204	3 5.818e+04	782.75	0.02	-2476.50	0.0	915.63	1181.57	2.80	4.428e+04	-639.72	-	
8.468e+04												
	-1.135e+05	-639.72	2.93e-03	0.0	508.0	915.63	-1294.93	2.80	4.428e+04	782.75	-	
1.135e+05												
204	5 6.423e+04	346.92	0.02	-2476.50	0.0	766.85	965.90	-1.29	3.985e+04	346.92	-	
3.132e+04												
	-1.697e+05	-306.54	6.60e-03	0.0	508.0	766.85	-1510.60	-1.29	3.985e+04	-306.54	-	
1.697e+05												
204	10 4.700e+04	1.951e+04	0.02	-1905.00	0.0	206.61	916.11	458.14	2.557e+04	-3.833e+04	-	
6.473e+04												
	-8.321e+04	-3.971e+04	-6.29e-03	-921.72	508.0	206.61	-988.89	-463.58	2.557e+04	-3.971e+04	-	
8.321e+04												
204	11 5.577e+04	2.081e+04	0.01	-2476.50	0.0	875.04	1189.65	-225.78	4.493e+04	1.844e+04	-	
8.914e+04												
	-1.138e+05	-9639.22	5.10e-03	460.86	508.0	875.04	-1286.85	235.08	4.493e+04	2.081e+04	-	
1.138e+05												
204	13 6.011e+05	9147.56	-0.03	-1905.00	0.0	-707.27	-1734.65	-36.37	1.661e+04	9147.56	-	
6.011e+05												
	-7.643e+05	-6093.40	0.02	0.0	508.0	-707.27	-3639.65	-36.37	1.661e+04	-6093.40	-	
7.643e+05												
204	18 5.913e+05	4676.49	-0.03	-1905.00	0.0	360.23	-1718.68	-19.14	4.430e+04	4676.49	-	
5.913e+05												
	-7.659e+05	-5045.13	0.02	0.0	508.0	360.23	-3623.68	-19.14	4.430e+04	-5045.13	-	
7.659e+05												
204	28 4.362e+05	1.824e+04	0.03	-1905.00	0.0	1748.28	2959.86	71.89	7375.67	-1.829e+04	-	
5.833e+05												
	-5.833e+05	-1.829e+04	-0.09	0.0	508.0	1748.28	1054.86	71.89	7375.67	1.824e+04	-	
4.362e+05												
204	29 2.258e+05	7215.40	0.04	-1905.00	0.0	-1437.72	-207.91	-28.63	-3.281e+04	7215.40	-	
2.258e+05												
	-3.647e+05	3456.94	-0.02	0.0	508.0	-1437.72	-2112.91	-28.63	-3.281e+04	3456.94	-	
3.647e+05												
204	32 1.906e+05	-2449.14	-0.02	-1905.00	0.0	2625.56	2038.95	32.25	8.164e+04	-8045.27	-	
3.623e+05												
	-3.623e+05	-8045.27	0.03	0.0	508.0	2625.56	133.95	32.25	8.164e+04	-2449.14	-	
1.906e+05												
204	45 4.090e+05	6404.42	-0.02	-1905.00	0.0	-337.42	-973.96	-25.42	1.885e+04	6404.42	-	
4.090e+05												
	-5.699e+05	-4199.38	0.02	0.0	508.0	-337.42	-2878.96	-25.42	1.885e+04	-4199.38	-	
5.699e+05												
204	50 4.020e+05	3213.61	-0.02	-1905.00	0.0	430.80	-962.60	-13.12	3.859e+04	3213.61	-	
4.020e+05												
	-5.711e+05	-3451.57	0.02	0.0	508.0	430.80	-2867.60	-13.12	3.859e+04	-3451.57	-	
5.711e+05												
204	60 2.860e+05	1.315e+04	0.02	-1905.00	0.0	1420.41	2373.03	51.78	1.227e+04	-1.316e+04	-	
4.355e+05												
	-4.355e+05	-1.316e+04	-0.06	0.0	508.0	1420.41	468.03	51.78	1.227e+04	1.315e+04	-	
2.860e+05												
204	61 1.431e+05	5030.22	0.03	-1905.00	0.0	-866.68	114.53	-19.91	-1.639e+04	5030.22	-	
1.414e+05												
	-2.850e+05	2610.99	-0.02	0.0	508.0	-866.68	-1790.47	-19.91	-1.639e+04	2610.99	-	

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2.850e+05													
204	64	1.152e+05	-1603.19	-0.02	-1905.00	0.0	2054.53	1716.51	23.52	6.522e+04	-5860.08	-	
2.779e+05													
		-2.779e+05	-5860.08	0.02	0.0	508.0	2054.53	-188.49	23.52	6.522e+04	-1603.19	-	
1.109e+05													
204	78	4.444e+04	585.16	0.01	-1905.00	0.0	675.97	909.88	2.09	3.224e+04	-477.41	-	
6.570e+04													
		-8.735e+04	-477.41	2.12e-03	0.0	508.0	675.97	-995.12	2.09	3.224e+04	585.16	-	
8.735e+04													
204	79	4.777e+04	180.36	0.01	-1905.00	0.0	576.78	766.10	-0.63	2.929e+04	180.36	-	
3.012e+04													
		-1.248e+05	-141.03	4.57e-03	0.0	508.0	576.78	-1138.90	-0.63	2.929e+04	-141.03	-	
1.248e+05													
204	81	4.547e+04	1.302e+04	0.02	-1905.00	0.0	301.60	916.15	305.99	2.385e+04	-2.568e+04	-	
6.627e+04													
		-8.473e+04	-2.631e+04	-4.02e-03	-614.48	508.0	301.60	-988.85	-308.49	2.385e+04	-2.631e+04	-	
8.473e+04													
204	82	4.283e+04	1.393e+04	0.01	-1905.00	0.0	648.91	915.27	-150.29	3.268e+04	1.224e+04	-	
6.867e+04													
		-8.759e+04	-6419.94	3.48e-03	307.24	508.0	648.91	-989.73	156.95	3.268e+04	1.393e+04	-	
8.759e+04													
204	83	4.351e+04	486.48	0.01	-1905.00	0.0	575.46	915.24	1.72	2.478e+04	-389.44	-	
6.799e+04													
		-8.692e+04	-389.44	1.64e-03	0.0	508.0	575.46	-989.76	1.72	2.478e+04	486.48	-	
8.692e+04													
204	84	4.350e+04	523.64	0.01	-1905.00	0.0	614.02	914.45	1.88	2.591e+04	-432.53	-	
6.780e+04													
		-8.713e+04	-432.53	1.64e-03	0.0	508.0	614.02	-990.55	1.88	2.591e+04	523.64	-	
8.713e+04													
204	86	4.332e+04	503.90	0.01	-1905.00	0.0	593.92	915.52	1.81	2.441e+04	-414.93	-	
6.826e+04													
		-8.704e+04	-414.93	1.54e-03	0.0	508.0	593.92	-989.48	1.81	2.441e+04	503.90	-	
8.704e+04													
205	5	8.115e+04	8791.45	0.05	-2549.63	0.0	1130.40	1004.76	30.00	2.241e+05	-6896.94	-	
2.215e+04													
		-1.634e+05	-6896.94	0.01	0.0	523.0	1130.40	-1544.86	30.00	2.241e+05	8791.45	-	
1.634e+05													
205	6	6.640e+04	7379.58	0.04	-1961.25	0.0	868.72	707.89	25.02	1.893e+05	-5708.24	-	
311.79													
		-1.430e+05	-5708.24	0.01	0.0	523.0	868.72	-1253.36	25.02	1.893e+05	7379.58	-	
1.430e+05													
205	7	8.327e+04	6976.00	0.06	-2549.63	0.0	1383.41	1437.11	26.97	2.150e+05	-7127.50	-	
1.286e+05													
		-1.286e+05	-7127.50	3.94e-03	0.0	523.0	1383.41	-1112.52	26.97	2.150e+05	6976.00	-	
4.367e+04													
205	9	7.780e+04	2.293e+04	0.06	-2549.63	0.0	1179.12	1192.48	507.40	1.772e+05	-4.782e+04	-	
6.744e+04													
		-1.105e+05	-4.782e+04	0.01	-948.93	523.0	1179.12	-1357.14	-441.53	1.772e+05	-3.060e+04	-	
1.105e+05													
205	11	7.798e+04	2.873e+04	0.04	-2549.63	0.0	1307.62	1268.36	-206.27	2.581e+05	1.254e+04	-	
8.701e+04													
		-9.039e+04	-1.091e+04	8.89e-03	474.47	523.0	1307.62	-1281.26	268.20	2.581e+05	2.873e+04	-	
9.039e+04													
205	13	6.313e+05	7191.17	0.03	-1961.25	0.0	-2491.92	-1933.80	-34.45	7.926e+04	7191.17	-	
6.313e+05													
		-8.929e+05	-1.085e+04	0.02	0.0	523.0	-2491.92	-3895.05	-34.45	7.926e+04	-1.085e+04	-	
8.929e+05													
205	16	7.485e+05	2.226e+04	0.08	-1961.25	0.0	4468.41	3868.15	74.51	2.018e+05	-1.674e+04	-	
7.617e+05													
		-7.617e+05	-1.674e+04	-0.02	0.0	523.0	4468.41	1906.90	74.51	2.018e+05	2.226e+04	-	
7.485e+05													
205	17	5.982e+05	1.053e+04	-0.03	-1961.25	0.0	-2576.05	-1802.53	-48.67	1.048e+05	1.053e+04	-	
5.982e+05													
		-8.576e+05	-1.494e+04	0.05	0.0	523.0	-2576.05	-3763.78	-48.67	1.048e+05	-1.494e+04	-	
8.576e+05													
205	20	7.131e+05	2.635e+04	0.09	-1961.25	0.0	4552.53	3736.89	88.73	1.763e+05	-2.007e+04	-	

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7.285e+05														
	-7.285e+05	-2.007e+04	-0.04	0.0	523.0	4552.53	1775.64	88.73	1.763e+05	2.635e+04				
7.131e+05														
205	44	1.862e+05	3.394e+04	-0.03	-1961.25	0.0	2741.13	1877.18	120.66	3.588e+05	-2.918e+04	-		
2.839e+05														
		-2.839e+05	-2.918e+04	-0.06	0.0	523.0	2741.13	-84.07	120.66	3.588e+05	3.394e+04			
1.854e+05														
205	45	4.314e+05	3760.43	0.03	-1961.25	0.0	-1494.35	-1101.11	-18.83	9.685e+04	3760.43			
4.314e+05														
		-6.573e+05	-6104.86	0.02	0.0	523.0	-1494.35	-3062.36	-18.83	9.685e+04	-6104.86	-		
6.573e+05														
205	48	5.129e+05	1.751e+04	0.07	-1961.25	0.0	3470.83	3035.46	58.89	1.843e+05	-1.331e+04	-		
5.618e+05														
		-5.618e+05	-1.331e+04	-9.74e-03	0.0	523.0	3470.83	1074.21	58.89	1.843e+05	1.751e+04			
5.129e+05														
205	49	4.078e+05	6136.81	0.02	-1961.25	0.0	-1553.76	-1007.54	-28.96	1.151e+05	6136.81			
4.078e+05														
		-6.321e+05	-9019.96	0.04	0.0	523.0	-1553.76	-2968.79	-28.96	1.151e+05	-9019.96	-		
6.321e+05														
205	52	4.877e+05	2.043e+04	0.07	-1961.25	0.0	3530.24	2941.90	69.02	1.660e+05	-1.568e+04	-		
5.381e+05														
		-5.381e+05	-1.568e+04	-0.03	0.0	523.0	3530.24	980.65	69.02	1.660e+05	2.043e+04			
4.877e+05														
205	76	1.272e+05	2.584e+04	-0.02	-1961.25	0.0	2240.49	1616.06	91.81	2.962e+05	-2.218e+04	-		
2.211e+05														
		-2.211e+05	-2.218e+04	-0.04	0.0	523.0	2240.49	-345.19	91.81	2.962e+05	2.584e+04			
1.115e+05														
205	79	6.082e+04	6488.47	0.03	-1961.25	0.0	869.90	801.78	22.21	1.649e+05	-5126.27	-		
2.447e+04														
		-1.180e+05	-5126.27	9.08e-03	0.0	523.0	869.90	-1159.47	22.21	1.649e+05	6488.47	-		
1.180e+05														
205	80	6.299e+04	5278.17	0.04	-1961.25	0.0	1038.57	1090.02	20.19	1.588e+05	-5279.97	-		
9.541e+04														
		-9.541e+04	-5279.97	3.22e-03	0.0	523.0	1038.57	-871.23	20.19	1.588e+05	5278.17	-		
3.820e+04														
205	81	5.951e+04	1.541e+04	0.05	-1961.25	0.0	902.38	926.93	340.48	1.336e+05	-3.241e+04	-		
5.467e+04														
		-8.275e+04	-3.241e+04	7.66e-03	-632.62	523.0	902.38	-1034.32	-292.14	1.336e+05	-1.977e+04	-		
8.275e+04														
205	82	5.969e+04	1.978e+04	0.03	-1961.25	0.0	988.05	977.52	-135.30	1.876e+05	7831.80	-		
6.772e+04														
		-6.934e+04	-7295.02	6.21e-03	316.31	523.0	988.05	-983.73	181.01	1.876e+05	1.978e+04	-		
6.934e+04														
205	83	5.956e+04	5675.59	0.04	-1961.25	0.0	977.98	962.30	19.92	1.418e+05	-4742.10	-		
6.387e+04														
		-7.345e+04	-4742.10	5.57e-03	0.0	523.0	977.98	-998.95	19.92	1.418e+05	5675.59	-		
7.345e+04														
205	84	5.952e+04	5994.30	0.04	-1961.25	0.0	997.90	961.84	21.09	1.486e+05	-5033.25	-		
6.378e+04														
		-7.361e+04	-5033.25	5.67e-03	0.0	523.0	997.90	-999.41	21.09	1.486e+05	5994.30	-		
7.361e+04														
205	86	5.951e+04	5702.62	0.03	-1961.25	0.0	988.24	967.18	20.03	1.406e+05	-4774.10	-		
6.519e+04														
		-7.222e+04	-4774.10	5.38e-03	0.0	523.0	988.24	-994.07	20.03	1.406e+05	5702.62	-		
7.222e+04														
206	6	3.886e+04	7767.27	-0.12	-1569.00	0.0	684.65	826.29	24.20	7.986e+04	-4887.81	-		
7.465e+04														
		-7.465e+04	-4887.81	-2.51e-03	0.0	523.0	684.65	-742.71	24.20	7.986e+04	7767.27	-		
5.279e+04														
206	7	5.482e+04	1.705e+04	-0.14	-2039.70	0.0	1321.43	1200.25	64.92	9.887e+04	-1.690e+04	-		
1.295e+05														
		-1.295e+05	-1.690e+04	-0.01	0.0	523.0	1321.43	-839.45	64.92	9.887e+04	1.705e+04	-		
3.516e+04														
206	9	5.300e+04	1.779e+04	-0.14	-2039.70	0.0	1194.05	1143.37	67.02	8.018e+04	-1.726e+04	-		
1.146e+05														
		-1.146e+05	-1.726e+04	-0.01	0.0	523.0	1194.05	-896.33	67.02	8.018e+04	1.779e+04	-		

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5.000e+04	18	1.434e+05	2.251e+04	-0.12	-1569.00	0.0	1625.86	11.20	-86.12	1.190e+05	2.251e+04	
1.434e+05		-2.611e+05	-2.264e+04	0.02	0.0	523.0	1625.86	-1557.80	-86.12	1.190e+05	-2.264e+04	-
2.611e+05	19	1.678e+05	4.022e+04	-0.10	-1569.00	0.0	86.15	1687.81	150.85	1.766e+04	-3.878e+04	-
3.046e+05		-3.046e+05	-3.878e+04	-0.03	0.0	523.0	86.15	118.81	150.85	1.766e+04	4.022e+04	
1.678e+05	23	1.363e+05	5.139e+04	-0.09	-1569.00	0.0	233.44	1566.58	202.14	4.537e+04	-5.441e+04	-
2.727e+05		-2.727e+05	-5.441e+04	-0.09	0.0	523.0	233.44	-2.42	202.14	4.537e+04	5.139e+04	
1.363e+05	50	8.934e+04	1.373e+04	-0.11	-1569.00	0.0	1404.96	251.81	-52.15	1.045e+05	1.373e+04	
7.907e+04		-1.995e+05	-1.363e+04	0.01	0.0	523.0	1404.96	-1317.19	-52.15	1.045e+05	-1.363e+04	-
1.995e+05	51	1.086e+05	3.121e+04	-0.10	-1569.00	0.0	307.04	1447.20	116.88	3.222e+04	-2.999e+04	-
2.404e+05		-2.404e+05	-2.999e+04	-0.02	0.0	523.0	307.04	-121.80	116.88	3.222e+04	3.121e+04	
1.062e+05	55	9.102e+04	3.917e+04	-0.09	-1569.00	0.0	412.01	1360.77	153.43	5.196e+04	-4.113e+04	-
2.176e+05		-2.176e+05	-4.113e+04	-0.07	0.0	523.0	412.01	-208.23	153.43	5.196e+04	3.917e+04	
8.382e+04	79	3.842e+04	7723.81	-0.10	-1569.00	0.0	666.34	829.45	25.92	7.318e+04	-5834.03	-
7.591e+04		-7.591e+04	-5834.03	-2.77e-03	0.0	523.0	666.34	-739.55	25.92	7.318e+04	7723.81	-
5.240e+04	80	4.157e+04	1.239e+04	-0.10	-1569.00	0.0	964.91	911.60	47.20	7.389e+04	-1.230e+04	-
9.680e+04		-9.680e+04	-1.230e+04	-8.05e-03	0.0	523.0	964.91	-657.40	47.20	7.389e+04	1.239e+04	-
3.032e+04	81	4.035e+04	1.288e+04	-0.10	-1569.00	0.0	879.99	873.68	48.60	6.143e+04	-1.254e+04	-
8.686e+04		-8.686e+04	-1.254e+04	-8.12e-03	0.0	523.0	879.99	-695.32	48.60	6.143e+04	1.288e+04	-
4.022e+04	84	3.964e+04	9268.47	-0.09	-1569.00	0.0	873.23	855.33	34.18	7.070e+04	-8607.55	-
8.217e+04		-8.217e+04	-8607.55	-4.70e-03	0.0	523.0	873.23	-713.67	34.18	7.070e+04	9268.47	-
4.513e+04	85	3.945e+04	8791.50	-0.09	-1569.00	0.0	856.00	849.51	32.36	6.835e+04	-8134.70	-
8.064e+04		-8.064e+04	-8134.70	-4.41e-03	0.0	523.0	856.00	-719.49	32.36	6.835e+04	8791.50	-
4.664e+04	86	3.945e+04	8791.50	-0.09	-1569.00	0.0	856.00	849.51	32.36	6.835e+04	-8134.70	-
8.064e+04		-8.064e+04	-8134.70	-4.41e-03	0.0	523.0	856.00	-719.49	32.36	6.835e+04	8791.50	-
4.664e+04	6	3.345e+04	1756.40	-0.04	-1524.00	0.0	335.59	706.08	-5.76	1.548e+04	1756.40	-
4.938e+04		-7.779e+04	-1170.83	2.89e-03	0.0	508.0	335.59	-817.92	-5.76	1.548e+04	-1170.83	-
7.779e+04	7	4.386e+04	5230.64	-0.05	-1981.20	0.0	664.38	1087.71	18.16	1.737e+04	-3996.31	-
1.077e+05		-1.077e+05	-3996.31	-5.61e-03	0.0	508.0	664.38	-893.49	18.16	1.737e+04	5230.64	-
5.840e+04	9	4.291e+04	3317.27	-0.05	-1981.20	0.0	809.25	1014.48	9.22	1.512e+04	-1365.93	-
8.896e+04		-8.896e+04	-1365.93	-2.98e-03	0.0	508.0	809.25	-966.72	9.22	1.512e+04	3317.27	-
7.683e+04	19	1.578e+05	3.987e+04	-0.06	-1524.00	0.0	768.31	1638.65	137.71	3868.30	-3.520e+04	-
2.875e+05		-2.875e+05	-3.520e+04	-0.02	0.0	508.0	768.31	114.65	137.71	3868.30	3.987e+04	
1.578e+05	23	1.219e+05	4.631e+04	-0.05	-1524.00	0.0	333.87	1496.56	181.99	-9183.18	-4.618e+04	-

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2.513e+05													
	-2.513e+05	-4.618e+04	-0.09	0.0	508.0	333.87	-27.44	181.99	-9183.18	4.631e+04			
1.218e+05													
207	41	3.610e+04	2.062e+04	-0.05	-1524.00	0.0	1263.92	622.81	-79.25	6536.39	2.062e+04	-	
2.823e+04													
		-9.893e+04	-2627.70	0.06	0.0	508.0	1263.92	-901.19	-79.25	6536.39	-2627.70	-	
9.893e+04													
207	44	3.676e+04	5093.86	-0.02	-1524.00	0.0	-417.33	926.55	86.39	1.936e+04	-2.177e+04	-	
1.062e+05													
		-1.062e+05	-2.177e+04	-0.06	0.0	508.0	-417.33	-597.45	86.39	1.936e+04	5093.86	-	
2.262e+04													
207	51	9.779e+04	2.878e+04	-0.05	-1524.00	0.0	669.01	1390.68	99.20	6475.90	-2.526e+04	-	
2.243e+05													
		-2.243e+05	-2.526e+04	-0.02	0.0	508.0	669.01	-133.32	99.20	6475.90	2.878e+04	-	
9.507e+04													
207	55	7.828e+04	3.337e+04	-0.04	-1524.00	0.0	359.79	1289.37	130.79	-2830.69	-3.309e+04	-	
1.985e+05													
		-1.985e+05	-3.309e+04	-0.06	0.0	508.0	359.79	-234.63	130.79	-2830.69	3.337e+04	-	
6.943e+04													
207	73	3.460e+04	1.453e+04	-0.04	-1524.00	0.0	1022.86	666.40	-55.49	8373.29	1.453e+04	-	
3.942e+04													
		-8.798e+04	-1512.16	0.04	0.0	508.0	1022.86	-857.60	-55.49	8373.29	-1512.16	-	
8.798e+04													
207	76	3.481e+04	3978.32	-0.03	-1524.00	0.0	-176.27	882.96	62.62	1.753e+04	-1.569e+04	-	
9.502e+04													
		-9.502e+04	-1.569e+04	-0.04	0.0	508.0	-176.27	-641.04	62.62	1.753e+04	3978.32	-	
3.357e+04													
207	79	3.301e+04	1020.55	-0.04	-1524.00	0.0	354.37	728.76	-2.87	1.410e+04	1020.55	-	
5.532e+04													
		-7.221e+04	-438.34	1.74e-03	0.0	508.0	354.37	-795.24	-2.87	1.410e+04	-438.34	-	
7.221e+04													
207	80	3.344e+04	3623.98	-0.04	-1524.00	0.0	495.17	828.35	12.50	1.309e+04	-2724.36	-	
8.078e+04													
		-8.078e+04	-2724.36	-3.82e-03	0.0	508.0	495.17	-695.65	12.50	1.309e+04	3623.98	-	
4.707e+04													
207	81	3.296e+04	2348.40	-0.04	-1524.00	0.0	591.75	779.54	6.53	1.159e+04	-970.77	-	
6.827e+04													
		-6.827e+04	-970.77	-2.06e-03	0.0	508.0	591.75	-744.46	6.53	1.159e+04	2348.40	-	
5.936e+04													
207	84	3.282e+04	1333.51	-0.03	-1524.00	0.0	455.84	775.84	3.87	1.331e+04	-631.68	-	
6.747e+04													
		-6.747e+04	-631.68	-8.43e-04	0.0	508.0	455.84	-748.16	3.87	1.331e+04	1333.51	-	
6.044e+04													
207	85	3.278e+04	1233.08	-0.03	-1524.00	0.0	423.30	774.68	3.57	1.295e+04	-579.59	-	
6.722e+04													
		-6.722e+04	-579.59	-7.58e-04	0.0	508.0	423.30	-749.32	3.57	1.295e+04	1233.08	-	
6.077e+04													
207	86	3.278e+04	1233.08	-0.03	-1524.00	0.0	423.30	774.68	3.57	1.295e+04	-579.59	-	
6.722e+04													
		-6.722e+04	-579.59	-7.58e-04	0.0	508.0	423.30	-749.32	3.57	1.295e+04	1233.08	-	
6.077e+04													
208	3	4.262e+04	266.35	-0.04	-1981.20	0.0	815.67	990.60	0.0	0.0	266.35	-	
8.318e+04													
		-8.318e+04	266.35	-1.02e-04	0.0	508.0	815.67	-990.60	0.0	0.0	266.35	-	
8.318e+04													
208	5	4.300e+04	3473.86	-0.04	-1981.20	0.0	565.01	914.54	-12.89	924.46	3473.86	-	
6.394e+04													
		-1.026e+05	-3074.00	4.17e-03	0.0	508.0	565.01	-1066.66	-12.89	924.46	-3074.00	-	
1.026e+05													
208	6	3.368e+04	3464.28	-0.03	-1524.00	0.0	453.51	685.94	-12.89	924.46	3464.28	-	
4.468e+04													
		-8.332e+04	-3083.58	4.17e-03	0.0	508.0	453.51	-838.06	-12.89	924.46	-3083.58	-	
8.332e+04													
208	13	1.589e+05	3.374e+04	-0.06	-1524.00	0.0	541.59	-115.29	-132.98	4319.13	3.374e+04	-	
1.589e+05													
		-2.868e+05	-3.376e+04	0.02	0.0	508.0	541.59	-1639.29	-132.98	4319.13	-3.376e+04	-	

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2.868e+05 208	16	1.585e+05	3.394e+04	-0.06	-1524.00	0.0	312.32	1639.29	132.98	-4319.13	-3.356e+04	-
2.872e+05		-2.872e+05	-3.356e+04	-0.02	0.0	508.0	312.32	115.29	132.98	-4319.13	3.394e+04	
1.585e+05 208	22	1.226e+05	4.542e+04	-0.06	-1524.00	0.0	312.32	26.28	-177.96	2.130e+04	4.542e+04	
1.225e+05		-2.512e+05	-4.504e+04	0.09	0.0	508.0	312.32	-1497.72	-177.96	2.130e+04	-4.504e+04	-
2.512e+05 208	23	1.230e+05	4.522e+04	-0.05	-1524.00	0.0	541.59	1497.72	177.96	-2.130e+04	-4.524e+04	-
2.508e+05		-2.508e+05	-4.524e+04	-0.09	0.0	508.0	541.59	-26.28	177.96	-2.130e+04	4.522e+04	
1.229e+05 208	29	5.020e+04	866.20	-0.04	-1524.00	0.0	809.07	441.25	-4.71	-7848.14	866.20	
1.797e+04		-1.450e+05	-1361.34	-0.03	0.0	508.0	809.07	-1082.75	-4.71	-7848.14	-1361.34	-
1.450e+05 208	32	4.896e+04	1538.91	-0.03	-1524.00	0.0	44.84	1082.75	4.71	7848.14	-688.63	-
1.463e+05		-1.463e+05	-688.63	0.03	0.0	508.0	44.84	-441.25	4.71	7848.14	1538.91	
1.673e+04 208	45	9.769e+04	2.408e+04	-0.05	-1524.00	0.0	509.39	136.51	-94.81	3078.70	2.408e+04	
9.487e+04		-2.229e+05	-2.405e+04	0.01	0.0	508.0	509.39	-1387.49	-94.81	3078.70	-2.405e+04	-
2.229e+05 208	48	9.742e+04	2.422e+04	-0.04	-1524.00	0.0	344.53	1387.49	94.81	-3078.70	-2.390e+04	-
2.232e+05		-2.232e+05	-2.390e+04	-0.01	0.0	508.0	344.53	-136.51	94.81	-3078.70	2.422e+04	
9.460e+04 208	54	7.798e+04	3.241e+04	-0.04	-1524.00	0.0	344.53	237.44	-126.88	1.518e+04	3.241e+04	
6.895e+04		-1.975e+05	-3.209e+04	0.06	0.0	508.0	344.53	-1286.56	-126.88	1.518e+04	-3.209e+04	-
1.975e+05 208	55	7.825e+04	3.226e+04	-0.04	-1524.00	0.0	509.39	1286.56	126.88	-1.518e+04	-3.223e+04	-
1.972e+05		-1.972e+05	-3.223e+04	-0.06	0.0	508.0	509.39	-237.44	126.88	-1.518e+04	3.226e+04	
6.922e+04 208	61	4.155e+04	642.66	-0.03	-1524.00	0.0	701.73	533.31	-3.36	-5596.06	642.66	-
5599.58		-1.218e+05	-942.67	-0.02	0.0	508.0	701.73	-990.69	-3.36	-5596.06	-942.67	-
1.218e+05 208	64	4.066e+04	1120.24	-0.03	-1524.00	0.0	152.19	990.69	3.36	5596.06	-465.08	-
1.227e+05		-1.227e+05	-465.08	0.02	0.0	508.0	152.19	-533.31	3.36	5596.06	1120.24	-
6481.61 208	78	3.276e+04	181.83	-0.03	-1524.00	0.0	593.34	762.00	0.0	0.0	181.83	-
6.402e+04		-6.402e+04	181.83	-6.97e-05	0.0	508.0	593.34	-762.00	0.0	0.0	181.83	-
6.402e+04 208	79	3.281e+04	2320.17	-0.03	-1524.00	0.0	426.23	711.29	-8.59	616.31	2320.17	-
5.119e+04		-7.695e+04	-2045.07	2.78e-03	0.0	508.0	426.23	-812.71	-8.59	616.31	-2045.07	-
7.695e+04 208	80	3.281e+04	2320.17	-0.03	-1524.00	0.0	426.23	812.71	8.59	-616.31	-2045.07	-
7.695e+04		-7.695e+04	-2045.07	-2.78e-03	0.0	508.0	426.23	-711.29	8.59	-616.31	2320.17	-
5.119e+04 208	83	3.265e+04	116.20	-0.03	-1524.00	0.0	430.88	762.00	0.0	0.0	116.20	-
6.412e+04		-6.412e+04	116.20	-4.46e-05	0.0	508.0	430.88	-762.00	0.0	0.0	116.20	-
6.412e+04 208	84	3.265e+04	101.91	-0.03	-1524.00	0.0	459.45	762.00	0.0	0.0	101.91	-
6.413e+04		-6.413e+04	101.91	-3.91e-05	0.0	508.0	459.45	-762.00	0.0	0.0	101.91	-
6.413e+04 208	85	3.263e+04	88.79	-0.03	-1524.00	0.0	426.96	762.00	0.0	0.0	88.79	-

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6.415e+04												
	-6.415e+04	88.79	-3.41e-05	0.0	508.0	426.96	-762.00	0.0	0.0	88.79	-	
6.415e+04												
208	86 3.263e+04	88.79	-0.03	-1524.00	0.0	426.96	762.00	0.0	0.0	88.79	-	
6.415e+04												
	-6.415e+04	88.79	-3.41e-05	0.0	508.0	426.96	-762.00	0.0	0.0	88.79	-	
6.415e+04												
209	5 4.386e+04	5230.64	-0.03	-1981.20	0.0	664.38	893.49	-18.16	-1.737e+04	5230.64	-	
5.840e+04												
	-1.077e+05	-3996.31	5.61e-03	0.0	508.0	664.38	-1087.71	-18.16	-1.737e+04	-3996.31	-	
1.077e+05												
209	8 3.345e+04	1756.40	0.02	-1524.00	0.0	335.59	817.92	5.76	-1.548e+04	-1170.83	-	
7.779e+04												
	-7.779e+04	-1170.83	-2.89e-03	0.0	508.0	335.59	-706.08	5.76	-1.548e+04	1756.40	-	
4.938e+04												
209	9 4.291e+04	3317.27	0.02	-1981.20	0.0	809.25	966.72	-9.22	-1.512e+04	3317.27	-	
7.683e+04												
	-8.896e+04	-1365.93	2.98e-03	0.0	508.0	809.25	-1014.48	-9.22	-1.512e+04	-1365.93	-	
8.896e+04												
209	13 1.578e+05	3.987e+04	-0.06	-1524.00	0.0	768.31	-114.65	-137.71	-3868.30	3.987e+04	-	
1.578e+05												
	-2.875e+05	-3.520e+04	0.02	0.0	508.0	768.31	-1638.65	-137.71	-3868.30	-3.520e+04	-	
2.875e+05												
209	25 1.219e+05	4.631e+04	-0.05	-1524.00	0.0	333.87	27.44	-181.99	9183.18	4.631e+04	-	
1.218e+05												
	-2.513e+05	-4.618e+04	0.09	0.0	508.0	333.87	-1496.56	-181.99	9183.18	-4.618e+04	-	
2.513e+05												
209	34 3.676e+04	5093.86	-0.03	-1524.00	0.0	-417.33	597.45	-86.39	-1.936e+04	5093.86	-	
2.262e+04												
	-1.062e+05	-2.177e+04	0.06	0.0	508.0	-417.33	-926.55	-86.39	-1.936e+04	-2.177e+04	-	
1.062e+05												
209	35 3.610e+04	2.062e+04	0.04	-1524.00	0.0	1263.92	901.19	79.25	-6536.39	-2627.70	-	
9.893e+04												
	-9.893e+04	-2627.70	-0.06	0.0	508.0	1263.92	-622.81	79.25	-6536.39	2.062e+04	-	
2.823e+04												
209	45 9.779e+04	2.878e+04	-0.05	-1524.00	0.0	669.01	133.32	-99.20	-6475.90	2.878e+04	-	
9.507e+04												
	-2.243e+05	-2.526e+04	0.02	0.0	508.0	669.01	-1390.68	-99.20	-6475.90	-2.526e+04	-	
2.243e+05												
209	57 7.828e+04	3.337e+04	-0.04	-1524.00	0.0	359.79	234.63	-130.79	2830.69	3.337e+04	-	
6.943e+04												
	-1.985e+05	-3.309e+04	0.06	0.0	508.0	359.79	-1289.37	-130.79	2830.69	-3.309e+04	-	
1.985e+05												
209	66 3.481e+04	3978.32	-0.03	-1524.00	0.0	-176.27	641.04	-62.62	-1.753e+04	3978.32	-	
3.357e+04												
	-9.502e+04	-1.569e+04	0.04	0.0	508.0	-176.27	-882.96	-62.62	-1.753e+04	-1.569e+04	-	
9.502e+04												
209	67 3.460e+04	1.453e+04	0.03	-1524.00	0.0	1022.86	857.60	55.49	-8373.29	-1512.16	-	
8.798e+04												
	-8.798e+04	-1512.16	-0.04	0.0	508.0	1022.86	-666.40	55.49	-8373.29	1.453e+04	-	
3.942e+04												
209	79 3.344e+04	3623.98	-0.02	-1524.00	0.0	495.17	695.65	-12.50	-1.309e+04	3623.98	-	
4.707e+04												
	-8.078e+04	-2724.36	3.82e-03	0.0	508.0	495.17	-828.35	-12.50	-1.309e+04	-2724.36	-	
8.078e+04												
209	80 3.301e+04	1020.55	-0.02	-1524.00	0.0	354.37	795.24	2.87	-1.410e+04	-438.34	-	
7.221e+04												
	-7.221e+04	-438.34	-1.74e-03	0.0	508.0	354.37	-728.76	2.87	-1.410e+04	1020.55	-	
5.532e+04												
209	81 3.296e+04	2348.40	-0.02	-1524.00	0.0	591.75	744.46	-6.53	-1.159e+04	2348.40	-	
5.936e+04												
	-6.827e+04	-970.77	2.06e-03	0.0	508.0	591.75	-779.54	-6.53	-1.159e+04	-970.77	-	
6.827e+04												
209	84 3.282e+04	1333.51	-0.02	-1524.00	0.0	455.84	748.16	-3.87	-1.331e+04	1333.51	-	
6.044e+04												
	-6.747e+04	-631.68	8.38e-04	0.0	508.0	455.84	-775.84	-3.87	-1.331e+04	-631.68	-	

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6.747e+04 209	85	3.278e+04	1233.08	-0.02	-1524.00	0.0	423.30	749.32	-3.57	-1.295e+04	1233.08	-
6.077e+04		-6.722e+04	-579.59	7.52e-04	0.0	508.0	423.30	-774.68	-3.57	-1.295e+04	-579.59	-
6.722e+04 209	86	3.278e+04	1233.08	-0.02	-1524.00	0.0	423.30	749.32	-3.57	-1.295e+04	1233.08	-
6.077e+04		-6.722e+04	-579.59	7.52e-04	0.0	508.0	423.30	-774.68	-3.57	-1.295e+04	-579.59	-
6.722e+04 210	5	5.482e+04	1.705e+04	0.13	-2039.70	0.0	1321.43	839.45	-64.92	-9.887e+04	1.705e+04	-
3.516e+04		-1.295e+05	-1.690e+04	0.01	0.0	523.0	1321.43	-1200.25	-64.92	-9.887e+04	-1.690e+04	-
1.295e+05 210	8	3.886e+04	7767.27	0.12	-1569.00	0.0	684.65	742.71	-24.20	-7.986e+04	7767.27	-
5.279e+04		-7.465e+04	-4887.81	2.25e-03	0.0	523.0	684.65	-826.29	-24.20	-7.986e+04	-4887.81	-
7.465e+04 210	9	5.300e+04	1.779e+04	0.14	-2039.70	0.0	1194.05	896.33	-67.02	-8.018e+04	1.779e+04	-
5.000e+04		-1.146e+05	-1.726e+04	0.01	0.0	523.0	1194.05	-1143.37	-67.02	-8.018e+04	-1.726e+04	-
1.146e+05 210	13	1.678e+05	4.022e+04	0.08	-1569.00	0.0	86.15	-118.81	-150.85	-1.766e+04	4.022e+04	-
1.678e+05		-3.046e+05	-3.878e+04	0.03	0.0	523.0	86.15	-1687.81	-150.85	-1.766e+04	-3.878e+04	-
3.046e+05 210	16	1.434e+05	2.251e+04	0.12	-1569.00	0.0	1625.86	1557.80	86.12	-1.190e+05	-2.264e+04	-
2.611e+05		-2.611e+05	-2.264e+04	-0.02	0.0	523.0	1625.86	-11.20	86.12	-1.190e+05	2.251e+04	-
1.434e+05 210	25	1.363e+05	5.139e+04	0.07	-1569.00	0.0	233.44	2.42	-202.14	-4.537e+04	5.139e+04	-
1.363e+05		-2.727e+05	-5.441e+04	0.09	0.0	523.0	233.44	-1566.58	-202.14	-4.537e+04	-5.441e+04	-
2.727e+05 210	45	1.086e+05	3.121e+04	0.07	-1569.00	0.0	307.04	121.80	-116.88	-3.222e+04	3.121e+04	-
1.062e+05		-2.404e+05	-2.999e+04	0.02	0.0	523.0	307.04	-1447.20	-116.88	-3.222e+04	-2.999e+04	-
2.404e+05 210	48	8.934e+04	1.373e+04	0.11	-1569.00	0.0	1404.96	1317.19	52.15	-1.045e+05	-1.363e+04	-
1.995e+05		-1.995e+05	-1.363e+04	-0.01	0.0	523.0	1404.96	-251.81	52.15	-1.045e+05	1.373e+04	-
7.907e+04 210	57	9.102e+04	3.917e+04	0.07	-1569.00	0.0	412.01	208.23	-153.43	-5.196e+04	3.917e+04	-
8.382e+04		-2.176e+05	-4.113e+04	0.07	0.0	523.0	412.01	-1360.77	-153.43	-5.196e+04	-4.113e+04	-
2.176e+05 210	79	4.157e+04	1.239e+04	0.09	-1569.00	0.0	964.91	657.40	-47.20	-7.389e+04	1.239e+04	-
3.032e+04		-9.680e+04	-1.230e+04	8.05e-03	0.0	523.0	964.91	-911.60	-47.20	-7.389e+04	-1.230e+04	-
9.680e+04 210	80	3.842e+04	7723.81	0.10	-1569.00	0.0	666.34	739.55	-25.92	-7.318e+04	7723.81	-
5.240e+04		-7.591e+04	-5834.03	2.63e-03	0.0	523.0	666.34	-829.45	-25.92	-7.318e+04	-5834.03	-
7.591e+04 210	81	4.035e+04	1.288e+04	0.10	-1569.00	0.0	879.99	695.32	-48.60	-6.143e+04	1.288e+04	-
4.022e+04		-8.686e+04	-1.254e+04	8.12e-03	0.0	523.0	879.99	-873.68	-48.60	-6.143e+04	-1.254e+04	-
8.686e+04 210	84	3.964e+04	9268.47	0.09	-1569.00	0.0	873.23	713.67	-34.18	-7.070e+04	9268.47	-
4.513e+04		-8.217e+04	-8607.55	4.69e-03	0.0	523.0	873.23	-855.33	-34.18	-7.070e+04	-8607.55	-
8.217e+04 210	85	3.945e+04	8791.50	0.08	-1569.00	0.0	856.00	719.49	-32.36	-6.835e+04	8791.50	-
4.664e+04		-8.064e+04	-8134.70	4.40e-03	0.0	523.0	856.00	-849.51	-32.36	-6.835e+04	-8134.70	-
8.064e+04 210	86	3.945e+04	8791.50	0.08	-1569.00	0.0	856.00	719.49	-32.36	-6.835e+04	8791.50	-

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5.270e+05													
211	79	3.232e+05	7792.26	0.07	-4838.72	0.0	2375.80	107.09	-96.28	-6572.91	2510.67		
3.232e+05													
		-4.648e+05	-4591.57	1.22e-03	224.60	340.8	2706.68	-4731.62	128.33	-6572.91	7792.26	-	
4.648e+05													
211	80	3.316e+05	5496.73	0.07	-4838.72	0.0	2160.60	59.10	240.25	-1.849e+04	-1.655e+04		
3.316e+05													
		-4.727e+05	-1.655e+04	-3.77e-03	-449.21	340.8	2491.49	-4779.62	-208.95	-1.849e+04	-1.086e+04	-	
4.727e+05													
211	81	3.677e+05	437.30	0.08	-4838.72	0.0	2243.88	-169.46	8.17	-1.033e+04	-2346.98		
3.677e+05													
		-5.145e+05	-2346.98	-1.26e-03	0.0	340.8	2574.76	-5008.17	8.17	-1.033e+04	437.30	-	
5.145e+05													
211	82	2.951e+05	2107.03	0.07	-4838.72	0.0	1916.48	305.74	19.77	-1.271e+04	-4630.47		
2.918e+05													
		-4.285e+05	-4630.47	-1.88e-03	0.0	340.8	2247.36	-4532.97	19.77	-1.271e+04	2107.03	-	
4.285e+05													
211	83	2.930e+05	1007.08	0.06	-4164.57	0.0	2068.37	17.56	13.14	-1.204e+04	-3471.89		
2.930e+05													
		-4.106e+05	-3471.89	-1.66e-03	0.0	340.8	2353.16	-4147.02	13.14	-1.204e+04	1007.08	-	
4.106e+05													
211	84	3.075e+05	1062.28	0.07	-4434.23	0.0	2175.98	39.45	13.55	-1.209e+04	-3554.02		
3.075e+05													
		-4.346e+05	-3554.02	-1.72e-03	0.0	340.8	2479.21	-4394.78	13.55	-1.209e+04	1062.28	-	
4.346e+05													
211	86	2.937e+05	931.64	0.06	-4164.57	0.0	2098.76	13.39	12.81	-1.209e+04	-3435.18		
2.937e+05													
		-4.114e+05	-3435.18	-1.69e-03	0.0	340.8	2383.54	-4151.19	12.81	-1.209e+04	931.64	-	
4.114e+05													
212	3	9.590e+05	2007.12	0.22	-1.326e+04	0.0	1.365e+04	74.43	11.01	746.17	-1743.76		
9.590e+05													
		-1.275e+06	-1743.76	-4.17e-04	0.0	340.8	1.455e+04	-1.319e+04	11.01	746.17	2007.12	-	
1.275e+06													
212	5	8.434e+05	2943.40	0.19	-1.127e+04	0.0	1.225e+04	-41.83	14.42	1.164e+04	-1971.27		
8.434e+05													
		-1.091e+06	-1971.27	2.93e-03	0.0	340.8	1.302e+04	-1.131e+04	14.42	1.164e+04	2943.40	-	
1.091e+06													
212	10	7.344e+05	1858.27	0.15	-9490.51	0.0	9118.23	-282.83	9.41	4043.44	-1349.45		
7.344e+05													
		-9.792e+05	-1349.45	5.30e-04	0.0	340.8	9767.21	-9773.34	9.41	4043.44	1858.27	-	
9.792e+05													
212	18	4.691e+05	1.735e+04	0.14	-6971.27	0.0	1.034e+04	569.75	69.98	1.134e+05	-6588.16		
4.615e+05													
		-5.311e+05	-6588.16	9.58e-03	0.0	340.8	1.081e+04	-6401.52	69.98	1.134e+05	1.735e+04	-	
5.311e+05													
212	19	6.430e+05	4940.02	0.12	-6971.27	0.0	5804.02	-887.48	-59.27	-1.115e+05	4940.02		
6.430e+05													
		-8.484e+05	-1.535e+04	-0.01	0.0	340.8	6280.73	-7858.75	-59.27	-1.115e+05	-1.535e+04	-	
8.484e+05													
212	34	3.742e+05	1601.82	0.16	-6971.27	0.0	1.509e+04	2258.21	35.78	1.574e+04	-5922.64		
2.491e+05													
		-1.673e+05	-5922.64	0.03	0.0	340.8	1.556e+04	-4713.06	35.78	1.574e+04	1601.82	-	
1.673e+05													
212	35	8.554e+05	4274.50	0.10	-6971.27	0.0	1054.26	-2575.94	-25.07	-1.388e+04	4274.50		
8.554e+05													
		-1.212e+06	400.82	-0.03	0.0	340.8	1530.97	-9547.21	-25.07	-1.388e+04	400.82	-	
1.212e+06													
212	50	4.906e+05	1.266e+04	0.13	-6971.27	0.0	9686.49	360.81	51.44	8.111e+04	-4933.59		
4.875e+05													
		-5.766e+05	-4933.59	6.77e-03	0.0	340.8	1.016e+04	-6610.46	51.44	8.111e+04	1.266e+04	-	
5.766e+05													
212	51	6.170e+05	3285.45	0.12	-6971.27	0.0	6454.71	-678.54	-40.72	-7.925e+04	3285.45		
6.170e+05													
		-8.029e+05	-1.065e+04	-7.23e-03	0.0	340.8	6931.42	-7649.81	-40.72	-7.925e+04	-1.065e+04	-	
8.029e+05													
212	66	3.954e+05	1412.21	0.15	-6971.27	0.0	1.307e+04	1565.18	27.09	1.148e+04	-4459.64		

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3.360e+05												
	-3.171e+05	-4459.64	0.02	0.0	340.8	1.355e+04	-5406.09	27.09	1.148e+04	1412.21	-	
3.171e+05												
212	67 7.685e+05	2811.50	0.11	-6971.27	0.0	3067.56	-1882.91	-16.37	-9624.43	2811.50	-	
7.685e+05												
	-1.062e+06	590.44	-0.02	0.0	340.8	3544.27	-8854.19	-16.37	-9624.43	590.44	-	
1.062e+06												
212	78 7.022e+05	1442.68	0.16	-9629.17	0.0	1.001e+04	28.92	7.89	569.54	-1247.00	-	
7.022e+05												
	-9.287e+05	-1247.00	-3.03e-04	0.0	340.8	1.067e+04	-9600.25	7.89	569.54	1442.68	-	
9.287e+05												
212	79 6.252e+05	2066.87	0.14	-8300.22	0.0	9081.81	-48.59	10.17	7829.77	-1398.67	-	
6.252e+05												
	-8.057e+05	-1398.67	1.93e-03	0.0	340.8	9649.40	-8348.81	10.17	7829.77	2066.87	-	
8.057e+05												
212	81 6.469e+05	1500.35	0.14	-8300.22	0.0	8368.87	-240.30	7.66	2875.85	-1110.85	-	
6.469e+05												
	-8.494e+05	-1110.85	2.98e-04	0.0	340.8	8936.46	-8540.52	7.66	2875.85	1500.35	-	
8.494e+05												
212	84 5.825e+05	1076.22	0.14	-7502.85	0.0	8453.39	-123.08	5.80	848.79	-901.85	-	
5.825e+05												
	-7.380e+05	-901.85	-2.67e-04	0.0	340.8	8966.45	-7625.93	5.80	848.79	1076.22	-	
7.380e+05												
212	85 5.523e+05	1001.32	0.13	-6971.27	0.0	8070.60	-158.86	5.36	929.06	-824.07	-	
5.523e+05												
	-6.898e+05	-824.07	-2.54e-04	0.0	340.8	8547.32	-7130.14	5.36	929.06	1001.32	-	
6.898e+05												
212	86 5.523e+05	1001.32	0.13	-6971.27	0.0	8070.60	-158.86	5.36	929.06	-824.07	-	
5.523e+05												
	-6.898e+05	-824.07	-2.54e-04	0.0	340.8	8547.32	-7130.14	5.36	929.06	1001.32	-	
6.898e+05												
213	3 9.896e+05	331.10	0.23	-1.309e+04	0.0	1.480e+04	-62.93	2.02	1159.25	-357.68	-	
9.896e+05												
	-1.263e+06	-357.68	-4.95e-05	0.0	340.8	1.570e+04	-1.315e+04	2.02	1159.25	331.10	-	
1.263e+06												
213	5 8.723e+05	1192.63	0.20	-1.113e+04	0.0	1.329e+04	-173.81	5.30	1.198e+04	-613.55	-	
8.723e+05												
	-1.083e+06	-613.55	3.27e-03	0.0	340.8	1.405e+04	-1.130e+04	5.30	1.198e+04	1192.63	-	
1.083e+06												
213	8 7.273e+05	31.53	0.16	-9370.98	0.0	1.103e+04	-119.18	-1.92	-9967.63	31.53	-	
7.273e+05												
	-9.101e+05	-624.28	-3.41e-03	0.0	340.8	1.167e+04	-9490.16	-1.92	-9967.63	-624.28	-	
9.101e+05												
213	10 7.507e+05	232.88	0.16	-9370.98	0.0	9743.57	-366.45	1.25	1544.46	-192.66	-	
7.507e+05												
	-9.710e+05	-192.66	1.86e-04	0.0	340.8	1.038e+04	-9737.43	1.25	1544.46	232.88	-	
9.710e+05												
213	18 5.036e+05	1.513e+04	0.15	-6888.40	0.0	1.139e+04	395.87	55.93	1.197e+05	-3934.09	-	
4.997e+05												
	-5.380e+05	-3934.09	0.01	0.0	340.8	1.186e+04	-6492.53	55.93	1.197e+05	1.513e+04	-	
5.380e+05												
213	19 6.406e+05	3539.98	0.12	-6888.40	0.0	6147.85	-865.80	-53.80	-1.181e+05	3539.98	-	
6.406e+05												
	-8.293e+05	-1.480e+04	-0.01	0.0	340.8	6618.90	-7754.20	-53.80	-1.181e+05	-1.480e+04	-	
8.293e+05												
213	34 4.207e+05	1157.24	0.17	-6888.40	0.0	1.741e+04	1856.24	8.81	2.826e+04	-2595.71	-	
3.351e+05												
	-2.028e+05	-2595.71	0.03	0.0	340.8	1.788e+04	-5032.16	8.81	2.826e+04	1157.24	-	
2.028e+05												
213	35 8.052e+05	2201.61	0.10	-6888.40	0.0	124.58	-2326.16	-6.68	-2.661e+04	2201.61	-	
8.052e+05												
	-1.165e+06	-824.69	-0.03	0.0	340.8	595.62	-9214.56	-6.68	-2.661e+04	-824.69	-	
1.165e+06												
213	50 5.199e+05	1.083e+04	0.14	-6888.40	0.0	1.064e+04	215.05	40.18	8.558e+04	-2860.68	-	
5.199e+05												
	-5.798e+05	-2860.68	7.76e-03	0.0	340.8	1.111e+04	-6673.35	40.18	8.558e+04	1.083e+04	-	

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5.798e+05												
213	51	6.204e+05	2466.57	0.13	-6888.40	0.0	6899.81	-684.97	-38.05	-8.393e+04	2466.57	
6.204e+05												
		-7.875e+05	-1.050e+04	-7.87e-03	0.0	340.8	7370.86	-7573.37	-38.05	-8.393e+04	-1.050e+04	-
7.875e+05												
213	66	4.419e+05	871.09	0.16	-6888.40	0.0	1.493e+04	1256.80	6.58	2.038e+04	-1907.03	
4.024e+05												
		-3.407e+05	-1907.03	0.02	0.0	340.8	1.540e+04	-5631.60	6.58	2.038e+04	871.09	-
3.407e+05												
213	67	7.379e+05	1512.92	0.11	-6888.40	0.0	2605.04	-1726.72	-4.45	-1.873e+04	1512.92	
7.379e+05												
		-1.027e+06	-538.54	-0.02	0.0	340.8	3076.08	-8615.12	-4.45	-1.873e+04	-538.54	-
1.027e+06												
213	78	7.246e+05	236.64	0.17	-9507.63	0.0	1.086e+04	-70.46	1.47	864.16	-263.07	
7.246e+05												
		-9.195e+05	-263.07	-4.04e-05	0.0	340.8	1.151e+04	-9578.09	1.47	864.16	236.64	-
9.195e+05												
213	79	6.464e+05	810.99	0.15	-8198.01	0.0	9851.39	-144.39	3.65	8079.39	-433.65	
6.464e+05												
		-7.997e+05	-433.65	2.17e-03	0.0	340.8	1.041e+04	-8342.40	3.65	8079.39	810.99	-
7.997e+05												
213	81	6.627e+05	195.02	0.15	-8198.01	0.0	8974.53	-315.58	1.13	1257.97	-189.99	
6.627e+05												
		-8.417e+05	-189.99	1.03e-04	0.0	340.8	9535.13	-8513.59	1.13	1257.97	195.02	-
8.417e+05												
213	83	5.692e+05	179.27	0.13	-6888.40	0.0	8803.82	-226.34	1.11	838.97	-199.93	
5.692e+05												
		-6.817e+05	-199.93	-4.64e-05	0.0	340.8	9274.87	-7114.74	1.11	838.97	179.27	-
6.817e+05												
213	84	6.013e+05	177.75	0.14	-7412.25	0.0	9179.13	-203.79	1.14	829.02	-209.68	
6.013e+05												
		-7.312e+05	-209.68	-5.41e-05	0.0	340.8	9685.99	-7616.03	1.14	829.02	177.75	-
7.312e+05												
213	85	5.702e+05	166.28	0.13	-6888.40	0.0	8768.10	-234.96	1.07	823.98	-197.05	
5.702e+05												
		-6.837e+05	-197.05	-5.55e-05	0.0	340.8	9239.15	-7123.36	1.07	823.98	166.28	-
6.837e+05												
213	86	5.702e+05	166.28	0.13	-6888.40	0.0	8768.10	-234.96	1.07	823.98	-197.05	
5.702e+05												
		-6.837e+05	-197.05	-5.55e-05	0.0	340.8	9239.15	-7123.36	1.07	823.98	166.28	-
6.837e+05												
214	3	9.896e+05	357.68	0.23	-1.309e+04	0.0	1.480e+04	-62.93	-2.02	-1159.25	357.68	
9.896e+05												
		-1.263e+06	-331.10	4.95e-05	0.0	340.8	1.570e+04	-1.315e+04	-2.02	-1159.25	-331.10	-
1.263e+06												
214	6	7.273e+05	624.28	0.16	-9370.98	0.0	1.103e+04	-119.18	1.92	9967.63	-31.53	
7.273e+05												
		-9.101e+05	-31.53	3.41e-03	0.0	340.8	1.167e+04	-9490.16	1.92	9967.63	624.28	-
9.101e+05												
214	7	8.723e+05	613.55	0.20	-1.113e+04	0.0	1.329e+04	-173.81	-5.30	-1.198e+04	613.55	
8.723e+05												
		-1.083e+06	-1192.63	-3.27e-03	0.0	340.8	1.405e+04	-1.130e+04	-5.30	-1.198e+04	-1192.63	-
1.083e+06												
214	10	7.507e+05	192.66	0.16	-9370.98	0.0	9743.57	-366.45	-1.25	-1544.46	192.66	
7.507e+05												
		-9.710e+05	-232.88	-1.86e-04	0.0	340.8	1.038e+04	-9737.43	-1.25	-1544.46	-232.88	-
9.710e+05												
214	13	6.406e+05	1.480e+04	0.12	-6888.40	0.0	6147.85	-865.80	53.80	1.181e+05	-3539.98	
6.406e+05												
		-8.293e+05	-3539.98	0.01	0.0	340.8	6618.90	-7754.20	53.80	1.181e+05	1.480e+04	-
8.293e+05												
214	16	5.036e+05	3934.09	0.15	-6888.40	0.0	1.139e+04	395.87	-55.93	-1.197e+05	3934.09	
4.997e+05												
		-5.380e+05	-1.513e+04	-0.01	0.0	340.8	1.186e+04	-6492.53	-55.93	-1.197e+05	-1.513e+04	-
5.380e+05												
214	41	8.052e+05	824.69	0.10	-6888.40	0.0	124.58	-2326.16	6.68	2.661e+04	-2201.61	

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8.052e+05												
-1.165e+06	-2201.61	0.03	0.0	340.8	595.62	-9214.56	6.68	2.661e+04	824.69	-		
1.165e+06												
214	44 4.207e+05	2595.71	0.17	-6888.40	0.0	1.741e+04	1856.24	-8.81	-2.826e+04	2595.71		
3.351e+05												
-2.028e+05	-1157.24	-0.03	0.0	340.8	1.788e+04	-5032.16	-8.81	-2.826e+04	-1157.24	-		
2.028e+05												
214	45 6.204e+05	1.050e+04	0.13	-6888.40	0.0	6899.81	-684.97	38.05	8.393e+04	-2466.57		
6.204e+05												
-7.875e+05	-2466.57	7.87e-03	0.0	340.8	7370.86	-7573.37	38.05	8.393e+04	1.050e+04	-		
7.875e+05												
214	48 5.199e+05	2860.68	0.14	-6888.40	0.0	1.064e+04	215.05	-40.18	-8.558e+04	2860.68		
5.199e+05												
-5.798e+05	-1.083e+04	-7.76e-03	0.0	340.8	1.111e+04	-6673.35	-40.18	-8.558e+04	-1.083e+04	-		
5.798e+05												
214	73 7.379e+05	538.54	0.11	-6888.40	0.0	2605.04	-1726.72	4.45	1.873e+04	-1512.92		
7.379e+05												
-1.027e+06	-1512.92	0.02	0.0	340.8	3076.08	-8615.12	4.45	1.873e+04	538.54	-		
1.027e+06												
214	76 4.419e+05	1907.03	0.16	-6888.40	0.0	1.493e+04	1256.80	-6.58	-2.038e+04	1907.03		
4.024e+05												
-3.407e+05	-871.09	-0.02	0.0	340.8	1.540e+04	-5631.60	-6.58	-2.038e+04	-871.09	-		
3.407e+05												
214	78 7.246e+05	263.07	0.17	-9507.63	0.0	1.086e+04	-70.46	-1.47	-864.16	263.07		
7.246e+05												
-9.195e+05	-236.64	4.04e-05	0.0	340.8	1.151e+04	-9578.09	-1.47	-864.16	-236.64	-		
9.195e+05												
214	80 6.464e+05	433.65	0.15	-8198.01	0.0	9851.39	-144.39	-3.65	-8079.39	433.65		
6.464e+05												
-7.997e+05	-810.99	-2.17e-03	0.0	340.8	1.041e+04	-8342.40	-3.65	-8079.39	-810.99	-		
7.997e+05												
214	81 6.627e+05	189.99	0.15	-8198.01	0.0	8974.53	-315.58	-1.13	-1257.97	189.99		
6.627e+05												
-8.417e+05	-195.02	-1.03e-04	0.0	340.8	9535.13	-8513.59	-1.13	-1257.97	-195.02	-		
8.417e+05												
214	83 5.692e+05	199.93	0.13	-6888.40	0.0	8803.82	-226.34	-1.11	-838.97	199.93		
5.692e+05												
-6.817e+05	-179.27	4.64e-05	0.0	340.8	9274.87	-7114.74	-1.11	-838.97	-179.27	-		
6.817e+05												
214	84 6.013e+05	209.68	0.14	-7412.25	0.0	9179.13	-203.79	-1.14	-829.02	209.68		
6.013e+05												
-7.312e+05	-177.75	5.41e-05	0.0	340.8	9685.99	-7616.03	-1.14	-829.02	-177.75	-		
7.312e+05												
214	85 5.702e+05	197.05	0.13	-6888.40	0.0	8768.10	-234.96	-1.07	-823.98	197.05		
5.702e+05												
-6.837e+05	-166.28	5.55e-05	0.0	340.8	9239.15	-7123.36	-1.07	-823.98	-166.28	-		
6.837e+05												
214	86 5.702e+05	197.05	0.13	-6888.40	0.0	8768.10	-234.96	-1.07	-823.98	197.05		
5.702e+05												
-6.837e+05	-166.28	5.55e-05	0.0	340.8	9239.15	-7123.36	-1.07	-823.98	-166.28	-		
6.837e+05												
215	2 2.232e+06	4.12	0.96	-2153.75	0.0	11.82	0.0	-0.05	-12.24	4.12		
2.232e+06												
1.884e+06	-12.16	2.84e-05	0.0	322.5	11.82	-2153.75	-0.05	-12.24	-12.16			
1.884e+06												
215	3 2.971e+06	3.00	1.28	-2867.46	0.0	38.71	0.0	-0.03	-13.75	3.00		
2.971e+06												
2.509e+06	-8.04	2.98e-05	0.0	322.5	38.71	-2867.46	-0.03	-13.75	-8.04			
2.509e+06												
215	5 2.462e+06	-31.94	1.06	-2375.97	0.0	32.62	0.0	-1.17	-9.60	-31.94		
2.462e+06												
2.079e+06	-407.94	2.20e-03	0.0	322.5	32.62	-2375.97	-1.17	-9.60	-407.94			
2.079e+06												
215	8 2.232e+06	365.39	0.96	-2153.75	0.0	24.35	0.0	0.98	-13.85	49.25		
2.232e+06												
1.884e+06	49.25	-2.14e-03	0.0	322.5	24.35	-2153.75	0.98	-13.85	365.39			

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1.884e+06 215	9	2.462e+06	24.95	1.06	-2375.97	0.0	80.31	0.0	0.07	-16.34	1.64
2.462e+06		2.079e+06	1.64	4.70e-05	0.0	322.5	80.31	-2375.97	0.07	-16.34	24.95
2.079e+06 215	12	2.232e+06	7.16	0.96	-2153.75	0.0	-197.98	0.0	-0.20	-7.70	7.16
2.232e+06		1.884e+06	-58.40	4.56e-05	0.0	322.5	-197.98	-2153.75	-0.20	-7.70	-58.40
1.884e+06 215	18	1.364e+06	-174.88	0.59	-1355.08	0.0	-114.04	20.99	-7.45	32.51	-174.88
1.364e+06		1.152e+06	-2576.31	-9.40e-03	0.0	322.5	-114.04	-1334.10	-7.45	32.51	-2576.31
1.152e+06 215	19	1.444e+06	2562.79	0.62	-1355.08	0.0	138.50	-20.99	7.39	-51.07	180.08
1.444e+06		1.219e+06	180.08	9.44e-03	0.0	322.5	138.50	-1376.07	7.39	-51.07	2562.79
1.219e+06 215	30	1.325e+06	-35.31	0.57	-1355.08	0.0	-344.06	42.00	-2.80	54.15	-35.31
1.325e+06		1.120e+06	-953.47	0.04	0.0	322.5	-344.06	-1313.08	-2.80	54.15	-953.47
1.120e+06 215	31	1.483e+06	939.95	0.64	-1355.08	0.0	368.51	-42.00	2.74	-72.71	40.51
1.483e+06		1.251e+06	40.51	-0.04	0.0	322.5	368.51	-1397.09	2.74	-72.71	939.95
1.251e+06 215	42	1.328e+06	-30.68	0.58	-1355.08	0.0	-385.14	40.08	-2.65	22.80	-30.68
1.328e+06		1.123e+06	-890.06	-0.02	0.0	322.5	-385.14	-1315.00	-2.65	22.80	-890.06
1.123e+06 215	43	1.480e+06	876.54	0.64	-1355.08	0.0	409.60	-40.08	2.59	-41.37	35.88
1.480e+06		1.248e+06	35.88	0.02	0.0	322.5	409.60	-1395.16	2.59	-41.37	876.54
1.248e+06 215	50	1.376e+06	-123.81	0.60	-1355.08	0.0	-77.78	14.96	-5.32	20.50	-123.81
1.376e+06		1.162e+06	-1838.21	-6.70e-03	0.0	322.5	-77.78	-1340.12	-5.32	20.50	-1838.21
1.162e+06 215	51	1.432e+06	1824.69	0.62	-1355.08	0.0	102.23	-14.96	5.26	-39.06	129.01
1.432e+06		1.209e+06	129.01	6.73e-03	0.0	322.5	102.23	-1370.04	5.26	-39.06	1824.69
1.209e+06 215	62	1.347e+06	-24.32	0.58	-1355.08	0.0	-241.81	29.95	-2.01	35.94	-24.32
1.347e+06		1.139e+06	-681.54	0.03	0.0	322.5	-241.81	-1325.13	-2.01	35.94	-681.54
1.139e+06 215	63	1.461e+06	668.02	0.63	-1355.08	0.0	266.26	-29.95	1.95	-54.50	29.52
1.461e+06		1.233e+06	29.52	-0.03	0.0	322.5	266.26	-1385.03	1.95	-54.50	668.02
1.233e+06 215	74	1.350e+06	-21.07	0.58	-1355.08	0.0	-271.11	28.57	-1.90	13.59	-21.07
1.350e+06		1.141e+06	-636.30	-0.01	0.0	322.5	-271.11	-1326.51	-1.90	13.59	-636.30
1.141e+06 215	75	1.458e+06	622.78	0.63	-1355.08	0.0	295.56	-28.57	1.84	-32.16	26.27
1.458e+06		1.230e+06	26.27	0.01	0.0	322.5	295.56	-1383.65	1.84	-32.16	622.78
1.230e+06 215	77	1.744e+06	3.27	0.76	-1682.74	0.0	11.89	0.0	-0.04	-11.37	3.27
1.744e+06		1.472e+06	-10.58	2.13e-05	0.0	322.5	11.89	-1682.74	-0.04	-11.37	-10.58
1.472e+06 215	78	2.083e+06	2.21	0.90	-2010.40	0.0	27.41	0.0	-0.03	-10.46	2.21
2.083e+06		1.759e+06	-6.35	2.05e-05	0.0	322.5	27.41	-2010.40	-0.03	-10.46	-6.35
1.759e+06 215	79	1.744e+06	-21.08	0.75	-1682.74	0.0	23.35	0.0	-0.78	-7.68	-21.08

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1.744e+06										
	1.472e+06	-272.95	1.46e-03	0.0	322.5	23.35	-1682.74	-0.78	-7.68	-272.95
1.472e+06										
215	80 1.744e+06	241.12	0.75	-1682.74	0.0	20.25	0.0	0.64	-12.45	33.35
1.744e+06										
	1.472e+06	33.35	-1.43e-03	0.0	322.5	20.25	-1682.74	0.64	-12.45	241.12
1.472e+06										
215	81 1.744e+06	15.64	0.75	-1682.74	0.0	55.15	0.0	0.04	-12.18	1.30
1.744e+06										
	1.472e+06	1.30	3.18e-05	0.0	322.5	55.15	-1682.74	0.04	-12.18	15.64
1.472e+06										
215	82 1.744e+06	5.30	0.75	-1682.74	0.0	-127.98	0.0	-0.14	-8.35	5.30
1.744e+06										
	1.472e+06	-41.41	3.30e-05	0.0	322.5	-127.98	-1682.74	-0.14	-8.35	-41.41
1.472e+06										
215	83 1.404e+06	2.85	0.61	-1355.08	0.0	9.96	0.0	-0.03	-9.71	2.85
1.404e+06										
	1.186e+06	-7.91	1.79e-05	0.0	322.5	9.96	-1355.08	-0.03	-9.71	-7.91
1.186e+06										
215	84 1.540e+06	2.47	0.66	-1486.14	0.0	15.72	0.0	-0.03	-9.43	2.47
1.540e+06										
	1.300e+06	-6.45	1.78e-05	0.0	322.5	15.72	-1486.14	-0.03	-9.43	-6.45
1.300e+06										
215	86 1.404e+06	2.60	0.61	-1355.08	0.0	12.23	0.0	-0.03	-9.28	2.60
1.404e+06										
	1.186e+06	-6.76	1.72e-05	0.0	322.5	12.23	-1355.08	-0.03	-9.28	-6.76
1.186e+06										
216	3 2.509e+06	34.49	5.75	-4401.21	0.0	12.38	-2867.46	0.09	-13.75	-8.04
2.509e+06										
	0.0	-8.04	9.64e-05	0.0	495.0	12.38	-7268.67	0.09	-13.75	34.49 0.0
216	5 2.079e+06	647.64	4.76	-3646.83	0.0	7.47	-2375.97	2.13	-9.60	-407.94
2.079e+06										
	0.0	-407.94	-1.41e-03	0.0	495.0	7.47	-6022.80	2.13	-9.60	647.64 0.0
216	7 2.079e+06	363.16	4.76	-3646.83	0.0	5.43	-2375.97	-1.83	-16.75	363.16
2.079e+06										
	0.0	-542.65	1.18e-03	0.0	495.0	5.43	-6022.80	-1.83	-16.75	-542.65 0.0
216	8 1.884e+06	365.39	4.31	-3305.76	0.0	5.22	-2153.75	-1.85	-13.85	365.39
1.884e+06										
	0.0	-549.13	1.19e-03	0.0	495.0	5.22	-5459.51	-1.85	-13.85	-549.13 0.0
216	9 2.079e+06	24.95	4.76	-3646.83	0.0	142.73	-2375.97	-0.36	-16.34	24.95
2.079e+06										
	0.0	-151.06	-2.96e-04	0.0	495.0	142.73	-6022.80	-0.36	-16.34	-151.06 0.0
216	12 1.884e+06	288.91	4.31	-3305.76	0.0	-337.51	-2153.75	0.70	-7.70	-58.40
1.884e+06										
	0.0	-58.40	5.24e-04	0.0	495.0	-337.51	-5459.51	0.70	-7.70	288.91 0.0
216	18 1.152e+06	4902.99	2.65	-2079.89	0.0	-196.92	-1288.09	15.08	32.51	-2576.31
1.152e+06										
	0.0	-2576.31	-0.04	0.0	495.0	-196.92	-3367.98	15.08	32.51	4902.99 0.0
216	19 1.219e+06	2562.79	2.78	-2079.89	0.0	196.96	-1422.07	-14.97	-51.07	2562.79
1.219e+06										
	0.0	-4862.90	0.04	0.0	495.0	196.96	-3501.96	-14.97	-51.07	-4862.90 0.0
216	31 1.251e+06	939.95	2.85	-2079.89	0.0	536.52	-1488.18	-6.34	-72.71	939.95
1.251e+06										
	0.0	-2217.45	-0.06	0.0	495.0	536.52	-3568.07	-6.34	-72.71	-2217.45 0.0
216	42 1.123e+06	2545.45	2.59	-2079.89	0.0	-623.09	-1228.09	6.75	22.80	-890.06
1.123e+06										
	0.0	-890.06	-0.04	0.0	495.0	-623.09	-3307.98	6.75	22.80	2545.45 0.0
216	43 1.248e+06	876.54	2.84	-2079.89	0.0	623.13	-1482.08	-6.64	-41.37	876.54
1.248e+06										
	0.0	-2505.36	0.04	0.0	495.0	623.13	-3561.97	-6.64	-41.37	-2505.36 0.0
216	50 1.162e+06	3500.49	2.67	-2079.89	0.0	-140.32	-1307.32	10.76	20.50	-1838.21
1.162e+06										
	0.0	-1838.21	-0.03	0.0	495.0	-140.32	-3387.21	10.76	20.50	3500.49 0.0
216	51 1.209e+06	1824.69	2.76	-2079.89	0.0	140.37	-1402.84	-10.65	-39.06	1824.69
1.209e+06										
	0.0	-3460.40	0.03	0.0	495.0	140.37	-3482.73	-10.65	-39.06	-3460.40 0.0

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216	63	1.233e+06	668.02	2.81	-2079.89	0.0	382.52	-1449.97	-4.50	-54.50	668.02
1.233e+06		0.0	-1575.29	-0.04	0.0	495.0	382.52	-3529.87	-4.50	-54.50	-1575.29 0.0
216	74	1.141e+06	1820.37	2.63	-2079.89	0.0	-444.24	-1264.54	4.83	13.59	-636.30
1.141e+06		0.0	-636.30	-0.03	0.0	495.0	-444.24	-3344.43	4.83	13.59	1820.37 0.0
216	75	1.230e+06	622.78	2.80	-2079.89	0.0	444.28	-1445.62	-4.72	-32.16	622.78
1.230e+06		0.0	-1780.28	0.03	0.0	495.0	444.28	-3525.51	-4.72	-32.16	-1780.28 0.0
216	78	1.759e+06	25.87	4.03	-3085.73	0.0	8.35	-2010.40	0.07	-10.46	-6.35
1.759e+06		0.0	-6.35	6.29e-05	0.0	495.0	8.35	-5096.13	0.07	-10.46	25.87 0.0
216	79	1.472e+06	434.64	3.37	-2582.81	0.0	5.07	-1682.74	1.43	-7.68	-272.95
1.472e+06		0.0	-272.95	-9.45e-04	0.0	495.0	5.07	-4265.55	1.43	-7.68	434.64 0.0
216	80	1.472e+06	241.12	3.37	-2582.81	0.0	3.72	-1682.74	-1.21	-12.45	241.12
1.472e+06		0.0	-358.89	7.81e-04	0.0	495.0	3.72	-4265.55	-1.21	-12.45	-358.89 0.0
216	81	1.472e+06	15.64	3.37	-2582.81	0.0	95.25	-1682.74	-0.23	-12.18	15.64
1.472e+06		0.0	-97.83	-1.98e-04	0.0	495.0	95.25	-4265.55	-0.23	-12.18	-97.83 0.0
216	82	1.472e+06	199.81	3.38	-2582.81	0.0	-224.76	-1682.74	0.49	-8.35	-41.41
1.472e+06		0.0	-41.41	3.46e-04	0.0	495.0	-224.76	-4265.55	0.49	-8.35	199.81 0.0
216	83	1.186e+06	24.28	2.72	-2079.89	0.0	-2.87	-1355.08	0.07	-9.71	-7.91
1.186e+06		0.0	-7.91	-2.63e-05	0.0	495.0	-2.87	-3434.97	0.07	-9.71	24.28 0.0
216	84	1.300e+06	20.36	2.98	-2281.06	0.0	2.26	-1486.14	0.05	-9.43	-6.45
1.300e+06		0.0	-6.45	2.62e-05	0.0	495.0	2.26	-3767.20	0.05	-9.43	20.36 0.0
216	86	1.186e+06	20.05	2.72	-2079.89	0.0	0.02	-1355.08	0.05	-9.28	-6.76
1.186e+06		0.0	-6.76	-2.08e-05	0.0	495.0	0.02	-3434.97	0.05	-9.28	20.05 0.0
217	3	9823.47	0.0	-0.03	-1263.01	0.0	-818.62	0.0	-60.78	729.38	0.0
9823.47		-3.754e+04	-4558.61	1.42e-03	0.0	75.0	-818.62	-1263.01	-60.78	729.38	-4558.61 -
3.754e+04											
217	10	7298.01	7513.33	-0.04	-948.92	0.0	-608.17	0.0	100.18	-1202.13	0.0
7298.01		-2.829e+04	0.0	1.49e-03	0.0	75.0	-608.17	-948.92	100.18	-1202.13	7513.33 -
2.829e+04											
217	11	8879.08	0.0	-0.01	-1145.34	0.0	-739.92	0.0	-130.86	1570.27	0.0
8879.08		-3.407e+04	-9814.19	1.16e-03	0.0	75.0	-739.92	-1145.34	-130.86	1570.27	-9814.19 -
3.407e+04											
217	22	6720.56	0.0	0.03	-772.41	0.0	-560.05	-41.89	-766.16	9193.89	0.0
6720.56		-2.340e+04	-5.746e+04	7.26e-03	0.0	75.0	-560.05	-814.29	-766.16	9193.89	-5.746e+04 -
2.340e+04											
217	23	5140.57	5.366e+04	-0.07	-772.41	0.0	-428.38	41.89	715.50	-8585.95	0.0
5140.57		-2.267e+04	0.0	-5.71e-03	0.0	75.0	-428.38	-730.52	715.50	-8585.95	5.366e+04 -
2.267e+04											
217	29	8126.06	9867.30	-0.13	-772.41	0.0	-676.02	80.66	131.56	-1578.77	0.0
8126.06		-1.882e+04	0.0	-4.06e-03	0.0	75.0	-676.02	-691.75	131.56	-1578.77	9867.30 -
1.882e+04											
217	32	3748.85	0.0	0.09	-772.41	0.0	-312.40	-80.66	-182.23	2186.71	0.0
3748.85		-2.725e+04	-1.367e+04	5.61e-03	0.0	75.0	-312.40	-853.06	-182.23	2186.71	-1.367e+04 -
2.725e+04											
217	54	6489.99	0.0	0.02	-772.41	0.0	-540.83	-29.71	-553.55	6642.65	0.0
6489.99		-2.332e+04	-4.152e+04	5.40e-03	0.0	75.0	-540.83	-802.11	-553.55	6642.65	-4.152e+04 -
2.332e+04											
217	55	5371.13	3.772e+04	-0.06	-772.41	0.0	-447.59	29.71	502.89	-6034.71	0.0

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5371.13												
		-2.275e+04	0.0	-3.85e-03	0.0	75.0	-447.59	-742.70	502.89	-6034.71	3.772e+04	-
2.275e+04												
217	61	7493.79	6496.86	-0.10	-772.41	0.0	-624.48	57.75	86.62	-1039.50	0.0	
7493.79												
		-2.002e+04	0.0	-2.67e-03	0.0	75.0	-624.48	-714.66	86.62	-1039.50	6496.86	-
2.002e+04												
217	64	4367.33	0.0	0.06	-772.41	0.0	-363.94	-57.75	-137.29	1647.44	0.0	
4367.33												
		-2.605e+04	-1.030e+04	4.23e-03	0.0	75.0	-363.94	-830.15	-137.29	1647.44	-1.030e+04	-
2.605e+04												
217	78	7215.70	0.0	-0.02	-929.31	0.0	-601.31	0.0	-43.26	519.13	0.0	
7215.70												
		-2.763e+04	-3244.55	1.03e-03	0.0	75.0	-601.31	-929.31	-43.26	519.13	-3244.55	-
2.763e+04												
217	81	6532.15	4495.20	-0.03	-850.86	0.0	-544.35	0.0	59.94	-719.23	0.0	
6532.15												
		-2.537e+04	0.0	1.21e-03	0.0	75.0	-544.35	-850.86	59.94	-719.23	4495.20	-
2.537e+04												
217	82	6586.11	0.0	-0.01	-850.86	0.0	-548.84	0.0	-89.98	1079.72	0.0	
6586.11												
		-2.532e+04	-6748.27	8.57e-04	0.0	75.0	-548.84	-850.86	-89.98	1079.72	-6748.27	-
2.532e+04												
217	83	5930.49	0.0	-0.02	-772.41	0.0	-494.21	0.0	-27.29	327.52	0.0	
5930.49												
		-2.303e+04	-2046.97	8.03e-04	0.0	75.0	-494.21	-772.41	-27.29	327.52	-2046.97	-
2.303e+04												
217	84	6187.61	0.0	-0.02	-803.79	0.0	-515.63	0.0	-28.52	342.29	0.0	
6187.61												
		-2.395e+04	-2139.34	8.22e-04	0.0	75.0	-515.63	-803.79	-28.52	342.29	-2139.34	-
2.395e+04												
217	85	5930.56	0.0	-0.02	-772.41	0.0	-494.21	0.0	-25.33	303.97	0.0	
5930.56												
		-2.303e+04	-1899.83	7.76e-04	0.0	75.0	-494.21	-772.41	-25.33	303.97	-1899.83	-
2.303e+04												
217	86	5930.56	0.0	-0.02	-772.41	0.0	-494.21	0.0	-25.33	303.97	0.0	
5930.56												
		-2.303e+04	-1899.83	7.76e-04	0.0	75.0	-494.21	-772.41	-25.33	303.97	-1899.83	-
2.303e+04												
218	3	1.954e+04	0.0	-0.08	-2319.34	0.0	-1628.63	0.0	-103.66	1243.91	0.0	
1.954e+04												
		-6.743e+04	-7774.42	9.88e-04	0.0	75.0	-1628.63	-2319.34	-103.66	1243.91	-7774.42	-
6.743e+04												
218	5	1.762e+04	0.0	-0.07	-2087.36	0.0	-1468.43	0.0	-114.19	1370.30	0.0	
1.762e+04												
		-6.065e+04	-8564.40	1.46e-03	0.0	75.0	-1468.43	-2087.36	-114.19	1370.30	-8564.40	-
6.065e+04												
218	10	1.455e+04	0.0	-0.06	-1739.49	0.0	-1212.29	0.0	-97.61	1171.35	0.0	
1.455e+04												
		-5.068e+04	-7320.92	9.54e-04	0.0	75.0	-1212.29	-1739.49	-97.61	1171.35	-7320.92	-
5.068e+04												
218	22	1.293e+04	0.0	-0.03	-1391.53	0.0	-1077.91	-12.06	-451.86	5422.34	0.0	
1.293e+04												
		-3.894e+04	-3.389e+04	7.19e-03	0.0	75.0	-1077.91	-1403.59	-451.86	5422.34	-3.389e+04	-
3.894e+04												
218	23	1.050e+04	2.500e+04	-0.07	-1391.53	0.0	-875.14	12.06	333.28	-3999.40	0.0	
1.050e+04												
		-4.199e+04	0.0	-6.06e-03	0.0	75.0	-875.14	-1379.47	333.28	-3999.40	2.500e+04	-
4.199e+04												
218	30	1.366e+04	0.0	1.54e-03	-1391.53	0.0	-1138.11	-66.70	-326.19	3914.31	0.0	
1.366e+04												
		-3.681e+04	-2.446e+04	6.94e-03	0.0	75.0	-1138.11	-1458.23	-326.19	3914.31	-2.446e+04	-
3.681e+04												
218	31	9779.26	1.557e+04	-0.09	-1391.53	0.0	-814.94	66.70	207.61	-2491.37	0.0	
9779.26												
		-4.412e+04	0.0	-5.81e-03	0.0	75.0	-814.94	-1324.83	207.61	-2491.37	1.557e+04	-

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4.412e+04 218 9804.30	35	9804.30	1.969e+04	-0.09	-1391.53	0.0	-817.02	66.30	262.53	-3150.34	0.0	
		-4.412e+04	0.0	-6.57e-03	0.0	75.0	-817.02	-1325.24	262.53	-3150.34	1.969e+04	-
4.412e+04 218 1.259e+04	54	1.259e+04	0.0	-0.03	-1391.53	0.0	-1048.87	-8.71	-339.19	4070.33	0.0	
		-3.937e+04	-2.544e+04	5.29e-03	0.0	75.0	-1048.87	-1400.24	-339.19	4070.33	-2.544e+04	-
3.937e+04 218 1.085e+04	55	1.085e+04	1.655e+04	-0.06	-1391.53	0.0	-904.18	8.71	220.62	-2647.39	0.0	
		-4.155e+04	0.0	-4.16e-03	0.0	75.0	-904.18	-1382.82	220.62	-2647.39	1.655e+04	-
4.155e+04 218 1.310e+04	62	1.310e+04	0.0	-0.01	-1391.53	0.0	-1092.00	-47.78	-249.61	2995.30	0.0	
		-3.785e+04	-1.872e+04	5.11e-03	0.0	75.0	-1092.00	-1439.31	-249.61	2995.30	-1.872e+04	-
3.785e+04 218 1.033e+04	63	1.033e+04	9827.25	-0.08	-1391.53	0.0	-861.04	47.78	131.03	-1572.36	0.0	
		-4.308e+04	0.0	-3.98e-03	0.0	75.0	-861.04	-1343.75	131.03	-1572.36	9827.25	-
4.308e+04 218 1.035e+04	67	1.035e+04	1.276e+04	-0.08	-1391.53	0.0	-862.53	47.50	170.18	-2042.21	0.0	
		-4.308e+04	0.0	-4.52e-03	0.0	75.0	-862.53	-1344.04	170.18	-2042.21	1.276e+04	-
4.308e+04 218 1.433e+04	78	1.433e+04	0.0	-0.06	-1700.83	0.0	-1194.27	0.0	-75.61	907.35	0.0	
		-4.945e+04	-5670.93	7.22e-04	0.0	75.0	-1194.27	-1700.83	-75.61	907.35	-5670.93	-
4.945e+04 218 1.305e+04	79	1.305e+04	0.0	-0.05	-1546.18	0.0	-1087.46	0.0	-82.63	991.61	0.0	
		-4.493e+04	-6197.59	1.03e-03	0.0	75.0	-1087.46	-1546.18	-82.63	991.61	-6197.59	-
4.493e+04 218 1.295e+04	81	1.295e+04	0.0	-0.05	-1546.18	0.0	-1079.47	0.0	-81.34	976.09	0.0	
		-4.503e+04	-6100.58	7.94e-04	0.0	75.0	-1079.47	-1546.18	-81.34	976.09	-6100.58	-
4.503e+04 218 1.171e+04	83	1.171e+04	0.0	-0.05	-1391.53	0.0	-975.61	0.0	-60.74	728.86	0.0	
		-4.048e+04	-4555.35	5.85e-04	0.0	75.0	-975.61	-1391.53	-60.74	728.86	-4555.35	-
4.048e+04 218 1.224e+04	84	1.224e+04	0.0	-0.05	-1453.39	0.0	-1020.26	0.0	-62.26	747.17	0.0	
		-4.226e+04	-4669.81	5.92e-04	0.0	75.0	-1020.26	-1453.39	-62.26	747.17	-4669.81	-
4.226e+04 218 1.172e+04	86	1.172e+04	0.0	-0.05	-1391.53	0.0	-976.52	0.0	-59.29	711.47	0.0	
		-4.046e+04	-4446.70	5.65e-04	0.0	75.0	-976.52	-1391.53	-59.29	711.47	-4446.70	-
4.046e+04 219 1.975e+04	3	1.975e+04	0.0	-0.09	-2288.14	0.0	-1646.21	0.0	-3.94	47.22	0.0	
		-6.605e+04	-295.14	1.25e-04	0.0	75.0	-1646.21	-2288.15	-3.94	47.22	-295.14	-
6.605e+04 219 1.481e+04	6	1.481e+04	0.0	-0.06	-1716.15	0.0	-1233.75	0.0	-21.86	262.32	0.0	
		-4.955e+04	-1639.50	6.91e-04	0.0	75.0	-1233.75	-1716.15	-21.86	262.32	-1639.50	-
4.955e+04 219 1.778e+04	7	1.778e+04	1221.30	-0.08	-2059.55	0.0	-1481.37	0.0	16.28	-195.41	0.0	
		-5.946e+04	0.0	-5.06e-04	0.0	75.0	-1481.37	-2059.55	16.28	-195.41	1221.30	-
5.946e+04 219 1.455e+04	10	1.455e+04	0.0	-0.07	-1716.15	0.0	-1212.57	0.0	-5.97	71.62	0.0	
		-4.980e+04	-447.62	2.24e-04	0.0	75.0	-1212.57	-1716.15	-5.97	71.62	-447.62	-
4.980e+04 219	25	1.131e+04	0.0	-0.06	-1373.25	0.0	-942.73	17.50	-395.38	4744.59	0.0	

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1.131e+04												
	-4.057e+04	-2.965e+04	7.10e-03	0.0	75.0	-942.73	-1355.75	-395.38	4744.59	-2.965e+04	-	
4.057e+04												
219	28	1.247e+04	2.958e+04	-0.04	-1373.25	0.0	-1038.84	-17.50	394.43	-4733.10	0.0	
1.247e+04												
	-3.864e+04	0.0	-7.00e-03	0.0	75.0	-1038.84	-1390.75	394.43	-4733.10	2.958e+04	-	
3.864e+04												
219	29	1.044e+04	7456.61	-0.08	-1373.25	0.0	-870.25	-51.24	99.42	-1193.06	0.0	
1.044e+04												
	-4.248e+04	0.0	-4.47e-03	0.0	75.0	-870.25	-1424.49	99.42	-1193.06	7456.61	-	
4.248e+04												
219	33	1.044e+04	3679.32	-0.08	-1373.25	0.0	-869.70	-50.95	49.06	-588.69	0.0	
1.044e+04												
	-4.246e+04	0.0	-3.74e-03	0.0	75.0	-869.70	-1424.20	49.06	-588.69	3679.32	-	
4.246e+04												
219	36	1.334e+04	0.0	-0.02	-1373.25	0.0	-1111.87	50.95	-50.01	600.18	0.0	
1.334e+04												
	-3.675e+04	-3751.11	3.84e-03	0.0	75.0	-1111.87	-1322.30	-50.01	600.18	-3751.11	-	
3.675e+04												
219	57	1.148e+04	0.0	-0.06	-1373.25	0.0	-956.53	12.51	-282.05	3384.57	0.0	
1.148e+04												
	-4.030e+04	-2.115e+04	5.08e-03	0.0	75.0	-956.53	-1360.74	-282.05	3384.57	-2.115e+04	-	
4.030e+04												
219	60	1.230e+04	2.108e+04	-0.04	-1373.25	0.0	-1025.04	-12.51	281.09	-3373.08	0.0	
1.230e+04												
	-3.892e+04	0.0	-4.97e-03	0.0	75.0	-1025.04	-1385.76	281.09	-3373.08	2.108e+04	-	
3.892e+04												
219	61	1.086e+04	5306.37	-0.07	-1373.25	0.0	-904.88	-36.66	70.75	-849.02	0.0	
1.086e+04												
	-4.167e+04	0.0	-3.17e-03	0.0	75.0	-904.88	-1409.91	70.75	-849.02	5306.37	-	
4.167e+04												
219	65	1.085e+04	2613.21	-0.07	-1373.25	0.0	-904.48	-36.45	34.84	-418.11	0.0	
1.085e+04												
	-4.166e+04	0.0	-2.65e-03	0.0	75.0	-904.48	-1409.70	34.84	-418.11	2613.21	-	
4.166e+04												
219	68	1.293e+04	0.0	-0.03	-1373.25	0.0	-1077.09	36.45	-35.80	429.60	0.0	
1.293e+04												
	-3.756e+04	-2685.00	2.75e-03	0.0	75.0	-1077.09	-1336.80	-35.80	429.60	-2685.00	-	
3.756e+04												
219	78	1.449e+04	0.0	-0.06	-1678.05	0.0	-1207.69	0.0	-2.61	31.35	0.0	
1.449e+04												
	-4.843e+04	-195.96	8.84e-05	0.0	75.0	-1207.69	-1678.05	-2.61	31.35	-195.96	-	
4.843e+04												
219	79	1.318e+04	0.0	-0.06	-1525.65	0.0	-1098.06	0.0	-14.55	174.56	0.0	
1.318e+04												
	-4.404e+04	-1091.00	4.74e-04	0.0	75.0	-1098.06	-1525.65	-14.55	174.56	-1091.00	-	
4.404e+04												
219	80	1.317e+04	815.00	-0.06	-1525.65	0.0	-1097.81	0.0	10.87	-130.40	0.0	
1.317e+04												
	-4.404e+04	0.0	-3.32e-04	0.0	75.0	-1097.81	-1525.65	10.87	-130.40	815.00	-	
4.404e+04												
219	81	1.301e+04	0.0	-0.06	-1525.65	0.0	-1083.94	0.0	-3.95	47.43	0.0	
1.301e+04												
	-4.420e+04	-296.41	1.62e-04	0.0	75.0	-1083.94	-1525.65	-3.95	47.43	-296.41	-	
4.420e+04												
219	83	1.188e+04	0.0	-0.05	-1373.25	0.0	-989.65	0.0	-0.74	8.88	0.0	
1.188e+04												
	-3.962e+04	-55.50	6.00e-05	0.0	75.0	-989.65	-1373.25	-0.74	8.88	-55.50	-	
3.962e+04												
219	84	1.241e+04	0.0	-0.05	-1434.21	0.0	-1034.39	0.0	-0.85	10.24	0.0	
1.241e+04												
	-4.137e+04	-63.99	5.88e-05	0.0	75.0	-1034.39	-1434.21	-0.85	10.24	-63.99	-	
4.137e+04												
219	86	1.189e+04	0.0	-0.05	-1373.25	0.0	-990.78	0.0	-0.48	5.74	0.0	
1.189e+04												
	-3.961e+04	-35.90	5.31e-05	0.0	75.0	-990.78	-1373.25	-0.48	5.74	-35.90	-	

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3.961e+04 220	3	1.975e+04	295.14	-0.09	-2288.14	0.0	-1646.21	0.0	3.94	-47.22	0.0	
1.975e+04		-6.605e+04	0.0	-1.25e-04	0.0	75.0	-1646.21	-2288.15	3.94	-47.22	295.14	-
6.605e+04 220	5	1.778e+04	0.0	-0.08	-2059.55	0.0	-1481.37	0.0	-16.28	195.41	0.0	
1.778e+04		-5.946e+04	-1221.30	5.06e-04	0.0	75.0	-1481.37	-2059.55	-16.28	195.41	-1221.30	-
5.946e+04 220	8	1.481e+04	1639.50	-0.06	-1716.15	0.0	-1233.75	0.0	21.86	-262.32	0.0	
1.481e+04		-4.955e+04	0.0	-6.91e-04	0.0	75.0	-1233.75	-1716.15	21.86	-262.32	1639.50	-
4.955e+04 220	10	1.455e+04	447.62	-0.07	-1716.15	0.0	-1212.57	0.0	5.97	-71.62	0.0	
1.455e+04		-4.980e+04	0.0	-2.24e-04	0.0	75.0	-1212.57	-1716.15	5.97	-71.62	447.62	-
4.980e+04 220	22	1.247e+04	0.0	-0.04	-1373.25	0.0	-1038.84	-13.30	-394.43	4733.10	0.0	
1.247e+04		-3.864e+04	-2.958e+04	7.00e-03	0.0	75.0	-1038.84	-1386.55	-394.43	4733.10	-2.958e+04	-
3.864e+04 220	23	1.131e+04	2.965e+04	-0.06	-1373.25	0.0	-942.73	13.30	395.38	-4744.59	0.0	
1.131e+04		-4.057e+04	0.0	-7.10e-03	0.0	75.0	-942.73	-1359.95	395.38	-4744.59	2.965e+04	-
4.057e+04 220	39	1.044e+04	0.0	-0.08	-1373.25	0.0	-870.25	51.24	-99.42	1193.06	0.0	
1.044e+04		-4.248e+04	-7456.61	4.47e-03	0.0	75.0	-870.25	-1322.01	-99.42	1193.06	-7456.61	-
4.248e+04 220	42	1.334e+04	3751.11	-0.02	-1373.25	0.0	-1111.87	-50.95	50.01	-600.18	0.0	
1.334e+04		-3.675e+04	0.0	-3.84e-03	0.0	75.0	-1111.87	-1424.20	50.01	-600.18	3751.11	-
3.675e+04 220	43	1.044e+04	0.0	-0.08	-1373.25	0.0	-869.70	50.95	-49.06	588.69	0.0	
1.044e+04		-4.246e+04	-3679.32	3.74e-03	0.0	75.0	-869.70	-1322.30	-49.06	588.69	-3679.32	-
4.246e+04 220	54	1.230e+04	0.0	-0.04	-1373.25	0.0	-1025.04	-9.52	-281.09	3373.08	0.0	
1.230e+04		-3.892e+04	-2.108e+04	4.97e-03	0.0	75.0	-1025.04	-1382.77	-281.09	3373.08	-2.108e+04	-
3.892e+04 220	55	1.148e+04	2.115e+04	-0.06	-1373.25	0.0	-956.53	9.52	282.05	-3384.57	0.0	
1.148e+04		-4.030e+04	0.0	-5.08e-03	0.0	75.0	-956.53	-1363.73	282.05	-3384.57	2.115e+04	-
4.030e+04 220	71	1.086e+04	0.0	-0.07	-1373.25	0.0	-904.88	36.66	-70.75	849.02	0.0	
1.086e+04		-4.167e+04	-5306.37	3.17e-03	0.0	75.0	-904.88	-1336.59	-70.75	849.02	-5306.37	-
4.167e+04 220	74	1.293e+04	2685.00	-0.03	-1373.25	0.0	-1077.09	-36.45	35.80	-429.60	0.0	
1.293e+04		-3.756e+04	0.0	-2.75e-03	0.0	75.0	-1077.09	-1409.70	35.80	-429.60	2685.00	-
3.756e+04 220	75	1.085e+04	0.0	-0.07	-1373.25	0.0	-904.48	36.45	-34.84	418.11	0.0	
1.085e+04		-4.166e+04	-2613.21	2.65e-03	0.0	75.0	-904.48	-1336.80	-34.84	418.11	-2613.21	-
4.166e+04 220	78	1.449e+04	195.96	-0.06	-1678.05	0.0	-1207.69	0.0	2.61	-31.35	0.0	
1.449e+04		-4.843e+04	0.0	-8.84e-05	0.0	75.0	-1207.69	-1678.05	2.61	-31.35	195.96	-
4.843e+04 220	79	1.317e+04	0.0	-0.06	-1525.65	0.0	-1097.81	0.0	-10.87	130.40	0.0	
1.317e+04		-4.404e+04	-815.00	3.32e-04	0.0	75.0	-1097.81	-1525.65	-10.87	130.40	-815.00	-
4.404e+04 220	80	1.318e+04	1091.00	-0.06	-1525.65	0.0	-1098.06	0.0	14.55	-174.56	0.0	

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1.318e+04												
	-4.404e+04	0.0	-4.74e-04	0.0	75.0	-1098.06	-1525.65	14.55	-174.56	1091.00	-	
4.404e+04												
220	81 1.301e+04	296.41	-0.06	-1525.65	0.0	-1083.94	0.0	3.95	-47.43	0.0	-	
1.301e+04												
	-4.420e+04	0.0	-1.62e-04	0.0	75.0	-1083.94	-1525.65	3.95	-47.43	296.41	-	
4.420e+04												
220	83 1.188e+04	55.50	-0.05	-1373.25	0.0	-989.65	0.0	0.74	-8.88	0.0	-	
1.188e+04												
	-3.962e+04	0.0	-6.00e-05	0.0	75.0	-989.65	-1373.25	0.74	-8.88	55.50	-	
3.962e+04												
220	84 1.241e+04	63.99	-0.05	-1434.21	0.0	-1034.39	0.0	0.85	-10.24	0.0	-	
1.241e+04												
	-4.137e+04	0.0	-5.88e-05	0.0	75.0	-1034.39	-1434.21	0.85	-10.24	63.99	-	
4.137e+04												
220	86 1.189e+04	35.90	-0.05	-1373.25	0.0	-990.78	0.0	0.48	-5.74	0.0	-	
1.189e+04												
	-3.961e+04	0.0	-5.31e-05	0.0	75.0	-990.78	-1373.25	0.48	-5.74	35.90	-	
3.961e+04												
221	3 1.954e+04	7774.42	-0.08	-2319.34	0.0	-1628.63	0.0	103.66	-1243.91	0.0	-	
1.954e+04												
	-6.743e+04	0.0	-9.88e-04	0.0	75.0	-1628.63	-2319.34	103.66	-1243.91	7774.42	-	
6.743e+04												
221	7 1.762e+04	8564.40	-0.07	-2087.36	0.0	-1468.43	0.0	114.19	-1370.30	0.0	-	
1.762e+04												
	-6.065e+04	0.0	-1.46e-03	0.0	75.0	-1468.43	-2087.36	114.19	-1370.30	8564.40	-	
6.065e+04												
221	10 1.455e+04	7320.92	-0.06	-1739.49	0.0	-1212.29	0.0	97.61	-1171.35	0.0	-	
1.455e+04												
	-5.068e+04	0.0	-9.54e-04	0.0	75.0	-1212.29	-1739.49	97.61	-1171.35	7320.92	-	
5.068e+04												
221	25 1.050e+04	0.0	-0.07	-1391.53	0.0	-875.14	12.06	-333.28	3999.40	0.0	-	
1.050e+04												
	-4.199e+04 -2.500e+04	6.06e-03	0.0	75.0	-875.14	-1379.47	-333.28	3999.40	-2.500e+04	-		
4.199e+04												
221	28 1.293e+04 3.389e+04	-0.03	-1391.53	0.0	-1077.91	-12.06	451.86	-5422.34	0.0	-		
1.293e+04												
	-3.894e+04	0.0	-7.19e-03	0.0	75.0	-1077.91	-1403.59	451.86	-5422.34	3.389e+04	-	
3.894e+04												
221	37 9779.26	0.0	-0.09	-1391.53	0.0	-814.94	66.70	-207.61	2491.37	0.0	-	
9779.26												
	-4.412e+04 -1.557e+04	5.81e-03	0.0	75.0	-814.94	-1324.83	-207.61	2491.37	-1.557e+04	-		
4.412e+04												
221	40 1.366e+04 2.446e+04	1.54e-03	-1391.53	0.0	-1138.11	-66.70	326.19	-3914.31	0.0	-		
1.366e+04												
	-3.681e+04	0.0	-6.94e-03	0.0	75.0	-1138.11	-1458.23	326.19	-3914.31	2.446e+04	-	
3.681e+04												
221	41 9804.30	0.0	-0.09	-1391.53	0.0	-817.02	66.30	-262.53	3150.34	0.0	-	
9804.30												
	-4.412e+04 -1.969e+04	6.57e-03	0.0	75.0	-817.02	-1325.24	-262.53	3150.34	-1.969e+04	-		
4.412e+04												
221	57 1.085e+04	0.0	-0.06	-1391.53	0.0	-904.18	8.71	-220.62	2647.39	0.0	-	
1.085e+04												
	-4.155e+04 -1.655e+04	4.16e-03	0.0	75.0	-904.18	-1382.82	-220.62	2647.39	-1.655e+04	-		
4.155e+04												
221	60 1.259e+04 2.544e+04	-0.03	-1391.53	0.0	-1048.87	-8.71	339.19	-4070.33	0.0	-		
1.259e+04												
	-3.937e+04	0.0	-5.29e-03	0.0	75.0	-1048.87	-1400.24	339.19	-4070.33	2.544e+04	-	
3.937e+04												
221	69 1.033e+04	0.0	-0.08	-1391.53	0.0	-861.04	47.78	-131.03	1572.36	0.0	-	
1.033e+04												
	-4.308e+04	-9827.25	3.98e-03	0.0	75.0	-861.04	-1343.75	-131.03	1572.36	-9827.25	-	
4.308e+04												
221	72 1.310e+04 1.872e+04	-0.01	-1391.53	0.0	-1092.00	-47.78	249.61	-2995.30	0.0	-		
1.310e+04												
	-3.785e+04	0.0	-5.11e-03	0.0	75.0	-1092.00	-1439.31	249.61	-2995.30	1.872e+04	-	

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3.785e+04 221	73	1.035e+04	0.0	-0.08	-1391.53	0.0	-862.53	47.50	-170.18	2042.21	0.0	
1.035e+04		-4.308e+04	-1.276e+04	4.52e-03	0.0	75.0	-862.53	-1344.04	-170.18	2042.21	-1.276e+04	-
4.308e+04 221	78	1.433e+04	5670.93	-0.06	-1700.83	0.0	-1194.27	0.0	75.61	-907.35	0.0	
1.433e+04		-4.945e+04	0.0	-7.22e-04	0.0	75.0	-1194.27	-1700.83	75.61	-907.35	5670.93	-
4.945e+04 221	80	1.305e+04	6197.59	-0.05	-1546.18	0.0	-1087.46	0.0	82.63	-991.61	0.0	
1.305e+04		-4.493e+04	0.0	-1.03e-03	0.0	75.0	-1087.46	-1546.18	82.63	-991.61	6197.59	-
4.493e+04 221	81	1.295e+04	6100.58	-0.05	-1546.18	0.0	-1079.47	0.0	81.34	-976.09	0.0	
1.295e+04		-4.503e+04	0.0	-7.94e-04	0.0	75.0	-1079.47	-1546.18	81.34	-976.09	6100.58	-
4.503e+04 221	83	1.171e+04	4555.35	-0.05	-1391.53	0.0	-975.61	0.0	60.74	-728.86	0.0	
1.171e+04		-4.048e+04	0.0	-5.85e-04	0.0	75.0	-975.61	-1391.53	60.74	-728.86	4555.35	-
4.048e+04 221	84	1.224e+04	4669.81	-0.05	-1453.39	0.0	-1020.26	0.0	62.26	-747.17	0.0	
1.224e+04		-4.226e+04	0.0	-5.92e-04	0.0	75.0	-1020.26	-1453.39	62.26	-747.17	4669.81	-
4.226e+04 221	86	1.172e+04	4446.70	-0.05	-1391.53	0.0	-976.52	0.0	59.29	-711.47	0.0	
1.172e+04		-4.046e+04	0.0	-5.65e-04	0.0	75.0	-976.52	-1391.53	59.29	-711.47	4446.70	-
4.046e+04 222	3	9823.47	4558.61	-0.03	-1263.01	0.0	-818.62	0.0	60.78	-729.38	0.0	
9823.47		-3.754e+04	0.0	-1.42e-03	0.0	75.0	-818.62	-1263.01	60.78	-729.38	4558.61	-
3.754e+04 222	10	7298.01	0.0	-0.04	-948.92	0.0	-608.17	0.0	-100.18	1202.13	0.0	
7298.01		-2.829e+04	-7513.33	-1.49e-03	0.0	75.0	-608.17	-948.92	-100.18	1202.13	-7513.33	-
2.829e+04 222	11	8879.08	9814.19	-0.01	-1145.34	0.0	-739.92	0.0	130.86	-1570.27	0.0	
8879.08		-3.407e+04	0.0	-1.16e-03	0.0	75.0	-739.92	-1145.34	130.86	-1570.27	9814.19	-
3.407e+04 222	25	5140.57	0.0	-0.07	-772.41	0.0	-428.38	2.93	-715.50	8585.95	0.0	
5140.57		-2.267e+04	-5.366e+04	5.71e-03	0.0	75.0	-428.38	-769.48	-715.50	8585.95	-5.366e+04	-
2.267e+04 222	28	6720.56	5.746e+04	0.03	-772.41	0.0	-560.05	-2.93	766.16	-9193.89	0.0	
6720.56		-2.340e+04	0.0	-7.26e-03	0.0	75.0	-560.05	-775.33	766.16	-9193.89	5.746e+04	-
2.340e+04 222	38	3748.85	1.367e+04	0.09	-772.41	0.0	-312.40	-68.72	182.23	-2186.71	0.0	
3748.85		-2.725e+04	0.0	-5.61e-03	0.0	75.0	-312.40	-841.13	182.23	-2186.71	1.367e+04	-
2.725e+04 222	39	8126.06	0.0	-0.13	-772.41	0.0	-676.02	68.72	-131.56	1578.77	0.0	
8126.28		-1.882e+04	-9867.30	4.06e-03	0.0	75.0	-676.02	-703.69	-131.56	1578.77	-9867.30	-
1.882e+04 222	57	5371.13	0.0	-0.06	-772.41	0.0	-447.59	2.42	-502.89	6034.71	0.0	
5371.13		-2.275e+04	-3.772e+04	3.85e-03	0.0	75.0	-447.59	-769.99	-502.89	6034.71	-3.772e+04	-
2.275e+04 222	60	6489.99	4.152e+04	0.02	-772.41	0.0	-540.83	-2.42	553.55	-6642.65	0.0	
6489.99		-2.332e+04	0.0	-5.40e-03	0.0	75.0	-540.83	-774.83	553.55	-6642.65	4.152e+04	-
2.332e+04 222	70	4367.33	1.030e+04	0.06	-772.41	0.0	-363.94	-49.35	137.29	-1647.44	0.0	

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4367.33													
2.605e+04		-2.605e+04	0.0	-4.23e-03	0.0	75.0	-363.94	-821.75	137.29	-1647.44	1.030e+04	-	
222	71	7493.79	0.0	-0.10	-772.41	0.0	-624.48	49.35	-86.62	1039.50	0.0		
7493.79													
2.002e+04		-2.002e+04	-6496.86	2.67e-03	0.0	75.0	-624.48	-723.06	-86.62	1039.50	-6496.86	-	
222	78	7215.70	3244.55	-0.02	-929.31	0.0	-601.31	0.0	43.26	-519.13	0.0		
7215.70													
2.763e+04		-2.763e+04	0.0	-1.03e-03	0.0	75.0	-601.31	-929.31	43.26	-519.13	3244.55	-	
222	81	6532.15	0.0	-0.03	-850.86	0.0	-544.35	0.0	-59.94	719.23	0.0		
6532.15													
2.537e+04		-2.537e+04	-4495.20	-1.21e-03	0.0	75.0	-544.35	-850.86	-59.94	719.23	-4495.20	-	
222	82	6586.11	6748.27	-0.01	-850.86	0.0	-548.84	0.0	89.98	-1079.72	0.0		
6586.11													
2.532e+04		-2.532e+04	0.0	-8.57e-04	0.0	75.0	-548.84	-850.86	89.98	-1079.72	6748.27	-	
222	83	5930.49	2046.97	-0.02	-772.41	0.0	-494.21	0.0	27.29	-327.52	0.0		
5930.49													
2.303e+04		-2.303e+04	0.0	-8.03e-04	0.0	75.0	-494.21	-772.41	27.29	-327.52	2046.97	-	
222	84	6187.61	2139.34	-0.02	-803.79	0.0	-515.63	0.0	28.52	-342.29	0.0		
6187.61													
2.395e+04		-2.395e+04	0.0	-8.22e-04	0.0	75.0	-515.63	-803.79	28.52	-342.29	2139.34	-	
222	86	5930.56	1899.83	-0.02	-772.41	0.0	-494.21	0.0	25.33	-303.97	0.0		
5930.56													
2.303e+04		-2.303e+04	0.0	-7.76e-04	0.0	75.0	-494.21	-772.41	25.33	-303.97	1899.83	-	
Trave		M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3		N	V 2	V 3	T			
		-5.676e+06	-1.949e+05	-5.85	-1.676e+04		-2.520e+04	-1.562e+04	-1436.97	-9.114e+05			
		5.337e+06	1.949e+05	5.88	2103.72		2.927e+04	1.547e+04	1436.97	9.114e+05			
Trave f.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Pt	Pos.	N	V 2	V 3	T	M 2M 3		
daN cm		daN cm	daN cm	cm	daN/cm2	cm	daN	daN	daN	daN cm	daN cm		
1	5	8.168e+05	1.770e+05	0.01	-0.96	0.0	-205.62	-9154.30	-1111.67	-2.314e+05	1.770e+05		
8.168e+05													
3.080e+05		-4.640e+05	-1.763e+05	-5.21e-03		495.0	-205.62	7195.37	-315.71	-2.290e+05	-1.763e+05		
1	9	5.687e+05	5.216e+04	0.03	-1.01	0.0	-1682.81	-9582.33	-356.19	-1.917e+05	5.216e+04		
5.687e+05													
1.079e+05		-7.625e+05	-1.242e+05	-5.58e-03		495.0	-1682.81	8039.03	-356.19	-1.922e+05	-1.242e+05		
1	11	1.014e+06	2.033e+04	3.81e-03	-0.96	0.0	1341.00	-8878.07	-44.33	-1.575e+05	2.033e+04		
1.014e+06													
7.043e+05		-1.625e+05	-1610.46	-3.99e-03		495.0	1341.00	7584.14	-44.33	-1.566e+05	-1610.46		
1	12	8.746e+05	1.575e+04	4.70e-03	-0.82	0.0	1383.31	-7341.79	-10.65	-1.289e+05	1.575e+04		
8.746e+05													
6.454e+05		-8.883e+04	1.047e+04	-3.00e-03		495.0	1383.31	6364.06	-10.65	-1.277e+05	1.047e+04		
1	13	2.006e+06	1.996e+05	-0.27	-0.94	0.0	843.59	-5595.57	-899.49	-2.581e+05	1.996e+05		
1.743e+06													
2.006e+06		4.063e+05	-2.458e+05	3.10e-03		495.0	843.59	1.436e+04	-899.49	-2.495e+05	-2.458e+05		
1	17	2.265e+06	2.055e+05	-0.27	-0.94	0.0	368.95	-5449.33	-903.84	-2.705e+05	2.055e+05		
1.824e+06													
2.265e+06		5.715e+05	-2.423e+05	8.06e-03		495.0	368.95	1.397e+04	-903.84	-2.613e+05	-2.423e+05		
1	38	-1.445e+06	1297.10	-0.20	-0.71	0.0	1.374e+04	-8641.08	51.32	5.314e+04	-2.534e+04	-	
1.445e+06													
		-2.697e+06	-2.534e+04	-6.14e-03		495.0	1.374e+04	4109.15	51.32	6.035e+04	1297.10	-	

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1.626e+06														
1	39	2.642e+06	7.324e+04	0.22	-0.84	0.0	-1.406e+04	-4712.66	-366.42	-2.994e+05	7.324e+04			
2.642e+06		2.054e+06	-1.094e+05	-1.71e-03		495.0	-1.406e+04	6937.63	-366.42	-3.079e+05	-1.094e+05			
2.204e+06														
1	41	3.095e+06	1.595e+05	-0.21	-0.95	0.0	-1.174e+04	-4285.14	-714.35	-3.535e+05	1.595e+05			
2.927e+06		2.226e+06	-1.956e+05	7.68e-03		495.0	-1.174e+04	1.140e+04	-714.35	-3.553e+05	-1.956e+05			
3.095e+06														
1	44	-1.729e+06	8.751e+04	0.19	-0.64	0.0	1.142e+04	-9068.60	399.25	1.072e+05	-1.116e+05	-		
1.729e+06		-2.926e+06	-1.116e+05	-0.02		495.0	1.142e+04	-355.86	399.25	1.077e+05	8.751e+04	-		
2.518e+06														
1	45	1.514e+06	1.491e+05	-0.19	-0.87	0.0	556.33	-5902.57	-686.24	-2.192e+05	1.491e+05			
1.415e+06		1.984e+05	-1.907e+05	1.40e-03		495.0	556.33	1.182e+04	-686.24	-2.132e+05	-1.907e+05			
1.514e+06														
1	49	1.699e+06	1.533e+05	-0.19	-0.87	0.0	217.89	-5798.26	-689.34	-2.281e+05	1.533e+05			
1.472e+06		3.162e+05	-1.882e+05	4.70e-03		495.0	217.89	1.155e+04	-689.34	-2.216e+05	-1.882e+05			
1.699e+06														
1	69	2.296e+06	1.245e+05	-0.15	-0.88	0.0	-8225.50	-5014.46	-574.71	-2.858e+05	1.245e+05			
2.296e+06		1.446e+06	-1.609e+05	2.39e-03		495.0	-8225.50	9692.69	-574.71	-2.873e+05	-1.609e+05			
2.206e+06														
1	70	-8.585e+05	-1.121e+04	-0.14	-0.70	0.0	9755.15	-8088.81	-8.51	2600.17	-1.121e+04	-		
8.585e+05		-2.015e+06	-1.453e+04	-5.51e-03		495.0	9755.15	4504.28	-8.51	7551.84	-1.453e+04	-		
1.079e+06														
1	71	2.056e+06	5.912e+04	0.16	-0.80	0.0	-1.007e+04	-5264.93	-306.59	-2.488e+05	5.912e+04			
2.056e+06		1.378e+06	-9.354e+04	-2.35e-03		495.0	-1.007e+04	6542.50	-306.59	-2.551e+05	-9.354e+04			
1.656e+06														
1	76	-1.061e+06	4.686e+04	0.13	-0.65	0.0	8099.65	-8393.55	239.30	4.107e+04	-7.267e+04	-		
1.061e+06		-2.172e+06	-7.267e+04	-0.01		495.0	8099.65	1320.98	239.30	4.122e+04	4.686e+04	-		
1.714e+06														
1	79	6.064e+05	1.200e+05	7.09e-03	-0.71	0.0	-155.88	-6785.65	-756.08	-1.670e+05	1.200e+05			
6.064e+05		-3.421e+05	-1.229e+05	-3.92e-03		495.0	-155.88	5339.17	-225.44	-1.655e+05	-1.229e+05			
2.315e+05														
1	81	4.410e+05	3.681e+04	0.02	-0.74	0.0	-1140.68	-7071.01	-252.43	-1.405e+05	3.681e+04			
4.410e+05		-5.411e+05	-8.814e+04	-4.16e-03		495.0	-1140.68	5901.61	-252.43	-1.410e+05	-8.814e+04			
9.811e+04														
1	82	7.377e+05	1.559e+04	-2.17e-03	-0.70	0.0	875.19	-6601.50	-44.52	-1.177e+05	1.559e+04			
7.377e+05		-1.411e+05	-6444.57	-3.10e-03		495.0	875.19	5598.36	-44.52	-1.173e+05	-6444.57			
4.957e+05														
1	83	6.205e+05	3.162e+04	8.29e-03	-0.71	0.0	-5.69	-6726.05	-197.16	-1.348e+05	3.162e+04			
6.205e+05		-3.124e+05	-6.598e+04	-3.77e-03		495.0	-5.69	5411.99	-197.16	-1.351e+05	-6.598e+04			
2.753e+05														
1	84	5.876e+05	2.210e+04	0.01	-0.70	0.0	-216.07	-6724.28	-147.96	-1.202e+05	2.210e+04			
5.876e+05		-3.289e+05	-5.114e+04	-3.91e-03		495.0	-216.07	5660.49	-147.96	-1.208e+05	-5.114e+04			
2.983e+05														
1	86	5.987e+05	2.395e+04	0.01	-0.70	0.0	-156.67	-6676.87	-157.55	-1.231e+05	2.395e+04			
5.987e+05		-3.182e+05	-5.404e+04	-3.93e-03		495.0	-156.67	5523.39	-157.55	-1.238e+05	-5.404e+04			
2.887e+05														
2	7	1.458e+06	-3732.79	3.93e-03	-0.97	0.0	-921.96	-1.453e+04	-2.06	4194.05	-3732.79			
1.032e+06		-7.024e+05	-4778.23	-1.02e-03		508.0	-921.96	1.619e+04	-2.06	4750.49	-4778.23			
1.458e+06														
2	9	1.206e+06	4386.20	4.48e-03	-0.98	0.0	-2324.44	-1.549e+04	204.22	316.91	-2.155e+04			

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1.206e+06													
		-7.579e+05	-2.155e+04	2.69e-05		508.0	-2324.44	1.549e+04	-204.22	-316.91	-2.155e+04		
1.206e+06													
2	11	1.266e+06	2.931e+04	3.48e-03	-0.97	0.0	494.38	-1.515e+04	-408.43	-1292.24	2.931e+04		
1.266e+06													
		-6.546e+05	-2.256e+04	3.36e-04		508.0	494.38	1.515e+04	408.43	1292.24	2.931e+04		
1.266e+06													
2	12	1.138e+06	2.935e+04	2.81e-03	-0.83	0.0	947.55	-1.332e+04	-408.43	-1139.31	2.935e+04		
1.138e+06													
		-5.514e+05	-2.253e+04	3.35e-04		508.0	947.55	1.332e+04	408.43	1139.31	2.935e+04		
1.138e+06													
2	22	2.728e+06	8.521e+04	-0.02	-0.68	0.0	3208.06	-2597.22	340.58	-3.928e+04	-8.804e+04		
2.623e+06													
		-6.450e+05	-8.804e+04	0.02		508.0	3208.06	1.761e+04	340.58	-3.767e+04	8.521e+04		
2.728e+06													
2	23	-3.661e+05	8.310e+04	0.02	-0.68	0.0	-5297.00	-1.793e+04	-340.58	3.886e+04	8.310e+04	-	
1.032e+06													
		-1.191e+06	-9.014e+04	-0.02		508.0	-5297.00	2914.29	-340.58	3.809e+04	-9.014e+04	-	
1.137e+06													
2	25	3.014e+06	8.310e+04	-0.02	-0.70	0.0	-5297.00	-1850.06	340.58	-4.242e+04	-9.014e+04	-	
2.835e+06													
		-3.668e+05	-9.014e+04	0.02		508.0	-5297.00	1.832e+04	340.58	-4.126e+04	8.310e+04	-	
3.014e+06													
2	28	-6.443e+05	8.521e+04	0.02	-0.67	0.0	3208.06	-1.868e+04	-340.58	4.200e+04	8.521e+04	-	
1.244e+06													
		-1.480e+06	-8.804e+04	-0.02		508.0	3208.06	2210.40	-340.58	4.168e+04	-8.804e+04	-	
1.423e+06													
2	33	1.980e+06	1.278e+04	7.82e-03	-0.72	0.0	-1.522e+04	-7449.20	-72.34	-1.707e+04	1.278e+04	-	
1.980e+06													
		-4.069e+04	-2.473e+04	-3.07e-03		508.0	-1.522e+04	1.413e+04	-72.34	-2.060e+04	-2.473e+04	-	
1.630e+06													
2	36	-3.916e+04	1.979e+04	6.56e-03	-0.65	0.0	1.313e+04	-1.308e+04	72.34	1.665e+04	-1.771e+04	-	
3.893e+05													
		-1.083e+06	-1.771e+04	3.07e-03		508.0	1.313e+04	6392.30	72.34	2.102e+04	1.979e+04	-	
3.916e+04													
2	54	2.173e+06	5.999e+04	-0.01	-0.68	0.0	1987.66	-4798.73	242.63	-2.805e+04	-6.343e+04	-	
2.098e+06													
		-6.050e+05	-6.343e+04	0.01		508.0	1987.66	1.550e+04	242.63	-2.679e+04	5.999e+04	-	
2.173e+06													
2	55	-4.061e+05	5.849e+04	0.01	-0.68	0.0	-4076.60	-1.573e+04	-242.63	2.763e+04	5.849e+04	-	
5.069e+05													
		-8.226e+05	-6.493e+04	-0.01		508.0	-4076.60	5024.80	-242.63	2.721e+04	-6.493e+04	-	
5.818e+05													
2	57	2.377e+06	5.849e+04	-0.01	-0.69	0.0	-4076.60	-4266.03	242.63	-3.029e+04	-6.493e+04	-	
2.249e+06													
		-4.066e+05	-6.493e+04	0.01		508.0	-4076.60	1.600e+04	242.63	-2.935e+04	5.849e+04	-	
2.377e+06													
2	60	-6.045e+05	5.999e+04	0.01	-0.67	0.0	1987.66	-1.626e+04	-242.63	2.987e+04	5.999e+04	-	
6.580e+05													
		-1.030e+06	-6.343e+04	-0.01		508.0	1987.66	4522.96	-242.63	2.977e+04	-6.343e+04	-	
7.862e+05													
2	65	1.640e+06	8426.76	6.42e-03	-0.71	0.0	-1.115e+04	-8257.22	-51.64	-1.222e+04	8426.76	-	
1.640e+06													
		-1.741e+05	-1.836e+04	-2.19e-03		508.0	-1.115e+04	1.302e+04	-51.64	-1.462e+04	-1.836e+04	-	
1.390e+06													
2	68	2.005e+05	1.342e+04	4.68e-03	-0.66	0.0	9062.62	-1.227e+04	51.64	1.180e+04	-1.336e+04	-	
4.917e+04													
		-8.940e+05	-1.336e+04	2.19e-03		508.0	9062.62	7503.67	51.64	1.504e+04	1.342e+04	-	
2.005e+05													
2	80	1.029e+06	-2504.66	2.92e-03	-0.71	0.0	-816.05	-1.049e+04	-1.37	2728.07	-2504.66	-	
7.448e+05													
		-5.141e+05	-3201.62	-6.82e-04		508.0	-816.05	1.161e+04	-1.37	3234.96	-3201.62	-	
1.029e+06													
2	81	8.605e+05	2908.00	3.29e-03	-0.71	0.0	-1751.04	-1.114e+04	136.14	143.31	-1.438e+04	-	
8.605e+05													
		-5.512e+05	-1.438e+04	1.81e-05		508.0	-1751.04	1.114e+04	-136.14	-143.31	-1.438e+04	-	

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8.605e+05	2	82	9.008e+05	1.952e+04	2.62e-03	-0.70	0.0	128.18	-1.091e+04	-272.29	-929.46	1.952e+04
9.008e+05			-4.823e+05	-1.506e+04	2.24e-04		508.0	128.18	1.091e+04	272.29	929.46	1.952e+04
9.008e+05	2	83	8.267e+05	-3062.00	3.02e-03	-0.69	0.0	-1060.54	-1.057e+04	0.0	-730.16	-3062.00
8.267e+05			-5.135e+05	-3062.00	7.54e-05		508.0	-1060.54	1.057e+04	0.0	730.16	-3062.00
8.267e+05	2	84	8.187e+05	-2411.69	2.97e-03	-0.68	0.0	-897.06	-1.045e+04	0.0	-21.37	-2411.69
8.187e+05			-5.064e+05	-2411.69	5.94e-05		508.0	-897.06	1.045e+04	0.0	21.37	-2411.69
8.187e+05	2	86	7.955e+05	-2467.86	3.00e-03	-0.68	0.0	-1044.47	-1.026e+04	0.0	-209.43	-2467.86
7.955e+05			-5.056e+05	-2467.86	6.08e-05		508.0	-1044.47	1.026e+04	0.0	209.43	-2467.86
7.955e+05	3	7	8.168e+05	1.763e+05	0.01	-0.96	0.0	-205.62	-9154.30	1111.67	2.314e+05	-1.770e+05
8.168e+05			-4.640e+05	-1.770e+05	5.21e-03		495.0	-205.62	7195.37	315.71	2.290e+05	1.763e+05
3.080e+05	3	9	5.687e+05	1.242e+05	0.03	-1.01	0.0	-1682.81	-9582.33	356.19	1.917e+05	-5.216e+04
5.687e+05			-7.625e+05	-5.216e+04	5.58e-03		495.0	-1682.81	8039.03	356.19	1.922e+05	1.242e+05
1.079e+05	3	11	1.014e+06	1610.46	3.81e-03	-0.96	0.0	1341.00	-8878.07	44.33	1.575e+05	-2.033e+04
1.014e+06			-1.625e+05	-2.033e+04	3.99e-03		495.0	1341.00	7584.14	44.33	1.566e+05	1610.46
7.043e+05	3	12	8.746e+05	-1.047e+04	4.70e-03	-0.82	0.0	1383.31	-7341.79	10.65	1.289e+05	-1.575e+04
8.746e+05			-8.883e+04	-1.575e+04	3.00e-03		495.0	1383.31	6364.06	10.65	1.277e+05	-1.047e+04
6.454e+05	3	15	7.148e+05	2.423e+05	9.36e-03	-0.60	0.0	368.95	-6626.39	903.84	1.507e+05	-2.055e+05
7.148e+05			-3.325e+05	-2.055e+05	-8.06e-03		495.0	368.95	-618.68	903.84	1.385e+05	2.423e+05
3.325e+05	3	19	6.281e+05	2.458e+05	5.52e-03	-0.60	0.0	843.59	-6770.35	899.49	1.636e+05	-1.996e+05
6.281e+05			-5.966e+05	-1.996e+05	-3.10e-03		495.0	843.59	-219.16	899.49	1.508e+05	2.458e+05
5.966e+05	3	29	3.026e+06	1.094e+05	-0.17	-0.96	0.0	-1.406e+04	-4380.99	366.42	-9.993e+04	-7.324e+04
3.026e+06			2.160e+06	-7.324e+04	1.71e-03		495.0	-1.406e+04	1.181e+04	366.42	-1.013e+05	1.094e+05
2.892e+06	3	32	-1.828e+06	2.534e+04	0.15	-0.63	0.0	1.374e+04	-8972.74	-51.32	3.461e+05	2.534e+04
1.828e+06			-2.803e+06	-1297.10	6.14e-03		495.0	1.374e+04	-759.96	-51.32	3.488e+05	-1297.10
2.315e+06	3	36	-1.776e+06	3.085e+04	-0.14	-0.63	0.0	1.348e+04	-9048.92	-79.70	3.482e+05	3.085e+04
1.776e+06			-2.917e+06	-9587.47	2.99e-03		495.0	1.348e+04	-806.39	-79.70	3.509e+05	-9587.47
2.434e+06	3	47	6.815e+05	1.882e+05	7.64e-03	-0.63	0.0	217.89	-6637.34	689.34	1.426e+05	-1.533e+05
6.815e+05			-1.535e+05	-1.533e+05	-4.70e-03		495.0	217.89	1147.32	689.34	1.341e+05	1.882e+05
1.535e+05	3	51	6.198e+05	1.907e+05	-4.84e-03	-0.63	0.0	556.33	-6740.05	686.24	1.519e+05	-1.491e+05
6.198e+05			-3.418e+05	-1.491e+05	-1.40e-03		495.0	556.33	1430.91	686.24	1.429e+05	1.907e+05
3.418e+05	3	61	2.329e+06	9.354e+04	-0.12	-0.89	0.0	-1.007e+04	-5028.33	306.59	-3.588e+04	-5.912e+04
2.329e+06			1.449e+06	-5.912e+04	2.35e-03		495.0	-1.007e+04	1.001e+04	306.59	-3.665e+04	9.354e+04
2.147e+06	3	64	-1.132e+06	1.453e+04	0.10	-0.65	0.0	9755.15	-8325.40	8.51	2.821e+05	1.121e+04

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1.132e+06	-2.086e+06	1.121e+04	5.51e-03	495.0	9755.15	1034.14	8.51	2.842e+05	1.453e+04	-	
1.569e+06	68-1.095e+06	1.516e+04	-0.10	-0.65	0.0	9567.65	-8379.67	-11.80	2.835e+05	1.516e+04	-
1.095e+06	-2.167e+06	8602.62	3.26e-03	495.0	9567.65	1001.04	-11.80	2.857e+05	8602.62	-	
1.655e+06	80 6.064e+05	1.229e+05	7.09e-03	-0.71	0.0	-155.88	-6785.65	756.08	1.670e+05	-1.200e+05	
6.064e+05	-3.421e+05	-1.200e+05	3.92e-03	495.0	-155.88	5339.17	225.44	1.655e+05	1.229e+05		
2.315e+05	81 4.410e+05	8.814e+04	0.02	-0.74	0.0	-1140.68	-7071.01	252.43	1.405e+05	-3.681e+04	
4.410e+05	-5.411e+05	-3.681e+04	4.16e-03	495.0	-1140.68	5901.61	252.43	1.410e+05	8.814e+04		
9.811e+04	82 7.377e+05	6444.57	-2.17e-03	-0.70	0.0	875.19	-6601.50	44.52	1.177e+05	-1.559e+04	
7.377e+05	-1.411e+05	-1.559e+04	3.10e-03	495.0	875.19	5598.36	44.52	1.173e+05	6444.57		
4.957e+05	83 6.205e+05	6.598e+04	8.29e-03	-0.71	0.0	-5.69	-6726.05	197.16	1.348e+05	-3.162e+04	
6.205e+05	-3.124e+05	-3.162e+04	3.77e-03	495.0	-5.69	5411.99	197.16	1.351e+05	6.598e+04		
2.753e+05	84 5.876e+05	5.114e+04	0.01	-0.70	0.0	-216.07	-6724.28	147.96	1.202e+05	-2.210e+04	
5.876e+05	-3.289e+05	-2.210e+04	3.91e-03	495.0	-216.07	5660.49	147.96	1.208e+05	5.114e+04		
2.983e+05	86 5.987e+05	5.404e+04	0.01	-0.70	0.0	-156.67	-6676.87	157.55	1.231e+05	-2.395e+04	
5.987e+05	-3.182e+05	-2.395e+04	3.93e-03	495.0	-156.67	5523.39	157.55	1.238e+05	5.404e+04		
2.887e+05	1 2.167e+06	2127.63	2.48e-03	-1.16	0.0	9569.60	-2.274e+04	0.0	-1282.72	2127.63	
2.167e+06	-7.197e+05	2127.63	-5.24e-05	508.0	9569.60	2.274e+04	0.0	1282.72	2127.63		
2.167e+06	5 2.143e+06	6253.77	2.64e-03	-1.09	0.0	7589.38	-2.157e+04	19.41	-922.17	-3607.28	
2.143e+06	-6.936e+05	-3607.28	1.23e-03	508.0	7589.38	2.002e+04	19.41	3939.99	6253.77		
1.747e+06	6 1.907e+06	5850.73	2.37e-03	-0.93	0.0	6508.77	-1.910e+04	19.41	-442.87	-4010.32	
1.907e+06	-6.151e+05	-4010.32	1.23e-03	508.0	6508.77	1.754e+04	19.41	3460.69	5850.73		
1.512e+06	17 3.323e+06	9324.68	-6.19e-03	-0.76	0.0	5340.97	-5636.27	-37.99	-1.102e+04	9324.68	
3.323e+06	-4.567e+05	-9746.90	9.52e-03	508.0	5340.97	2.164e+04	-37.99	-7325.40	-9746.90		
3.264e+06	20-5.130e+05	1.231e+04	6.19e-03	-0.74	0.0	3648.42	-2.185e+04	37.99	7798.09	-6765.57	
8.048e+05	-1.098e+06	-6765.57	-9.52e-03	508.0	3648.42	5847.51	37.99	1.055e+04	1.231e+04	-	
7.466e+05	21 3.054e+06	4.464e+04	-5.21e-03	-0.76	0.0	5340.97	-6683.55	-176.14	-1.376e+04	4.464e+04	
3.054e+06	-4.566e+05	-4.507e+04	0.02	508.0	5340.97	2.078e+04	-176.14	-1.099e+04	-4.507e+04		
3.048e+06	24-5.131e+05	4.763e+04	5.21e-03	-0.74	0.0	3648.42	-2.080e+04	176.14	1.054e+04	-4.208e+04	
5.365e+05	-9.533e+05	-4.208e+04	-0.02	508.0	3648.42	6707.12	176.14	1.422e+04	4.763e+04	-	
5.299e+05	29 2.071e+06	2.563e+04	-3.01e-03	-0.78	0.0	7315.62	-1.058e+04	-113.94	-6479.07	2.563e+04	
2.071e+06	-3.907e+05	-3.301e+04	-5.60e-03	508.0	7315.62	1.683e+04	-113.94	-4767.71	-3.301e+04		
2.049e+06	32 4.688e+05	3.557e+04	3.43e-03	-0.72	0.0	1673.77	-1.691e+04	113.94	3253.99	-2.307e+04	
4.467e+05	-6.299e+05	-2.307e+04	5.60e-03	508.0	1673.77	1.066e+04	113.94	7992.79	3.557e+04		

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4.688e+05	4	49	2.730e+06	7003.18	-4.41e-03	-0.76	0.0	5098.14	-7963.58	-27.04	-8322.05	7003.18	
2.730e+06			-4.647e+05	-6567.50	6.78e-03		508.0	5098.14	1.937e+04	-27.04	-4759.96	-6567.50	
2.689e+06	4	52	-1.709e+05	9126.61	4.41e-03	-0.74	0.0	3891.25	-1.952e+04	27.04	5096.98	-4444.07	-
2.124e+05			-7.993e+05	-4444.07	-6.78e-03		508.0	3891.25	8114.19	27.04	7985.03	9126.61	-
1.709e+05	4	53	2.539e+06	3.219e+04	-3.71e-03	-0.75	0.0	5098.14	-8710.31	-125.54	-1.028e+04	3.219e+04	
2.539e+06			-4.647e+05	-3.175e+04	0.01		508.0	5098.14	1.876e+04	-125.54	-7373.86	-3.175e+04	
2.534e+06	4	56	-1.643e+04	3.431e+04	3.71e-03	-0.74	0.0	3891.25	-1.878e+04	125.54	7050.09	-2.963e+04	-
2.116e+04			-7.270e+05	-2.963e+04	-0.01		508.0	3891.25	8727.12	125.54	1.060e+04	3.431e+04	-
1.643e+04	4	61	1.838e+06	1.865e+04	-2.15e-03	-0.77	0.0	6506.17	-1.149e+04	-81.23	-5082.31	1.865e+04	
1.838e+06			-4.177e+05	-2.317e+04	-3.99e-03		508.0	6506.17	1.594e+04	-81.23	-2936.49	-2.317e+04	
1.822e+06	4	64	6.956e+05	2.573e+04	2.94e-03	-0.73	0.0	2483.22	-1.600e+04	81.23	1857.24	-1.609e+04	
6.798e+05			-5.802e+05	-1.609e+04	3.99e-03		508.0	2483.22	1.154e+04	81.23	6161.56	2.573e+04	
6.956e+05	4	77	1.549e+06	1597.55	1.78e-03	-0.84	0.0	6860.01	-1.626e+04	0.0	-1068.17	1597.55	
1.549e+06			-5.147e+05	1597.55	-3.93e-05		508.0	6860.01	1.626e+04	0.0	1068.17	1597.55	
1.549e+06	4	79	1.533e+06	4348.31	1.88e-03	-0.79	0.0	5539.86	-1.548e+04	12.94	-827.80	-2225.72	
1.533e+06			-4.973e+05	-2225.72	8.22e-04		508.0	5539.86	1.444e+04	12.94	2839.69	4348.31	
1.270e+06	4	83	1.308e+06	1431.51	1.98e-03	-0.76	0.0	4862.42	-1.418e+04	0.0	-1357.31	1431.51	
1.308e+06			-4.905e+05	1431.51	-3.52e-05		508.0	4862.42	1.418e+04	0.0	1357.31	1431.51	
1.308e+06	4	84	1.296e+06	1163.62	1.98e-03	-0.76	0.0	4852.45	-1.406e+04	0.0	-1803.15	1163.62	
1.296e+06			-4.877e+05	1163.62	-2.86e-05		508.0	4852.45	1.406e+04	0.0	1803.15	1163.62	
1.296e+06	4	85	1.259e+06	1279.56	2.02e-03	-0.75	0.0	4494.69	-1.374e+04	0.0	-1612.54	1279.56	
1.259e+06			-4.848e+05	1279.56	-3.15e-05		508.0	4494.69	1.374e+04	0.0	1612.54	1279.56	
1.259e+06	4	86	1.259e+06	1279.56	2.02e-03	-0.75	0.0	4494.69	-1.374e+04	0.0	-1612.54	1279.56	
1.259e+06			-4.848e+05	1279.56	-3.15e-05		508.0	4494.69	1.374e+04	0.0	1612.54	1279.56	
1.259e+06	6	5	1.158e+06	5826.02	9.60e-04	-0.95	0.0	1728.20	-1.107e+04	7.19	4366.00	2174.35	
1.158e+06			-2.992e+05	2174.35	1.19e-03		508.0	1728.20	1.025e+04	7.19	-3460.58	5826.02	
9.490e+05	6	9	1.072e+06	2.401e+04	4.97e-04	-0.94	0.0	3018.99	-1.049e+04	460.86	4168.80	-3.452e+04	
1.072e+06			-2.602e+05	-3.452e+04	-6.72e-04		508.0	3018.99	1.049e+04	-460.86	-4168.80	-3.452e+04	
1.072e+06	6	10	9.067e+05	2.323e+04	-4.32e-04	-0.80	0.0	2761.17	-8845.91	460.86	3693.26	-3.529e+04	
9.067e+05			-2.163e+05	-3.529e+04	-6.35e-04		508.0	2761.17	8845.91	-460.86	-3693.26	-3.529e+04	
9.067e+05	6	11	1.035e+06	2.364e+04	1.42e-03	-0.96	0.0	809.20	-1.082e+04	-230.43	3669.26	2.364e+04	
1.035e+06			-3.376e+05	-5627.48	-4.45e-05		508.0	809.20	1.082e+04	230.43	-3669.26	2.364e+04	
1.035e+06	6	12	8.697e+05	2.286e+04	1.30e-03	-0.81	0.0	551.37	-9168.40	-230.43	3193.71	2.286e+04	

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8.697e+05		-2.937e+05	-6401.72	6.66e-05		508.0	551.37	9168.40	230.43	-3193.71	2.286e+04
8.697e+05											
6	13	1.854e+06	1.920e+04	-0.04	-0.69	0.0	3903.54	-2748.15	-67.90	-3081.50	1.920e+04
1.854e+06		-1.232e+05	-1.536e+04	4.69e-03		508.0	3903.54	1.203e+04	-67.90	-9126.06	-1.536e+04
1.811e+06											
6	16	-2.984e+05	2.143e+04	0.04	-0.64	0.0	-1491.65	-1.179e+04	67.90	8016.02	-1.313e+04
4.303e+05		-6.075e+05	-1.313e+04	-4.69e-03		508.0	-1491.65	2512.81	67.90	4191.55	2.143e+04
3.880e+05											
6	21	1.643e+06	2.876e+04	-0.04	-0.70	0.0	3903.54	-3591.37	-105.55	-1.313e+04	2.876e+04
1.643e+06		-1.232e+05	-2.493e+04	0.02		508.0	3903.54	1.118e+04	-105.55	-1.917e+04	-2.493e+04
1.601e+06											
6	24	-1.771e+05	3.099e+04	0.04	-0.64	0.0	-1491.65	-1.095e+04	105.55	1.806e+04	-2.269e+04
2.194e+05		-5.014e+05	-2.269e+04	-0.02		508.0	-1491.65	3356.03	105.55	1.424e+04	3.099e+04
1.771e+05											
6	34	8.759e+05	1.638e+04	0.11	-0.59	0.0	-7786.04	-7282.56	37.46	4648.50	-2872.23
7.348e+05		-5.027e+05	-2872.23	0.01		508.0	-7786.04	6471.36	37.46	3414.14	1.638e+04
8.759e+05											
6	35	6.887e+05	8938.68	-0.11	-0.74	0.0	1.020e+04	-7255.82	-37.46	286.01	8938.68
6.887e+05		4.052e+04	-1.032e+04	-0.01		508.0	1.020e+04	8067.02	-37.46	-8348.66	-1.032e+04
5.475e+05											
6	45	1.526e+06	1.456e+04	-0.03	-0.69	0.0	3129.66	-4045.84	-48.41	-1488.43	1.456e+04
1.526e+06		-1.484e+05	-1.008e+04	3.35e-03		508.0	3129.66	1.066e+04	-48.41	-7214.42	-1.008e+04
1.496e+06											
6	53	1.376e+06	2.138e+04	-0.03	-0.69	0.0	3129.66	-4647.03	-75.25	-8652.17	2.138e+04
1.376e+06		-1.484e+05	-1.690e+04	0.01		508.0	3129.66	1.006e+04	-75.25	-1.438e+04	-1.690e+04
1.345e+06											
6	56	7.803e+04	2.297e+04	0.03	-0.65	0.0	-717.76	-9891.35	75.25	1.359e+04	-1.531e+04
4.783e+04		-3.770e+05	-1.531e+04	-0.01		508.0	-717.76	4479.24	75.25	9443.65	2.297e+04
7.803e+04											
6	64	4.155e+05	1.991e+04	0.08	-0.61	0.0	-5206.42	-8900.90	55.67	7737.48	-8533.74
3.149e+05		-4.399e+05	-8533.74	4.27e-03		508.0	-5206.42	5078.18	55.67	5441.22	1.991e+04
4.155e+05											
6	66	8.288e+05	1.255e+04	0.08	-0.61	0.0	-5206.42	-7278.73	26.71	4022.68	-1177.91
7.281e+05		-4.190e+05	-1177.91	9.60e-03		508.0	-5206.42	6700.35	26.71	1726.42	1.255e+04
8.288e+05											
6	67	6.953e+05	7244.36	-0.08	-0.72	0.0	7618.32	-7259.65	-26.71	911.84	7244.36
6.953e+05		-2.157e+04	-6487.29	-9.60e-03		508.0	7618.32	7838.03	-26.71	-6660.93	-6487.29
5.946e+05											
6	79	8.454e+05	4228.12	6.92e-04	-0.70	0.0	1266.72	-8110.59	4.79	3122.02	1793.68
8.454e+05		-2.190e+05	1793.68	7.93e-04		508.0	1266.72	7564.69	4.79	-2518.41	4228.12
7.062e+05											
6	81	7.881e+05	1.635e+04	3.83e-04	-0.69	0.0	2127.25	-7728.73	307.24	2990.55	-2.267e+04
7.881e+05		-1.929e+05	-2.267e+04	-4.65e-04		508.0	2127.25	7728.73	-307.24	-2990.55	-2.267e+04
7.881e+05											
6	82	7.635e+05	1.610e+04	9.96e-04	-0.70	0.0	654.05	-7943.72	-153.62	2657.52	1.610e+04
7.635e+05		-2.446e+05	-3407.55	-3.69e-05		508.0	654.05	7943.72	153.62	-2657.52	1.610e+04
7.635e+05											
6	83	7.276e+05	3084.98	7.35e-04	-0.67	0.0	1218.51	-7413.46	0.0	2605.14	3084.98
7.276e+05		-2.132e+05	3084.98	-1.48e-04		508.0	1218.51	7413.46	0.0	-2605.14	3084.98

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7.276e+05 6	84	7.308e+05	3058.51	7.28e-04	-0.68	0.0	1262.03	-7438.82	0.0	2553.51	3058.51
7.308e+05		-2.133e+05	3058.51	-1.47e-04		508.0	1262.03	7438.82	0.0	-2553.51	3058.51
7.308e+05 6	85	7.117e+05	3033.23	7.43e-04	-0.67	0.0	1205.95	-7269.19	0.0	2467.26	3033.23
7.117e+05		-2.108e+05	3033.23	-1.46e-04		508.0	1205.95	7269.19	0.0	-2467.26	3033.23
7.117e+05 6	86	7.117e+05	3033.23	7.43e-04	-0.67	0.0	1205.95	-7269.19	0.0	2467.26	3033.23
7.117e+05		-2.108e+05	3033.23	-1.46e-04		508.0	1205.95	7269.19	0.0	-2467.26	3033.23
7.117e+05 7	7	1.776e+06	3.127e+04	-2.32e-03	-0.97	0.0	-13.05	-1.393e+04	92.92	4.065e+04	-1.593e+04
1.058e+06		-5.430e+05	-1.593e+04	4.10e-04		508.0	-13.05	1.674e+04	92.92	4.210e+04	3.127e+04
1.776e+06 7	9	1.520e+06	2.933e+04	-6.35e-03	-0.99	0.0	-1698.98	-1.484e+04	322.25	2.461e+04	-3.519e+04
1.147e+06		-6.469e+05	-3.519e+04	1.04e-03		508.0	-1698.98	1.638e+04	-86.18	2.445e+04	2.477e+04
1.520e+06 7	11	1.565e+06	6.415e+04	-2.32e-03	-0.97	0.0	897.54	-1.452e+04	-332.07	3.498e+04	2.536e+04
1.245e+06		-5.159e+05	-8730.39	1.72e-03		508.0	897.54	1.576e+04	484.80	3.827e+04	6.415e+04
1.565e+06 7	12	1.407e+06	5.908e+04	-4.46e-03	-0.83	0.0	1293.51	-1.275e+04	-343.23	3.420e+04	2.596e+04
1.126e+06		-4.186e+05	-1.061e+04	1.55e-03		508.0	1293.51	1.381e+04	473.63	3.717e+04	5.908e+04
1.407e+06 7	25	3.239e+06	1.077e+05	-0.06	-0.78	0.0	-8252.97	-1681.89	365.67	-6.162e+04	-7.851e+04
2.352e+06		-1.167e+05	-7.851e+04	0.02		508.0	-8252.97	1.721e+04	365.67	-6.456e+04	1.077e+05
3.239e+06 7	28	-6.497e+05	5.961e+04	0.05	-0.66	0.0	6787.97	-1.810e+04	-221.56	9.969e+04	5.961e+04
8.239e+05		-1.533e+06	-5.338e+04	-0.02		508.0	6787.97	4407.31	-221.56	1.042e+05	-5.338e+04
1.270e+06 7	29	1.926e+06	2.930e+04	-0.06	-0.80	0.0	-1.502e+04	-7183.85	-74.87	-9.504e+04	2.930e+04
1.926e+06		2.340e+05	-1.046e+04	-0.01		508.0	-1.502e+04	1.545e+04	-74.87	-1.015e+05	-1.046e+04
1.706e+06 7	32	2.633e+05	6.477e+04	0.05	-0.65	0.0	1.356e+04	-1.260e+04	218.97	1.331e+05	-4.819e+04
3.976e+05		-1.124e+06	-4.819e+04	0.02		508.0	1.356e+04	6171.75	218.97	1.411e+05	6.477e+04
2.633e+05 7	57	2.591e+06	8.456e+04	-0.04	-0.75	0.0	-6094.62	-4039.35	281.31	-3.847e+04	-5.866e+04
1.896e+06		-1.938e+05	-5.866e+04	0.01		508.0	-6094.62	1.537e+04	281.31	-4.033e+04	8.456e+04
2.591e+06 7	60	-3.676e+05	3.976e+04	0.03	-0.66	0.0	4629.61	-1.574e+04	-137.20	7.653e+04	3.976e+04
3.676e+05		-1.108e+06	-3.025e+04	-0.01		508.0	4629.61	6247.64	-137.20	7.999e+04	-3.025e+04
6.223e+05 7	61	1.592e+06	1.818e+04	-0.04	-0.77	0.0	-1.092e+04	-7961.03	-32.67	-6.230e+04	1.818e+04
1.592e+06		4.307e+04	336.92	-9.74e-03		508.0	-1.092e+04	1.412e+04	-32.67	-6.667e+04	336.92
1.499e+06 7	64	4.704e+05	5.397e+04	0.03	-0.66	0.0	9455.52	-1.182e+04	176.78	1.004e+05	-3.708e+04
6.412e+04		-9.275e+05	-3.708e+04	0.01		508.0	9455.52	7503.54	176.78	1.063e+05	5.397e+04
4.704e+05 7	80	1.254e+06	2.310e+04	1.69e-03	-0.71	0.0	-184.69	-1.007e+04	66.91	2.745e+04	-1.089e+04
7.582e+05		-4.047e+05	-1.089e+04	3.50e-04		508.0	-184.69	1.203e+04	66.91	2.855e+04	2.310e+04
1.254e+06 7	81	1.083e+06	2.133e+04	-5.19e-03	-0.72	0.0	-1308.64	-1.068e+04	219.80	1.675e+04	-2.373e+04

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8.173e+05												
	-4.745e+05	-2.373e+04	7.71e-04		508.0	-1308.64	1.179e+04	-52.49	1.679e+04	1.877e+04		
1.083e+06												
7	82	1.114e+06	4.502e+04	1.63e-03	-0.70	0.0	422.37	-1.047e+04	-216.42	2.367e+04	1.664e+04	
8.824e+05												
		-3.872e+05	-5139.17	1.22e-03		508.0	422.37	1.137e+04	328.16	2.600e+04	4.502e+04	
1.114e+06												
7	83	1.030e+06	2.849e+04	-3.97e-03	-0.70	0.0	-711.21	-1.016e+04	74.69	1.671e+04	-9454.93	
7.934e+05												
		-4.394e+05	-9454.93	9.14e-04		508.0	-711.21	1.114e+04	74.69	1.851e+04	2.849e+04	
1.030e+06												
7	84	1.013e+06	2.705e+04	-3.81e-03	-0.69	0.0	-581.84	-1.007e+04	72.60	2.108e+04	-9836.58	
7.889e+05												
		-4.346e+05	-9836.58	1.10e-03		508.0	-581.84	1.099e+04	72.60	2.154e+04	2.705e+04	
1.013e+06												
7	85	9.846e+05	2.715e+04	-4.56e-03	-0.68	0.0	-732.50	-9891.09	72.05	1.903e+04	-9448.74	
7.641e+05												
		-4.383e+05	-9448.74	1.02e-03		508.0	-732.50	1.081e+04	72.05	1.983e+04	2.715e+04	
9.846e+05												
7	86	9.846e+05	2.715e+04	-4.56e-03	-0.68	0.0	-732.50	-9891.09	72.05	1.903e+04	-9448.74	
7.641e+05												
		-4.383e+05	-9448.74	1.02e-03		508.0	-732.50	1.081e+04	72.05	1.983e+04	2.715e+04	
9.846e+05												
8	1	2.963e+06	2.714e+04	0.03	-1.16	0.0	1.129e+04	-2.080e+04	-98.20	-2.889e+04	2.714e+04	
2.097e+06												
		-3.208e+05	-2.274e+04	-1.82e-04		508.0	1.129e+04	2.390e+04	-98.20	-2.686e+04	-2.274e+04	
2.963e+06												
8	5	2.422e+06	2.534e+04	0.02	-1.09	0.0	8752.53	-1.986e+04	-87.89	-3.250e+04	2.534e+04	
2.031e+06												
		-3.784e+05	-1.930e+04	9.24e-04		508.0	8752.53	2.117e+04	-87.89	-2.820e+04	-1.930e+04	
2.422e+06												
8	6	2.111e+06	1.987e+04	0.02	-0.93	0.0	7532.35	-1.757e+04	-69.86	-2.654e+04	1.987e+04	
1.801e+06												
		-3.406e+05	-1.562e+04	9.30e-04		508.0	7532.35	1.859e+04	-69.86	-2.308e+04	-1.562e+04	
2.111e+06												
8	7	2.852e+06	3.366e+04	0.03	-1.09	0.0	9391.21	-1.838e+04	-116.72	-3.705e+04	3.366e+04	
1.731e+06												
		-3.384e+05	-2.563e+04	-1.61e-03		508.0	9391.21	2.254e+04	-116.72	-3.289e+04	-2.563e+04	
2.852e+06												
8	13	3.872e+06	2.965e+04	6.02e-03	-0.77	0.0	780.16	-4935.85	-109.12	-4.185e+04	2.965e+04	
2.820e+06												
		-1.203e+05	-3.832e+04	3.95e-03		508.0	780.16	2.133e+04	-109.12	-4.009e+04	-3.832e+04	
3.872e+06												
8	14	3.775e+06	3.879e+04	0.01	-0.76	0.0	-880.71	-5496.66	-149.70	-2.734e+04	3.879e+04	
2.669e+06												
		-1.876e+05	-2.473e+04	0.01		508.0	-880.71	2.105e+04	-149.70	-2.425e+04	-2.473e+04	
3.775e+06												
8	15	-2.386e+05	3069.69	-0.04	-0.75	0.0	1.173e+04	-1.987e+04	7.57	-2.053e+04	3069.69	-
2.386e+05												
		-9.192e+05	-5609.53	-0.01		508.0	1.173e+04	7892.77	7.57	-1.804e+04	-5609.53	-
3.668e+05												
8	16	-3.811e+05	1.221e+04	-0.03	-0.73	0.0	1.007e+04	-2.043e+04	-33.01	-6022.70	1.221e+04	-
3.891e+05												
		-9.885e+05	7979.67	-4.26e-03		508.0	1.007e+04	7611.37	-33.01	-2199.88	7979.67	-
4.644e+05												
8	26	3.538e+06	6.607e+04	9.64e-03	-0.75	0.0	-502.42	-6534.06	-259.02	-3.274e+04	6.607e+04	
2.448e+06												
		-1.829e+05	-6.561e+04	0.02		508.0	-502.42	2.024e+04	-259.02	-2.986e+04	-6.561e+04	
3.538e+06												
8	42	2.129e+06	6.984e+04	3.30e-03	-0.72	0.0	1279.99	-1.198e+04	-250.59	-1.129e+04	6.984e+04	
1.301e+06												
		-3.287e+05	-5.779e+04	-2.82e-04		508.0	1279.99	1.572e+04	-250.59	-6709.12	-5.779e+04	
2.129e+06												
8	45	3.250e+06	2.710e+04	2.56e-03	-0.76	0.0	2113.53	-7160.02	-98.09	-3.671e+04	2.710e+04	
2.359e+06												
		-1.631e+05	-3.166e+04	2.77e-03		508.0	2113.53	1.936e+04	-98.09	-3.465e+04	-3.166e+04	

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3.250e+06 8	46	3.180e+06	3.367e+04	4.33e-03	-0.75	0.0	929.32	-7559.85	-127.09	-2.637e+04	3.367e+04
2.252e+06		-2.111e+05	-2.197e+04	7.37e-03		508.0	929.32	1.916e+04	-127.09	-2.336e+04	-2.197e+04
3.180e+06 8	47	2.275e+05	8191.34	-0.03	-0.75	0.0	9921.92	-1.781e+04	-15.04	-2.151e+04	8191.34
1.789e+05		-6.394e+05	-8375.25	-7.68e-03		508.0	9921.92	9781.48	-15.04	-1.893e+04	-8375.25
2.275e+05 8	48	1.580e+05	1.476e+04	-0.03	-0.74	0.0	8737.71	-1.821e+04	-44.04	-1.116e+04	1.476e+04
7.156e+04		-6.839e+05	1317.87	-3.08e-03		508.0	8737.71	9580.81	-44.04	-7637.56	1317.87
1.580e+05 8	58	3.012e+06	5.311e+04	3.01e-03	-0.74	0.0	1199.03	-8299.55	-205.03	-3.021e+04	5.311e+04
2.094e+06		-2.078e+05	-5.112e+04	0.01		508.0	1199.03	1.858e+04	-205.03	-2.736e+04	-5.112e+04
3.012e+06 8	74	2.007e+06	5.582e+04	2.67e-03	-0.73	0.0	2469.76	-1.219e+04	-199.08	-1.492e+04	5.582e+04
1.276e+06		-3.116e+05	-4.555e+04	-2.43e-04		508.0	2469.76	1.536e+04	-199.08	-1.085e+04	-4.555e+04
2.007e+06 8	77	2.114e+06	2.053e+04	0.02	-0.84	0.0	8071.68	-1.488e+04	-73.48	-2.191e+04	2.053e+04
1.501e+06		-2.309e+05	-1.680e+04	-1.28e-04		508.0	8071.68	1.708e+04	-73.48	-2.018e+04	-1.680e+04
2.114e+06 8	79	1.753e+06	1.933e+04	0.02	-0.79	0.0	6377.32	-1.426e+04	-66.60	-2.432e+04	1.933e+04
1.457e+06		-2.691e+05	-1.450e+04	6.14e-04		508.0	6377.32	1.525e+04	-66.60	-2.107e+04	-1.450e+04
1.753e+06 8	80	2.040e+06	2.488e+04	0.02	-0.79	0.0	6803.10	-1.327e+04	-85.82	-2.735e+04	2.488e+04
1.257e+06		-2.426e+05	-1.872e+04	-1.08e-03		508.0	6803.10	1.617e+04	-85.82	-2.420e+04	-1.872e+04
2.040e+06 8	83	1.777e+06	2.048e+04	0.01	-0.76	0.0	5852.70	-1.306e+04	-70.29	-2.272e+04	2.048e+04
1.263e+06		-2.622e+05	-1.523e+04	-1.40e-04		508.0	5852.70	1.493e+04	-70.29	-2.043e+04	-1.523e+04
1.777e+06 8	84	1.751e+06	2.148e+04	0.01	-0.76	0.0	5800.71	-1.297e+04	-73.27	-2.507e+04	2.148e+04
1.253e+06		-2.648e+05	-1.574e+04	-1.94e-04		508.0	5800.71	1.478e+04	-73.27	-2.191e+04	-1.574e+04
1.751e+06 8	85	1.704e+06	2.093e+04	0.01	-0.75	0.0	5425.62	-1.268e+04	-71.07	-2.394e+04	2.093e+04
1.215e+06		-2.691e+05	-1.517e+04	-1.58e-04		508.0	5425.62	1.447e+04	-71.07	-2.115e+04	-1.517e+04
1.704e+06 8	86	1.704e+06	2.093e+04	0.01	-0.75	0.0	5425.62	-1.268e+04	-71.07	-2.394e+04	2.093e+04
1.215e+06		-2.691e+05	-1.517e+04	-1.58e-04		508.0	5425.62	1.447e+04	-71.07	-2.115e+04	-1.517e+04
1.704e+06 10	7	1.374e+06	3064.24	0.02	-0.95	0.0	2893.44	-9601.19	5.42	-1671.21	312.18
9.224e+05		-1.819e+05	312.18	-7.41e-04		508.0	2893.44	1.120e+04	5.42	-9603.50	3064.24
1.374e+06 10	9	1.280e+06	1.717e+04	0.02	-0.94	0.0	3931.77	-9813.04	444.67	-3207.51	-3.725e+04
1.023e+06		-1.465e+05	-4.547e+04	-3.19e-04		508.0	3931.77	1.063e+04	-477.05	-1.167e+04	-4.547e+04
1.280e+06 10	11	1.229e+06	2.136e+04	0.01	-0.96	0.0	1788.18	-1.020e+04	-235.11	1350.94	2.136e+04
9.744e+05		-2.495e+05	-9092.98	7.99e-04		508.0	1788.18	1.108e+04	225.75	-6028.16	1.898e+04
1.229e+06 10	12	1.046e+06	2.092e+04	0.01	-0.81	0.0	1430.62	-8623.97	-234.03	1241.44	2.092e+04
8.138e+05		-2.166e+05	-9255.70	6.33e-04		508.0	1430.62	9439.38	226.83	-5180.17	1.909e+04
1.046e+06 10	17	2.252e+06	6205.49	-0.05	-0.72	0.0	884.39	-1999.08	-33.43	-1.211e+04	6205.49

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1.488e+06												
	4.594e+04	-1.075e+04	9.14e-03		508.0	884.39	1.170e+04	-33.43	-1.847e+04	-1.075e+04		
2.252e+06												
10	20	-1.338e+05	6939.22	0.07	-0.64	0.0	2758.70	-1.170e+04	17.19	6765.74	-1767.90	-
1.338e+05												
		-8.159e+05	-1767.90	-8.53e-03		508.0	2758.70	3107.00	17.19	3076.88	6939.22	-
5.634e+05												
10	26	1.862e+06	2.769e+04	0.05	-0.66	0.0	-4038.66	-3814.36	-111.99	-1.534e+04	2.769e+04	
1.227e+06												
		-1.160e+05	-2.927e+04	0.02		508.0	-4038.66	9825.18	-111.99	-1.968e+04	-2.927e+04	
1.862e+06												
10	30	1.136e+06	1.270e+04	0.15	-0.59	0.0	-8013.32	-6791.02	-57.99	1.782e+04	1.270e+04	
6.212e+05												
		-4.885e+05	5214.04	0.01		508.0	-8013.32	6060.53	-57.99	1.737e+04	5214.04	
1.136e+06												
10	31	7.329e+05	-8261.03	-0.16	-0.77	0.0	1.166e+04	-6904.42	41.75	-2.317e+04	-8261.03	
7.329e+05												
		1.046e+05	-9025.25	-0.01		508.0	1.166e+04	8748.70	41.75	-3.277e+04	-9025.25	
5.529e+05												
10	42	9.555e+05	3.198e+04	0.13	-0.59	0.0	-7644.15	-7440.44	-118.58	1602.90	3.198e+04	
7.105e+05												
		-4.270e+05	-2.841e+04	1.03e-03		508.0	-7644.15	6632.92	-118.58	361.31	-2.841e+04	
9.555e+05												
10	49	1.848e+06	5058.48	-0.03	-0.70	0.0	1153.68	-3390.81	-26.16	-9403.37	5058.48	
1.255e+06												
		1151.35	-8211.56	6.60e-03		508.0	1153.68	1.047e+04	-26.16	-1.538e+04	-8211.56	
1.848e+06												
10	52	9.897e+04	4400.35	0.05	-0.65	0.0	2489.42	-1.030e+04	9.92	4055.23	-620.88	
9.897e+04												
		-5.665e+05	-620.88	-5.99e-03		508.0	2489.42	4340.66	9.92	-17.01	4400.35	-
1.593e+05												
10	58	1.570e+06	2.038e+04	0.03	-0.66	0.0	-2357.00	-4685.06	-82.18	-1.170e+04	2.038e+04	
1.069e+06												
		-1.143e+05	-2.142e+04	0.01		508.0	-2357.00	9130.26	-82.18	-1.624e+04	-2.142e+04	
1.570e+06												
10	62	1.052e+06	9710.52	0.11	-0.61	0.0	-5191.57	-6807.31	-43.70	1.194e+04	9710.52	
6.372e+05												
		-3.811e+05	3170.68	0.01		508.0	-5191.57	6446.27	-43.70	1.018e+04	3170.68	
1.052e+06												
10	63	7.169e+05	-5272.93	-0.12	-0.73	0.0	8834.67	-6888.13	27.46	-1.729e+04	-5272.93	
7.169e+05												
		4.668e+04	-6981.89	-9.66e-03		508.0	8834.67	8362.96	27.46	-2.557e+04	-6981.89	
6.366e+05												
10	74	9.236e+05	2.345e+04	0.10	-0.61	0.0	-4928.37	-7270.32	-86.90	376.72	2.345e+04	
7.009e+05												
		-3.449e+05	-2.080e+04	8.20e-04		508.0	-4928.37	6854.37	-86.90	-1950.57	-2.080e+04	
9.236e+05												
10	80	9.969e+05	1993.36	0.01	-0.70	0.0	2087.87	-7103.18	3.13	-1065.47	402.23	
6.863e+05												
		-1.352e+05	402.23	-4.20e-04		508.0	2087.87	8197.43	3.13	-6779.21	1993.36	
9.969e+05												
10	81	9.346e+05	1.152e+04	0.02	-0.69	0.0	2780.10	-7244.41	295.97	-2089.67	-2.464e+04	
7.537e+05												
		-1.123e+05	-3.036e+04	-1.83e-04		508.0	2780.10	7815.42	-318.51	-8159.72	-3.036e+04	
9.346e+05												
10	82	9.003e+05	1.443e+04	0.01	-0.70	0.0	1351.03	-7505.28	-157.22	949.30	1.443e+04	
7.210e+05												
		-1.810e+05	-5989.67	6.07e-04		508.0	1351.03	8116.06	150.02	-4395.65	1.261e+04	
9.003e+05												
10	83	8.693e+05	2289.94	0.01	-0.67	0.0	1881.51	-6964.88	-9.28	-2419.54	2289.94	
6.897e+05												
		-1.430e+05	-2424.05	3.02e-04		508.0	1881.51	7565.57	-9.28	-7717.80	-2424.05	
8.693e+05												
10	84	8.634e+05	1853.29	0.01	-0.68	0.0	1883.56	-7012.90	-6.85	-1903.57	1853.29	
6.959e+05												
		-1.459e+05	-1627.02	3.40e-04		508.0	1883.56	7565.30	-6.85	-7088.63	-1627.02	

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8.634e+05												
10	85	8.446e+05	2218.80	0.01	-0.67	0.0	1821.55	-6847.72	-8.12	-2674.07	2218.80	
6.771e+05												
		-1.440e+05	-1905.61	3.06e-04		508.0	1821.55	7404.61	-8.12	-7698.59	-1905.61	
8.446e+05												
10	86	8.446e+05	2218.80	0.01	-0.67	0.0	1821.55	-6847.72	-8.12	-2674.07	2218.80	
6.771e+05												
		-1.440e+05	-1905.61	3.06e-04		508.0	1821.55	7404.61	-8.12	-7698.59	-1905.61	
8.446e+05												
11	1	1.871e+06	1.195e+05	9.02e-03	-1.03	0.0	-1960.70	-1.995e+04	-515.98	-1.908e+05	1.195e+05	
1.871e+06												
		-1.160e+06	-1.504e+05	-4.62e-03		523.0	-1960.70	1.415e+04	-515.98	-1.883e+05	-1.504e+05	
3.710e+05												
11	5	1.766e+06	8.118e+04	0.01	-1.00	0.0	-2641.20	-1.905e+04	-378.75	-9.883e+04	8.118e+04	
1.766e+06												
		-1.183e+06	-1.169e+05	7.74e-04		523.0	-2641.20	1.316e+04	-378.75	-9.934e+04	-1.169e+05	
2.003e+05												
11	8	1.400e+06	5.313e+04	0.01	-0.84	0.0	-873.83	-1.551e+04	-150.92	-9.026e+04	5.313e+04	
1.400e+06												
		-9.000e+05	-2.580e+04	-2.59e-03		523.0	-873.83	1.154e+04	-150.92	-9.015e+04	-2.580e+04	
3.960e+05												
11	9	1.549e+06	3.914e+04	0.01	-1.01	0.0	-2801.40	-1.837e+04	-5.60	-1.404e+05	3.914e+04	
1.549e+06												
		-1.172e+06	-7.374e+04	-3.38e-03		523.0	-2801.40	1.422e+04	-426.09	-1.430e+05	-7.374e+04	
4.292e+05												
11	11	1.757e+06	1.546e+05	9.15e-03	-0.97	0.0	-1359.84	-1.830e+04	-984.20	-7.796e+04	1.546e+05	
1.757e+06												
		-1.072e+06	-1.402e+05	9.37e-04		523.0	-1359.84	1.236e+04	-143.22	-7.541e+04	-1.402e+05	
2.272e+05												
11	24	-4.047e+05	1.321e+05	-0.10	-0.60	0.0	4644.72	-1.900e+04	-636.12	1.271e+05	1.321e+05	-
4.047e+05												
		-1.482e+06	-2.010e+05	-0.01		523.0	4644.72	5228.53	-636.12	1.323e+05	-2.010e+05	-
1.140e+06												
11	28	-2.659e+05	1.318e+05	0.10	-0.60	0.0	4563.81	-1.879e+04	-627.71	1.011e+05	1.318e+05	-
2.659e+05												
		-1.522e+06	-1.966e+05	-0.02		523.0	4563.81	5702.50	-627.71	1.055e+05	-1.966e+05	-
1.005e+06												
11	29	2.473e+06	1.677e+04	-0.13	-0.98	0.0	-1.031e+04	-9150.21	28.95	-4.866e+05	643.61	
2.473e+06												
		-4.334e+05	643.61	-0.03		523.0	-1.031e+04	1.824e+04	28.95	-5.045e+05	1.677e+04	
1.607e+06												
11	32	-4.371e+05	1.032e+05	0.11	-0.59	0.0	6992.14	-1.529e+04	-467.62	3.506e+05	1.032e+05	-
4.371e+05												
		-1.448e+06	-1.423e+05	0.03		523.0	6992.14	636.98	-467.62	3.681e+05	-1.423e+05	-
1.082e+06												
11	33	2.543e+06	3.363e+04	0.13	-0.98	0.0	-1.020e+04	-8945.87	81.73	-5.011e+05	-1.009e+04	
2.543e+06												
		-4.187e+05	-1.009e+04	-0.03		523.0	-1.020e+04	1.842e+04	81.73	-5.187e+05	3.363e+04	
1.671e+06												
11	56	4318.73	1.091e+05	-0.07	-0.62	0.0	2835.85	-1.706e+04	-516.47	7.114e+04	1.091e+05	
4318.73												
		-1.275e+06	-1.613e+05	-0.01		523.0	2835.85	6448.39	-516.47	7.478e+04	-1.613e+05	-
7.372e+05												
11	60	1.033e+05	1.089e+05	0.07	-0.62	0.0	2778.15	-1.691e+04	-510.45	5.255e+04	1.089e+05	
1.033e+05												
		-1.302e+06	-1.582e+05	-0.02		523.0	2778.15	6786.33	-510.45	5.568e+04	-1.582e+05	-
6.406e+05												
11	61	2.055e+06	1.522e+04	-0.09	-0.90	0.0	-7823.90	-1.003e+04	-41.88	-3.665e+05	1.522e+04	
2.055e+06												
		-5.149e+05	-5977.41	-0.03		523.0	-7823.90	1.571e+04	-41.88	-3.793e+05	-5977.41	
1.221e+06												
11	64	-1.937e+04	8.863e+04	0.07	-0.62	0.0	4509.98	-1.441e+04	-396.79	2.305e+05	8.863e+04	-
1.937e+04												
		-1.237e+06	-1.196e+05	0.02		523.0	4509.98	3166.71	-396.79	2.429e+05	-1.196e+05	-
6.963e+05												
11	65	2.105e+06	7564.51	0.09	-0.90	0.0	-7747.56	-9886.56	-4.24	-3.768e+05	7564.51	

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2.105e+06											
	-5.044e+05	6047.93	-0.02		523.0	-7747.56	1.584e+04	-4.24	-3.894e+05	6047.93	
1.266e+06											
11	77	1.312e+06	8.448e+04	6.08e-03	-0.75	0.0	-1501.82	-1.425e+04	-364.72	-1.334e+05	8.448e+04
1.312e+06											
	-8.421e+05	-1.063e+05	-3.08e-03		523.0	-1501.82	1.028e+04	-364.72	-1.317e+05	-1.063e+05	
2.803e+05											
11	79	1.242e+06	5.896e+04	9.92e-03	-0.73	0.0	-1955.48	-1.365e+04	-273.23	-7.210e+04	5.896e+04
1.242e+06											
	-8.567e+05	-8.394e+04	5.46e-04		523.0	-1955.48	9625.56	-273.23	-7.241e+04	-8.394e+04	
1.665e+05											
11	80	1.095e+06	4.752e+04	5.75e-03	-0.71	0.0	-1069.27	-1.271e+04	-152.43	-7.570e+04	4.752e+04
1.095e+06											
	-7.712e+05	-3.220e+04	-1.72e-03		523.0	-1069.27	9818.34	-152.43	-7.556e+04	-3.220e+04	
3.464e+05											
11	81	1.097e+06	3.094e+04	0.01	-0.74	0.0	-2062.29	-1.319e+04	-24.46	-9.982e+04	3.094e+04
1.097e+06											
	-8.500e+05	-5.516e+04	-2.25e-03		523.0	-2062.29	1.033e+04	-304.79	-1.015e+05	-5.516e+04	
3.191e+05											
11	82	1.236e+06	1.079e+05	5.90e-03	-0.70	0.0	-1101.25	-1.315e+04	-676.86	-5.818e+04	1.079e+05
1.236e+06											
	-7.821e+05	-9.949e+04	6.50e-04		523.0	-1101.25	9089.99	-116.21	-5.645e+04	-9.949e+04	
1.844e+05											
11	83	1.064e+06	6.144e+04	9.21e-03	-0.71	0.0	-1650.42	-1.257e+04	-261.52	-8.795e+04	6.144e+04
1.064e+06											
	-8.060e+05	-7.533e+04	-1.35e-03		523.0	-1650.42	9634.47	-261.52	-8.754e+04	-7.533e+04	
2.732e+05											
11	84	1.062e+06	4.972e+04	9.02e-03	-0.70	0.0	-1605.37	-1.248e+04	-210.00	-6.222e+04	4.972e+04
1.062e+06											
	-8.019e+05	-6.011e+04	-4.21e-04		523.0	-1605.37	9466.28	-210.00	-6.260e+04	-6.011e+04	
2.522e+05											
11	85	1.018e+06	5.192e+04	0.01	-0.70	0.0	-1656.96	-1.222e+04	-219.33	-6.798e+04	5.192e+04
1.018e+06											
	-7.976e+05	-6.279e+04	-6.15e-04		523.0	-1656.96	9440.58	-219.33	-6.817e+04	-6.279e+04	
2.624e+05											
11	86	1.018e+06	5.192e+04	0.01	-0.70	0.0	-1656.96	-1.222e+04	-219.33	-6.798e+04	5.192e+04
1.018e+06											
	-7.976e+05	-6.279e+04	-6.15e-04		523.0	-1656.96	9440.58	-219.33	-6.817e+04	-6.279e+04	
2.624e+05											
12	1	3.748e+06	9.914e+04	0.09	-1.12	0.0	3398.01	-2.870e+04	-432.86	-1.190e+05	9.914e+04
3.748e+06											
	-1.198e+06	-1.273e+05	-3.16e-03		523.0	3398.01	1.298e+04	-432.86	-1.199e+05	-1.273e+05	
7.959e+04											
12	3	3.576e+06	1.331e+05	0.09	-1.10	0.0	3075.29	-2.773e+04	-580.53	-1.714e+05	1.331e+05
3.576e+06											
	-1.190e+06	-1.705e+05	-4.90e-03		523.0	3075.29	1.274e+04	-580.53	-1.699e+05	-1.705e+05	
8.492e+04											
12	5	3.414e+06	1.139e+05	0.07	-1.06	0.0	1845.23	-2.673e+04	-480.36	-1.507e+05	1.139e+05
3.414e+06											
	-1.214e+06	-1.373e+05	-2.67e-03		523.0	1845.23	1.223e+04	-480.36	-1.500e+05	-1.373e+05	
1.644e+05											
12	6	3.020e+06	9.221e+04	0.06	-0.90	0.0	1448.74	-2.365e+04	-385.65	-1.240e+05	9.221e+04
3.020e+06											
	-1.084e+06	-1.095e+05	-2.03e-03		523.0	1448.74	1.076e+04	-385.65	-1.234e+05	-1.095e+05	
1.647e+05											
12	7	3.192e+06	1.281e+05	0.08	-1.05	0.0	2841.42	-2.545e+04	-589.15	-1.493e+05	1.281e+05
3.192e+06											
	-1.038e+06	-1.800e+05	-5.61e-03		523.0	2841.42	1.291e+04	-589.15	-1.488e+05	-1.800e+05	
1.575e+05											
12	13	3.132e+06	8.901e+04	-0.01	-0.79	0.0	-4277.25	-1.150e+04	-380.61	-2.093e+05	8.901e+04
3.132e+06											
	-2.817e+05	-1.100e+05	-1.90e-03		523.0	-4277.25	1.106e+04	-380.61	-2.125e+05	-1.100e+05	
1.229e+06											
12	14	2.945e+06	5.832e+04	0.02	-0.77	0.0	-5246.68	-1.221e+04	-249.05	-4.436e+04	5.832e+04
2.945e+06											
	-3.111e+05	-7.183e+04	0.01		523.0	-5246.68	1.042e+04	-249.05	-4.247e+04	-7.183e+04	

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1.100e+06											
12	15	1.276e+06	1.123e+05	-0.11	-0.70	0.0	7675.28	-2.214e+04	-494.28	-1.674e+05	1.123e+05
1.276e+06											
1.019e+06											-
12	20	1.093e+06	8.800e+04	0.10	-0.69	0.0	6754.79	-2.284e+04	-388.84	-1.969e+04	8.800e+04
1.093e+06											
1.153e+06											-
12	35	2.193e+06	1.446e+05	-0.08	-0.74	0.0	4489.19	-1.732e+04	-626.87	-3.638e+05	1.446e+05
2.193e+06											
2.488e+04											-
12	45	2.838e+06	8.800e+04	7.37e-03	-0.76	0.0	-2701.05	-1.313e+04	-378.21	-1.796e+05	8.800e+04
2.838e+06											
8.876e+05											-
12	46	2.705e+06	6.606e+04	8.29e-03	-0.75	0.0	-3392.24	-1.364e+04	-284.19	-6.202e+04	6.606e+04
2.705e+06											
7.956e+05											-
12	47	1.515e+06	1.046e+05	-0.09	-0.71	0.0	5820.84	-2.071e+04	-459.15	-1.498e+05	1.046e+05
1.515e+06											
7.150e+05											-
12	52	1.385e+06	8.718e+04	0.08	-0.70	0.0	5164.55	-2.121e+04	-383.74	-4.443e+04	8.718e+04
1.385e+06											
8.104e+05											-
12	67	2.169e+06	1.277e+05	-0.07	-0.74	0.0	3549.22	-1.728e+04	-553.98	-2.898e+05	1.277e+05
2.169e+06											
6088.84											-
12	77	2.674e+06	7.574e+04	0.07	-0.82	0.0	2441.56	-2.050e+04	-330.67	-9.123e+04	7.574e+04
2.674e+06											
5.291e+04											-
12	78	2.559e+06	9.838e+04	0.06	-0.80	0.0	2226.41	-1.986e+04	-429.11	-1.262e+05	9.838e+04
2.559e+06											
5.646e+04											-
12	79	2.451e+06	8.559e+04	0.05	-0.77	0.0	1406.38	-1.919e+04	-362.33	-1.124e+05	8.559e+04
2.451e+06											
1.094e+05											-
12	80	2.303e+06	9.505e+04	0.06	-0.77	0.0	2070.50	-1.834e+04	-434.86	-1.114e+05	9.505e+04
2.303e+06											
1.052e+05											-
12	83	2.207e+06	8.072e+04	0.05	-0.74	0.0	1420.36	-1.774e+04	-351.75	-9.880e+04	8.072e+04
2.207e+06											
2.747e+04											-
12	84	2.181e+06	8.885e+04	0.05	-0.74	0.0	1375.51	-1.760e+04	-387.14	-1.114e+05	8.885e+04
2.181e+06											
2.348e+04											-
12	85	2.110e+06	8.532e+04	0.04	-0.73	0.0	1214.30	-1.717e+04	-371.67	-1.059e+05	8.532e+04
2.110e+06											
4.027e+04											-
12	86	2.110e+06	8.532e+04	0.04	-0.73	0.0	1214.30	-1.717e+04	-371.67	-1.059e+05	8.532e+04
2.110e+06											
4.027e+04											-
14	1	1.583e+06	1.015e+05	0.05	-0.96	0.0	161.97	-1.346e+04	328.49	1.712e+05	-7.035e+04

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1.583e+06														
	-6.145e+05	-7.035e+04	0.01		523.0	161.97	7256.58	328.49	1.648e+05	1.015e+05				
8.283e+04														
14	5	1.496e+06	1.067e+05	0.04	-0.93	0.0	-301.50	-1.301e+04	330.22	1.568e+05	-6.598e+04			
1.496e+06														
		-6.514e+05	-6.598e+04	0.01		523.0	-301.50	6948.53	330.22	1.515e+05	1.067e+05			
3674.00														
14	9	1.537e+06	7.904e+04	0.05	-0.91	0.0	654.07	-1.259e+04	830.33	1.368e+05	-1.110e+05			
1.537e+06														
		-5.613e+05	-1.110e+05	0.01		523.0	654.07	6247.15	-118.60	1.304e+05	7.516e+04			
1.059e+04														
14	10	1.322e+06	6.944e+04	0.05	-0.77	0.0	715.97	-1.066e+04	791.50	1.157e+05	-1.031e+05			
1.322e+06														
		-4.678e+05	-1.031e+05	8.27e-03		523.0	715.97	5135.33	-157.43	1.099e+05	6.272e+04	-		
6626.97														
14	11	1.399e+06	9.593e+04	0.03	-0.94	0.0	-627.45	-1.277e+04	13.45	1.675e+05	-3.518e+04			
1.399e+06														
		-6.249e+05	-3.518e+04	0.01		523.0	-627.45	7673.67	487.91	1.629e+05	9.593e+04			
1.524e+05														
14	20	6.077e+05	8.321e+04	0.16	-0.59	0.0	2795.45	-1.230e+04	244.83	1.620e+05	-4.487e+04			
6.077e+05														
		-1.146e+06	-4.487e+04	-1.32e-03		523.0	2795.45	2905.33	244.83	1.613e+05	8.321e+04	-		
9.360e+05														
14	29	1.660e+06	6.180e+04	-0.25	-0.88	0.0	3872.98	-6997.92	208.17	-3.206e+04	-4.714e+04			
1.660e+06														
		-8.490e+04	-4.714e+04	-0.01		523.0	3872.98	1.113e+04	208.17	-4.330e+04	6.180e+04			
1.026e+06														
14	30	4.782e+05	2.571e+04	0.25	-0.54	0.0	-6702.73	-8315.09	82.42	2.072e+05	-1.731e+04			
4.782e+05														
		-6.051e+05	-1.731e+04	0.03		523.0	-6702.73	-1146.84	82.42	2.109e+05	2.571e+04	-		
3.902e+05														
14	31	1.502e+06	8.637e+04	-0.29	-0.80	0.0	6537.83	-9005.36	275.03	-9970.37	-5.755e+04			
1.502e+06														
		-5.063e+05	-5.755e+04	-0.02		523.0	6537.83	1.081e+04	275.03	-2.064e+04	8.637e+04			
5.061e+05														
14	39	1.311e+06	1.143e+05	-0.26	-0.76	0.0	6461.66	-8667.81	363.22	2.103e+04	-7.570e+04			
1.311e+06														
		-4.891e+05	-7.570e+04	2.18e-03		523.0	6461.66	9290.44	363.22	1.174e+04	1.143e+05			
2.251e+05														
14	52	7.176e+05	7.541e+04	0.12	-0.61	0.0	1969.31	-1.126e+04	225.83	1.438e+05	-4.273e+04			
7.176e+05														
		-9.322e+05	-4.273e+04	2.12e-03		523.0	1969.31	3459.21	225.83	1.423e+05	7.541e+04	-		
6.506e+05														
14	61	1.468e+06	6.019e+04	-0.19	-0.80	0.0	2738.09	-7474.65	199.89	5440.01	-4.439e+04			
1.468e+06														
		-1.757e+05	-4.439e+04	-6.38e-03		523.0	2738.09	9320.17	199.89	-3573.19	6.019e+04			
7.479e+05														
14	62	6.251e+05	3.437e+04	0.19	-0.57	0.0	-4802.98	-8414.57	109.89	1.760e+05	-2.304e+04			
6.251e+05														
		-5.186e+05	-2.304e+04	0.03		523.0	-4802.98	567.93	109.89	1.777e+05	3.437e+04	-		
2.616e+05														
14	63	1.356e+06	7.772e+04	-0.22	-0.74	0.0	4638.07	-8905.88	247.56	2.119e+04	-5.182e+04			
1.356e+06														
		-4.724e+05	-5.182e+04	-0.01		523.0	4638.07	9091.16	247.56	1.258e+04	7.772e+04			
3.775e+05														
14	71	1.219e+06	9.760e+04	-0.19	-0.72	0.0	4583.78	-8665.49	310.35	4.329e+04	-6.474e+04			
1.219e+06														
		-4.528e+05	-6.474e+04	3.80e-03		523.0	4583.78	8010.60	310.35	3.567e+04	9.760e+04			
1.772e+05														
14	77	1.151e+06	7.317e+04	0.03	-0.70	0.0	80.47	-9831.68	236.25	1.235e+05	-5.039e+04			
1.151e+06														
		-4.512e+05	-5.039e+04	9.03e-03		523.0	80.47	5331.86	236.25	1.190e+05	7.317e+04			
6.287e+04														
14	79	1.093e+06	7.668e+04	0.03	-0.68	0.0	-228.51	-9529.81	237.41	1.139e+05	-4.748e+04			
1.093e+06														
		-4.759e+05	-4.748e+04	9.67e-03		523.0	-228.51	5126.49	237.41	1.101e+05	7.668e+04			

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2.033e+05											
	-1.247e+05	-4.970e+04	-2.85e-03		495.0	328.86	2932.14	161.42	2289.07	3.083e+04	
4.204e+05											
126	57	3.913e+05	2.867e+04	0.02	-0.80	0.0	493.35	1375.50	170.01	4815.92	-5.624e+04
1.025e+05											
		-1.295e+05	-5.624e+04	8.70e-03		495.0	493.35	2736.50	170.01	5495.68	2.867e+04
3.913e+05											
126	61	4.096e+05	3.692e+04	0.01	-0.79	0.0	1985.97	1997.84	154.25	-7130.42	-4.125e+04
4.096e+05											
		-2.610e+04	-4.125e+04	-8.88e-03		495.0	1985.97	3308.61	154.25	-7614.98	3.692e+04
3.905e+05											
126	64	-8.597e+04	2990.29	-0.01	-0.75	0.0	-3338.07	-2498.57	-36.34	7.267e+04	2990.29
9.435e+05											
		-9.435e+05	-1.681e+04	0.01		495.0	-3338.07	390.78	-36.34	7.094e+04	-1.681e+04
8.597e+04											
126	65	3.865e+05	3.640e+04	0.01	-0.79	0.0	2100.02	1910.10	154.79	-6293.32	-4.222e+04
3.865e+05											
		-2.521e+04	-4.222e+04	-7.27e-03		495.0	2100.02	3261.17	154.79	-6851.06	3.640e+04
3.819e+05											
126	68	-7.733e+04	3965.20	-0.01	-0.75	0.0	-3452.12	-2410.83	-36.88	7.183e+04	3965.20
9.204e+05											
		-9.204e+05	-1.629e+04	0.01		495.0	-3452.12	438.23	-36.88	7.017e+04	-1.629e+04
7.733e+04											
126	77	3.672e+05	3278.54	2.19e-03	-0.87	0.0	269.31	1504.66	16.06	2.691e+04	-4672.20
5.418e+05											
		-5.418e+05	-4672.20	2.28e-03		495.0	269.31	2187.69	16.06	2.486e+04	3278.54
3.672e+05											
126	80	1.503e+05	1.147e+04	-0.02	-0.82	0.0	-158.00	-486.95	66.69	3.710e+04	-2.154e+04
2.241e+05											
		-2.454e+05	-2.154e+04	9.09e-04		495.0	-158.00	1872.97	66.69	3.544e+04	1.147e+04
1.503e+05											
126	81	8.383e+04	1.174e+04	-0.02	-0.82	0.0	-56.90	-917.21	63.69	3.906e+04	-1.979e+04
1.029e+05											
		-1.768e+05	-1.979e+04	1.92e-03		495.0	-56.90	1529.46	63.69	3.759e+04	1.174e+04
8.383e+04											
126	82	1.296e+05	6833.71	-0.02	-0.82	0.0	-1061.56	-477.65	43.15	3.076e+04	-1.452e+04
2.521e+05											
		-2.723e+05	-1.452e+04	1.83e-03		495.0	-1061.56	1882.09	43.15	2.929e+04	6833.71
1.296e+05											
126	83	2.391e+05	7999.86	-5.69e-03	-0.79	0.0	-462.18	480.53	45.89	3.000e+04	-1.471e+04
3.877e+05											
		-3.877e+05	-1.471e+04	1.76e-03		495.0	-462.18	2011.39	45.89	2.870e+04	7999.86
2.391e+05											
126	84	9.927e+04	1.064e+04	-0.02	-0.78	0.0	-640.09	-717.78	62.71	3.485e+04	-2.041e+04
1.837e+05											
		-2.288e+05	-2.041e+04	1.66e-03		495.0	-640.09	1726.20	62.71	3.368e+04	1.064e+04
9.927e+04											
126	85	1.523e+05	1.006e+04	-0.01	-0.77	0.0	-676.05	-250.36	58.96	3.277e+04	-1.913e+04
2.669e+05											
		-2.731e+05	-1.913e+04	1.62e-03		495.0	-676.05	1849.70	58.96	3.166e+04	1.006e+04
1.523e+05											
126	86	1.523e+05	1.006e+04	-0.01	-0.77	0.0	-676.05	-250.36	58.96	3.277e+04	-1.913e+04
2.669e+05											
		-2.731e+05	-1.913e+04	1.62e-03		495.0	-676.05	1849.70	58.96	3.166e+04	1.006e+04
1.523e+05											
127	2	2.829e+05	4453.19	-0.01	-1.06	0.0	661.07	-1169.50	30.35	1.133e+04	-1.057e+04
1.675e+04											
		-1.082e+05	-1.057e+04	1.85e-04		495.0	661.07	2278.72	30.35	1.102e+04	4453.19
2.829e+05											
127	3	8.901e+05	7439.83	-0.07	-1.19	0.0	-259.13	-6792.89	46.48	1.427e+04	-1.557e+04
8.901e+05											
		-4.186e+05	-1.557e+04	-1.78e-04		495.0	-259.13	1098.35	46.48	1.400e+04	7439.83
3.723e+05											
127	7	5.172e+05	8904.19	-0.05	-1.14	0.0	-367.00	-4756.55	53.10	1.556e+04	-1.738e+04
5.172e+05											
		-2.662e+05	-1.738e+04	-1.46e-03		495.0	-367.00	1697.34	53.10	1.523e+04	8904.19

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1.364e+05	11	3.929e+05	6136.79	-0.04	-1.14	0.0	-1502.06	-4380.32	39.18	1.202e+04	-1.326e+04	
3.929e+05		-2.760e+05	-1.326e+04	1.56e-04		495.0	-1502.06	2005.48	39.18	1.182e+04	6136.79	-
9.581e+04	25	5.357e+05	1.948e+04	0.03	-0.80	0.0	239.42	-1848.78	122.17	-1.009e+04	-4.144e+04	
5.357e+05		-1.480e+05	-4.144e+04	0.01		495.0	239.42	2093.38	122.17	-8847.97	1.948e+04	
7.551e+04	28	-4.565e+04	2.116e+04	-0.03	-0.78	0.0	-1622.21	-3871.06	-61.32	2.810e+04	2.116e+04	-
4.565e+04		-2.470e+05	-9640.19	-0.01		495.0	-1622.21	801.78	-61.32	2.672e+04	-9640.19	-
1.581e+05	29	1.157e+06	1.222e+04	0.04	-0.82	0.0	2084.89	173.97	37.55	-4001.89	-8245.07	
1.157e+06		-1.436e+05	-8245.07	-0.01		495.0	2084.89	3408.69	37.55	-3499.38	1.222e+04	
2.643e+05	32	-2.066e+05	-2377.01	-0.02	-0.76	0.0	-3467.68	-5893.81	23.30	2.201e+04	-1.204e+04	-
6.667e+05		-6.667e+05	-1.204e+04	0.01		495.0	-3467.68	-513.53	23.30	2.137e+04	-2377.01	-
3.469e+05	49	4.621e+05	1.610e+04	-0.03	-0.80	0.0	-21.01	-2076.49	93.70	-7917.27	-3.034e+04	
4.621e+05		-1.554e+05	-3.034e+04	2.84e-03		495.0	-21.01	1939.92	93.70	-6892.40	1.610e+04	
5.040e+04	57	4.523e+05	1.530e+04	0.03	-0.80	0.0	-27.77	-2139.18	95.84	-4607.29	-3.246e+04	
4.523e+05		-1.558e+05	-3.246e+04	8.13e-03		495.0	-27.77	1908.01	95.84	-3744.21	1.530e+04	
4.198e+04	61	8.951e+05	1.012e+04	0.03	-0.81	0.0	1288.12	-696.73	35.45	-269.12	-8774.92	
8.951e+05		-1.527e+05	-8774.92	-0.01		495.0	1288.12	2845.93	35.45	68.57	1.012e+04	
1.766e+05	64	-1.975e+05	-286.32	-0.02	-0.77	0.0	-2670.91	-5023.11	25.40	1.828e+04	-1.151e+04	-
4.051e+05		-4.335e+05	-1.151e+04	0.01		495.0	-2670.91	49.23	25.40	1.780e+04	-286.32	-
2.592e+05	77	1.694e+05	4226.61	-0.02	-0.89	0.0	419.92	-1866.79	27.88	9742.15	-9571.76	
1.114e+05		-9.585e+04	-9571.76	1.54e-04		495.0	419.92	1938.82	27.88	9505.47	4226.61	
1.694e+05	78	6.424e+05	5463.02	-0.05	-0.87	0.0	-181.07	-4963.45	34.04	1.039e+04	-1.139e+04	
6.424e+05		-2.979e+05	-1.139e+04	-1.22e-04		495.0	-181.07	900.10	34.04	1.019e+04	5463.02	-
2.559e+05	80	3.938e+05	6439.25	-0.04	-0.84	0.0	-252.98	-3605.89	38.46	1.125e+04	-1.260e+04	
3.938e+05		-1.986e+05	-1.260e+04	-9.76e-04		495.0	-252.98	1299.43	38.46	1.102e+04	6439.25	-
9.865e+04	82	3.109e+05	4594.32	-0.03	-0.84	0.0	-1009.69	-3355.06	29.18	8888.60	-9847.50	
3.109e+05		-2.048e+05	-9847.50	1.17e-04		495.0	-1009.69	1504.85	29.18	8745.95	4594.32	-
7.156e+04	83	1.501e+05	4643.73	-0.02	-0.80	0.0	-446.78	-2275.67	29.18	9018.14	-9800.66	
1.501e+05		-1.443e+05	-9800.66	1.26e-04		495.0	-446.78	1666.14	29.18	8917.15	4643.73	
4.956e+04	84	3.435e+05	5083.17	-0.03	-0.80	0.0	-638.25	-3397.48	31.40	9280.81	-1.046e+04	
3.435e+05		-2.058e+05	-1.046e+04	1.16e-04		495.0	-638.25	1294.37	31.40	9189.56	5083.17	-
1.024e+05	85	2.450e+05	4919.31	-0.03	-0.79	0.0	-691.39	-2859.92	30.43	9005.90	-1.014e+04	
2.450e+05		-1.793e+05	-1.014e+04	1.17e-04		495.0	-691.39	1447.58	30.43	8934.01	4919.31	-
4.130e+04	86	2.450e+05	4919.31	-0.03	-0.79	0.0	-691.39	-2859.92	30.43	9005.90	-1.014e+04	

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2.450e+05		-1.793e+05	-1.014e+04	1.17e-04		495.0	-691.39	1447.58	30.43	8934.01	4919.31	-
4.130e+04		2.829e+05	1.057e+04	-0.01	-1.06	0.0	661.07	-1169.50	-30.35	-1.133e+04	1.057e+04	-
1.675e+04	128	2										
2.829e+05	128	3	8.901e+05	1.557e+04	-0.07	-1.19	0.0	-259.13	-6792.89	-46.48	-1.427e+04	1.557e+04
8.901e+05	128	3										
3.723e+05	128	5	5.172e+05	1.738e+04	-0.05	-1.14	0.0	-367.00	-4756.55	-53.10	-1.556e+04	1.738e+04
5.172e+05	128	5										
1.364e+05	128	11	3.929e+05	1.326e+04	-0.04	-1.14	0.0	-1502.06	-4380.32	-39.18	-1.202e+04	1.326e+04
3.929e+05	128	11										
9.581e+04	128	22	3.042e+04	9640.19	-0.03	-0.78	0.0	-1622.21	-3518.66	61.32	-2.267e+04	-2.116e+04
3.042e+04	128	22										
8.988e+04	128	23	4.596e+05	4.144e+04	0.03	-0.79	0.0	239.42	-2201.18	-122.17	4663.18	4.144e+04
4.596e+05	128	23										
7284.24	128	37	1.150e+06	-3656.81	-0.04	-0.82	0.0	1972.15	144.08	10.22	-2.342e+04	-6876.88
1.150e+06	128	37										
2.598e+05	128	38	-1.958e+05	1.204e+04	-0.02	-0.76	0.0	-3467.68	-5705.75	-23.30	-7339.25	1.204e+04
6.285e+05	128	38										
3.150e+05	128	39	1.119e+06	8245.07	0.04	-0.81	0.0	2084.89	-14.09	-37.55	-1.067e+04	8245.07
1.119e+06	128	39										
2.324e+05	128	40	-2.084e+05	2.716e+04	0.02	-0.76	0.0	-3354.94	-5863.92	-71.08	5406.16	2.716e+04
6.597e+05	128	40										
3.424e+05	128	47	3.883e+05	3.034e+04	0.03	-0.79	0.0	-21.01	-2452.69	-93.70	4049.66	3.034e+04
3.883e+05	128	47										
1.507e+04	128	55	3.981e+05	3.246e+04	0.03	-0.79	0.0	-27.77	-2390.00	-95.84	739.68	3.246e+04
3.981e+05	128	55										
6639.70	128	69	8.901e+05	-2006.09	-0.03	-0.81	0.0	1207.75	-718.04	-1.39	-1.928e+04	-2006.09
8.901e+05	128	69										
1.734e+05	128	70	-1.865e+05	1.151e+04	-0.03	-0.77	0.0	-2670.91	-4889.08	-25.40	-7817.09	1.151e+04
3.778e+05	128	70										
2.365e+05	128	71	8.679e+05	8774.92	0.03	-0.81	0.0	1288.12	-830.76	-35.45	-1.019e+04	8774.92
8.679e+05	128	71										
1.539e+05	128	72	-1.977e+05	2.229e+04	0.03	-0.77	0.0	-2590.54	-5001.80	-59.46	1270.20	2.229e+04
4.001e+05	128	72										
			-4.304e+05	-5814.80	-0.01		495.0	-2590.54	62.10	-59.46	858.27	-5814.80

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2.560e+05											
128	77	1.694e+05	9571.76	-0.02	-0.89	0.0	419.92	-1866.79	-27.88	-9742.15	9571.76
1.114e+05											
		-9.585e+04	-4226.61	-1.54e-04		495.0	419.92	1938.82	-27.88	-9505.47	-4226.61
1.694e+05											
128	78	6.424e+05	1.139e+04	-0.05	-0.87	0.0	-181.07	-4963.45	-34.04	-1.039e+04	1.139e+04
6.424e+05											
		-2.979e+05	-5463.02	1.22e-04		495.0	-181.07	900.10	-34.04	-1.019e+04	-5463.02
2.559e+05											
128	79	3.938e+05	1.260e+04	-0.04	-0.84	0.0	-252.98	-3605.89	-38.46	-1.125e+04	1.260e+04
3.938e+05											
		-1.986e+05	-6439.25	9.76e-04		495.0	-252.98	1299.43	-38.46	-1.102e+04	-6439.25
9.865e+04											
128	82	3.109e+05	9847.50	-0.03	-0.84	0.0	-1009.69	-3355.06	-29.18	-8888.60	9847.50
3.109e+05											
		-2.048e+05	-4594.32	-1.17e-04		495.0	-1009.69	1504.85	-29.18	-8745.95	-4594.32
7.156e+04											
128	83	1.501e+05	9800.66	-0.02	-0.80	0.0	-446.78	-2275.67	-29.18	-9018.14	9800.66
1.501e+05											
		-1.443e+05	-4643.73	-1.26e-04		495.0	-446.78	1666.14	-29.18	-8917.15	-4643.73
4.956e+04											
128	84	3.435e+05	1.046e+04	-0.03	-0.80	0.0	-638.25	-3397.48	-31.40	-9280.81	1.046e+04
3.435e+05											
		-2.058e+05	-5083.17	-1.16e-04		495.0	-638.25	1294.37	-31.40	-9189.56	-5083.17
1.024e+05											
128	85	2.450e+05	1.014e+04	-0.03	-0.79	0.0	-691.39	-2859.92	-30.43	-9005.90	1.014e+04
2.450e+05											
		-1.793e+05	-4919.31	-1.17e-04		495.0	-691.39	1447.58	-30.43	-8934.01	-4919.31
4.130e+04											
128	86	2.450e+05	1.014e+04	-0.03	-0.79	0.0	-691.39	-2859.92	-30.43	-9005.90	1.014e+04
2.450e+05											
		-1.793e+05	-4919.31	-1.17e-04		495.0	-691.39	1447.58	-30.43	-8934.01	-4919.31
4.130e+04											
129	1	5.377e+05	3085.05	5.58e-03	-1.20	0.0	409.23	2608.20	-12.26	-3.480e+04	3085.05
8.263e+05											
		-8.263e+05	-2983.37	-3.19e-03		495.0	409.23	2966.74	-12.26	-3.189e+04	-2983.37
5.377e+05											
129	2	5.182e+05	-81.71	-0.01	-1.04	0.0	417.14	3135.00	5.49	-2.647e+04	-2799.83
8.465e+05											
		-8.465e+05	-2799.83	-2.84e-03		495.0	417.14	2494.55	5.49	-2.377e+04	-81.71
5.182e+05											
129	5	2.125e+05	2.839e+04	-0.02	-1.12	0.0	-231.72	-379.22	-88.20	-5.010e+04	2.839e+04
3.496e+05											
		-3.600e+05	-1.527e+04	-1.13e-03		495.0	-231.72	2494.67	-88.20	-4.776e+04	-1.527e+04
2.125e+05											
129	9	1.127e+05	2.576e+04	-0.02	-1.12	0.0	-80.07	-1024.61	-83.70	-5.304e+04	2.576e+04
1.679e+05											
		-2.425e+05	-1.567e+04	-2.64e-03		495.0	-80.07	1979.40	-83.70	-5.098e+04	-1.567e+04
1.127e+05											
129	11	1.814e+05	1.786e+04	-0.02	-1.12	0.0	-1587.07	-365.27	-52.89	-4.059e+04	1.786e+04
3.917e+05											
		-4.010e+05	-8316.12	-2.50e-03		495.0	-1587.07	2508.34	-52.89	-3.852e+04	-8316.12
1.814e+05											
129	23	4.363e+04	7.117e+04	0.04	-0.75	0.0	964.46	-1204.71	-214.69	-2.055e+04	7.117e+04
3.642e+05											
		-3.642e+05	-3.616e+04	-0.01		495.0	964.46	1532.04	-214.69	-2.193e+04	-3.616e+04
4.363e+04											
129	37	6.514e+05	2.793e+04	-0.02	-0.80	0.0	2865.67	2758.84	-124.16	-9.063e+04	2.793e+04
6.514e+05											
		1.028e+04	-3.598e+04	0.01		495.0	2865.67	3821.56	-124.16	-8.844e+04	-3.598e+04
4.650e+05											
129	39	4.042e+05	5.006e+04	0.02	-0.77	0.0	3057.00	1553.22	-192.48	-7.264e+04	5.006e+04
4.042e+05											
		-8.033e+04	-4.773e+04	0.01		495.0	3057.00	3225.30	-192.48	-7.217e+04	-4.773e+04
2.831e+05											
129	40	1.156e+05	1.586e+04	0.03	-0.75	0.0	-4217.76	-3259.56	6.25	2.509e+04	1.033e+04

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1.523e+05 130	5	1.188e+06	1.512e+05	5.99e-03	-0.96	0.0	1363.88	-8631.39	181.20	8.159e+04	-1.355e+05	
1.188e+06		4.638e+04	-1.355e+05	2.97e-03		495.0	1363.88	7597.51	977.16	8.900e+04	1.512e+05	
9.181e+05 130	9	1.489e+06	9939.52	0.01	-0.98	0.0	1540.46	-9321.94	124.85	7504.62	-5.186e+04	
1.489e+06		1.973e+05	-5.186e+04	5.06e-04		495.0	1540.46	7593.65	124.85	1.279e+04	9939.52	
1.030e+06 130	12	7.968e+05	3.145e+04	3.01e-03	-0.82	0.0	651.92	-7213.07	214.63	3.549e+04	-7.479e+04	
7.968e+05		-1.406e+05	-7.479e+04	6.65e-04		495.0	651.92	6419.41	214.63	4.018e+04	3.145e+04	
6.087e+05 130	22	1.022e+06	1.714e+05	-0.13	-0.77	0.0	5322.82	-2105.29	956.79	-4.080e+04	-3.027e+05	
9.939e+05		4.712e+04	-3.027e+05	0.01		495.0	5322.82	5746.13	956.79	-4.671e+04	1.714e+05	
1.022e+06 130	23	5.373e+05	2.190e+05	0.15	-0.64	0.0	-3636.48	-9780.29	-737.85	7.592e+04	2.190e+05	
5.373e+05		-1.367e+05	-1.467e+05	-0.01		495.0	-3636.48	5637.21	-737.85	8.764e+04	-1.467e+05	
3.492e+05 130	25	1.958e+06	1.288e+05	-0.16	-0.78	0.0	6218.96	-865.76	805.12	-1.043e+05	-2.685e+05	
1.958e+06		8.512e+05	-2.685e+05	0.01		495.0	6218.96	6858.47	805.12	-1.100e+05	1.288e+05	
1.836e+06 130	28	-4.269e+05	1.848e+05	0.14	-0.60	0.0	-4532.63	-1.102e+04	-586.19	1.394e+05	1.848e+05	-
4.269e+05		-9.058e+05	-1.041e+05	-0.01		495.0	-4532.63	4524.87	-586.19	1.510e+05	-1.041e+05	-
4.654e+05 130	37	2.878e+06	-4560.35	-0.12	-0.78	0.0	3937.39	-2139.49	163.63	-1.122e+05	-8.035e+04	
2.878e+06		1.554e+06	-8.035e+04	0.01		495.0	3937.39	7778.84	163.63	-1.117e+05	-4560.35	
2.350e+06 130	44	-1.035e+06	3.175e+04	0.10	-0.64	0.0	-2523.61	-9527.23	60.26	1.439e+05	-3305.06	-
1.280e+06		-1.623e+06	-3305.06	-0.02		495.0	-2523.61	3595.08	60.26	1.488e+05	3.175e+04	-
1.035e+06 130	54	9.277e+05	1.256e+05	-0.09	-0.74	0.0	4034.11	-3210.94	713.39	-2.394e+04	-2.278e+05	
9.277e+05		4.176e+04	-2.278e+05	8.50e-03		495.0	4034.11	5727.48	713.39	-2.733e+04	1.256e+05	
9.252e+05 130	55	6.035e+05	1.441e+05	0.11	-0.65	0.0	-2347.78	-8674.64	-494.45	5.906e+04	1.441e+05	
6.035e+05		-8.628e+04	-1.010e+05	-7.71e-03		495.0	-2347.78	5655.86	-494.45	6.826e+04	-1.010e+05	
4.459e+05 130	57	1.616e+06	9.527e+04	-0.11	-0.75	0.0	4675.78	-2319.88	605.23	-6.922e+04	-2.034e+05	
1.616e+06		6.132e+05	-2.034e+05	8.22e-03		495.0	4675.78	6527.29	605.23	-7.248e+04	9.527e+04	
1.506e+06 130	60	-8.487e+04	1.197e+05	0.10	-0.62	0.0	-2989.45	-9565.70	-386.29	1.043e+05	1.197e+05	-
8.487e+04		-6.346e+05	-7.062e+04	-7.43e-03		495.0	-2989.45	4856.05	-386.29	1.134e+05	-7.062e+04	-
1.352e+05 130	69	2.273e+06	267.66	-0.08	-0.75	0.0	3052.16	-3218.96	147.97	-7.494e+04	-6.923e+04	
2.273e+06		1.109e+06	-6.923e+04	0.01		495.0	3052.16	7192.17	147.97	-7.376e+04	267.66	
1.873e+06 130	76	-5.416e+05	2.620e+04	0.07	-0.65	0.0	-1559.99	-8510.49	74.51	1.076e+05	-1.444e+04	-
6.942e+05		-1.155e+06	-1.444e+04	-0.01		495.0	-1559.99	4184.43	74.51	1.120e+05	2.620e+04	-
5.416e+05 130	79	8.845e+05	1.017e+05	-4.07e-03	-0.71	0.0	1014.98	-6434.10	129.63	5.466e+04	-9.378e+04	
8.845e+05		3.240e+04	-9.378e+04	1.99e-03		495.0	1014.98	5644.63	660.27	5.989e+04	1.017e+05	
6.795e+05 130	81	1.085e+06	7525.30	8.50e-03	-0.71	0.0	1132.70	-6894.46	92.06	5264.93	-3.805e+04	

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1.085e+06											
7.541e+05		1.330e+05 -3.805e+04	3.72e-04		495.0	1132.70	5642.06	92.06	9080.04	7525.30	
130	82	7.618e+05 2.321e+04	-2.02e-03	-0.71	0.0	698.92	-6508.30	165.16	2.432e+04	-5.854e+04	
7.618e+05		-8.922e+04 -5.854e+04	5.31e-04		495.0	698.92	5728.66	165.16	2.818e+04	2.321e+04	
5.743e+05											
130	83	7.673e+05 1.742e+04	8.54e-03	-0.70	0.0	883.29	-5872.04	140.23	2.440e+04	-5.199e+04	
7.673e+05		2.069e+04 -5.199e+04	5.14e-04		495.0	883.29	5737.21	140.23	2.781e+04	1.742e+04	
7.123e+05											
130	84	8.232e+05 1.129e+04	5.11e-03	-0.69	0.0	885.40	-6258.63	104.66	1.351e+04	-4.051e+04	
8.232e+05		6313.51 -4.051e+04	5.23e-04		495.0	885.40	5685.75	104.66	1.659e+04	1.129e+04	
6.689e+05											
130	85	7.656e+05 1.232e+04	7.12e-03	-0.68	0.0	843.17	-5942.79	109.47	1.756e+04	-4.186e+04	
7.656e+05		5055.48 -4.186e+04	5.42e-04		495.0	843.17	5691.67	109.47	2.046e+04	1.232e+04	
6.855e+05											
130	86	7.656e+05 1.232e+04	7.12e-03	-0.68	0.0	843.17	-5942.79	109.47	1.756e+04	-4.186e+04	
7.656e+05		5055.48 -4.186e+04	5.42e-04		495.0	843.17	5691.67	109.47	2.046e+04	1.232e+04	
6.855e+05											
131	1	1.871e+06 1.195e+05	9.02e-03	-1.03	0.0	-1960.70	-1.415e+04	515.98	1.883e+05	-1.504e+05	
3.710e+05		-1.160e+06 -1.504e+05	4.62e-03		523.0	-1960.70	1.995e+04	515.98	1.908e+05	1.195e+05	
1.871e+06											
131	6	1.400e+06 5.313e+04	0.01	-0.84	0.0	-873.83	-1.154e+04	150.92	9.015e+04	-2.580e+04	
3.960e+05		-9.000e+05 -2.580e+04	2.59e-03		523.0	-873.83	1.551e+04	150.92	9.026e+04	5.313e+04	
1.400e+06											
131	7	1.766e+06 8.118e+04	0.01	-1.00	0.0	-2641.20	-1.316e+04	378.75	9.934e+04	-1.169e+05	
2.003e+05		-1.183e+06 -1.169e+05	6.38e-04		523.0	-2641.20	1.905e+04	378.75	9.883e+04	8.118e+04	
1.766e+06											
131	9	1.549e+06 3.914e+04	0.01	-1.01	0.0	-2801.40	-1.422e+04	426.09	1.430e+05	-7.374e+04	
4.292e+05		-1.172e+06 -7.374e+04	3.38e-03		523.0	-2801.40	1.837e+04	5.60	1.404e+05	3.914e+04	
1.549e+06											
131	11	1.757e+06 1.546e+05	9.15e-03	-0.97	0.0	-1359.84	-1.236e+04	143.22	7.541e+04	-1.402e+05	
2.272e+05		-1.072e+06 -1.402e+05	1.40e-03		523.0	-1359.84	1.830e+04	984.20	7.796e+04	1.546e+05	
1.757e+06											
131	24	-2.872e+05 4.351e+04	0.19	-0.60	0.0	-3653.88	-1.319e+04	-89.80	2.427e+05	4.351e+04	-
1.027e+06		-1.507e+06 -3471.07	-0.03		523.0	-3653.88	5701.56	-89.80	2.379e+05	-3471.07	-
2.872e+05											
131	26	1.698e+06 1.321e+05	-0.20	-0.80	0.0	4644.72	-1.031e+04	636.12	1.246e+05	-2.010e+05	
9.952e+05		-6.506e+05 -2.010e+05	0.01		523.0	4644.72	1.805e+04	636.12	1.194e+05	1.321e+05	
1.698e+06											
131	38	-1563.14 1.032e+05	-0.14	-0.63	0.0	6992.14	-1.757e+04	467.62	4.882e+05	-1.423e+05	-
6.259e+05		-1.282e+06 -1.423e+05	-0.03		523.0	6992.14	1.212e+04	467.62	4.713e+05	1.032e+05	-
1563.14											
131	39	2.037e+06 1.677e+04	0.16	-0.86	0.0	-1.031e+04	-1315.86	-28.95	-3.519e+05	1.677e+04	
1.151e+06		-8.662e+05 643.61	0.03		523.0	-1.031e+04	1.233e+04	-28.95	-3.353e+05	643.61	
2.037e+06											
131	41	2.603e+06 3.051e+04	-0.15	-0.96	0.0	-7733.73	-495.94	133.52	-3.808e+05	-3.841e+04	
1.733e+06		-4.421e+05 -3.841e+04	0.04		523.0	-7733.73	1.594e+04	133.52	-3.638e+05	3.051e+04	
2.603e+06											
131	56	8.809e+04 1.291e+04	0.13	-0.62	0.0	-3080.38	-1.210e+04	-0.78	1.926e+05	1.291e+04	-
6.562e+05		-1.293e+06 1.249e+04	-0.02		523.0	-3080.38	7574.03	-0.78	1.891e+05	1.249e+04	

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8.809e+04 131	58	1.502e+06	1.091e+05	-0.14	-0.77	0.0	2835.85	-1.007e+04	516.47	1.084e+05	-1.613e+05
7.843e+05		-6.513e+05	-1.613e+05	0.01		523.0	2835.85	1.638e+04	516.47	1.047e+05	1.091e+05
1.502e+06 131	70	2.908e+05	8.863e+04	-0.10	-0.65	0.0	4509.98	-1.524e+04	396.79	3.677e+05	-1.196e+05
3.710e+05		-1.086e+06	-1.196e+05	-0.02		523.0	4509.98	1.215e+04	396.79	3.555e+05	8.863e+04
2.908e+05 131	71	1.745e+06	1.522e+04	0.12	-0.81	0.0	-7823.90	-3644.79	41.88	-2.313e+05	-5977.41
8.958e+05		-8.234e+05	-5977.41	0.03		523.0	-7823.90	1.230e+04	41.88	-2.196e+05	1.522e+04
1.745e+06 131	73	2.148e+06	3.649e+04	-0.11	-0.89	0.0	-5990.00	-3066.46	157.61	-2.519e+05	-4.528e+04
1.311e+06		-5.210e+05	-4.528e+04	0.03		523.0	-5990.00	1.488e+04	157.61	-2.399e+05	3.649e+04
2.148e+06 131	77	1.312e+06	8.448e+04	6.08e-03	-0.75	0.0	-1501.82	-1.028e+04	364.72	1.317e+05	-1.063e+05
2.803e+05		-8.421e+05	-1.063e+05	3.08e-03		523.0	-1501.82	1.425e+04	364.72	1.334e+05	8.448e+04
1.312e+06 131	79	1.095e+06	4.752e+04	5.75e-03	-0.71	0.0	-1069.27	-9818.34	152.43	7.556e+04	-3.220e+04
3.464e+05		-7.712e+05	-3.220e+04	1.72e-03		523.0	-1069.27	1.271e+04	152.43	7.570e+04	4.752e+04
1.095e+06 131	80	1.242e+06	5.896e+04	9.92e-03	-0.73	0.0	-1955.48	-9625.56	273.23	7.241e+04	-8.394e+04
1.665e+05		-8.567e+05	-8.394e+04	4.54e-04		523.0	-1955.48	1.365e+04	273.23	7.210e+04	5.896e+04
1.242e+06 131	81	1.097e+06	3.094e+04	0.01	-0.74	0.0	-2062.29	-1.033e+04	304.79	1.015e+05	-5.516e+04
3.191e+05		-8.500e+05	-5.516e+04	2.25e-03		523.0	-2062.29	1.319e+04	24.46	9.982e+04	3.094e+04
1.097e+06 131	82	1.236e+06	1.079e+05	5.90e-03	-0.70	0.0	-1101.25	-9089.99	116.21	5.645e+04	-9.949e+04
1.844e+05		-7.821e+05	-9.949e+04	9.57e-04		523.0	-1101.25	1.315e+04	676.86	5.818e+04	1.079e+05
1.236e+06 131	83	1.064e+06	6.144e+04	9.21e-03	-0.71	0.0	-1650.42	-9634.47	261.52	8.754e+04	-7.533e+04
2.732e+05		-8.060e+05	-7.533e+04	1.35e-03		523.0	-1650.42	1.257e+04	261.52	8.795e+04	6.144e+04
1.064e+06 131	84	1.062e+06	4.972e+04	9.02e-03	-0.70	0.0	-1605.37	-9466.28	210.00	6.260e+04	-6.011e+04
2.522e+05		-8.019e+05	-6.011e+04	4.21e-04		523.0	-1605.37	1.248e+04	210.00	6.222e+04	4.972e+04
1.062e+06 131	85	1.018e+06	5.192e+04	0.01	-0.70	0.0	-1656.96	-9440.58	219.33	6.817e+04	-6.279e+04
2.624e+05		-7.976e+05	-6.279e+04	6.15e-04		523.0	-1656.96	1.222e+04	219.33	6.798e+04	5.192e+04
1.018e+06 131	86	1.018e+06	5.192e+04	0.01	-0.70	0.0	-1656.96	-9440.58	219.33	6.817e+04	-6.279e+04
2.624e+05		-7.976e+05	-6.279e+04	6.15e-04		523.0	-1656.96	1.222e+04	219.33	6.798e+04	5.192e+04
1.018e+06 132	7	1.188e+06	1.355e+05	5.99e-03	-0.96	0.0	1363.88	-8631.39	-181.20	-8.159e+04	1.355e+05
1.188e+06		4.638e+04	-1.512e+05	-2.97e-03		495.0	1363.88	7597.51	-977.16	-8.900e+04	-1.512e+05
9.181e+05 132	9	1.489e+06	5.186e+04	0.01	-0.98	0.0	1540.46	-9321.94	-124.85	-7504.62	5.186e+04
1.489e+06		1.973e+05	-9939.52	-5.06e-04		495.0	1540.46	7593.65	-124.85	-1.279e+04	-9939.52
1.030e+06 132	12	7.968e+05	7.479e+04	3.01e-03	-0.82	0.0	651.92	-7213.07	-214.63	-3.549e+04	7.479e+04
7.968e+05		-1.406e+05	-3.145e+04	-6.65e-04		495.0	651.92	6419.41	-214.63	-4.018e+04	-3.145e+04
6.087e+05 132	22	9.400e+05	1.041e+05	0.04	-0.77	0.0	-4532.63	-2279.91	586.19	-7.791e+04	-1.848e+05

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6.689e+05 132	85	7.656e+05	4.186e+04	7.12e-03	-0.68	0.0	843.17	-5942.79	-109.47	-1.756e+04	4.186e+04	
7.656e+05		5055.48	-1.232e+04	-5.42e-04		495.0	843.17	5691.67	-109.47	-2.046e+04	-1.232e+04	
6.855e+05 132	86	7.656e+05	4.186e+04	7.12e-03	-0.68	0.0	843.17	-5942.79	-109.47	-1.756e+04	4.186e+04	
7.656e+05		5055.48	-1.232e+04	-5.42e-04		495.0	843.17	5691.67	-109.47	-2.046e+04	-1.232e+04	
6.855e+05 133	1	3.748e+06	9.914e+04	0.09	-1.12	0.0	3398.01	-1.298e+04	432.86	1.199e+05	-1.273e+05	-
7.959e+04		-1.198e+06	-1.273e+05	3.16e-03		523.0	3398.01	2.870e+04	432.86	1.190e+05	9.914e+04	
3.748e+06 133	3	3.576e+06	1.331e+05	0.09	-1.10	0.0	3075.29	-1.274e+04	580.53	1.699e+05	-1.705e+05	-
8.492e+04		-1.190e+06	-1.705e+05	4.90e-03		523.0	3075.29	2.773e+04	580.53	1.714e+05	1.331e+05	
3.576e+06 133	5	3.192e+06	1.281e+05	0.08	-1.05	0.0	2841.42	-1.291e+04	589.15	1.488e+05	-1.800e+05	
1.575e+05		-1.038e+06	-1.800e+05	5.61e-03		523.0	2841.42	2.545e+04	589.15	1.493e+05	1.281e+05	
3.192e+06 133	7	3.414e+06	1.139e+05	0.07	-1.06	0.0	1845.23	-1.223e+04	480.36	1.500e+05	-1.373e+05	-
1.644e+05		-1.214e+06	-1.373e+05	2.67e-03		523.0	1845.23	2.673e+04	480.36	1.507e+05	1.139e+05	
3.414e+06 133	8	3.020e+06	9.221e+04	0.06	-0.90	0.0	1448.74	-1.076e+04	385.65	1.234e+05	-1.095e+05	-
1.647e+05		-1.084e+06	-1.095e+05	2.03e-03		523.0	1448.74	2.365e+04	385.65	1.240e+05	9.221e+04	
3.020e+06 133	16	1.111e+06	6.470e+04	0.15	-0.69	0.0	-5197.73	-1.103e+04	275.17	1.958e+05	-7.904e+04	-
1.132e+06		-1.507e+06	-7.904e+04	-7.00e-03		523.0	-5197.73	1.161e+04	275.17	1.930e+05	6.470e+04	
1.111e+06 133	17	3.114e+06	1.123e+05	-0.16	-0.79	0.0	7675.28	-6483.03	494.28	-1344.18	-1.463e+05	
1.208e+06		-2.753e+05	-1.463e+05	0.02		523.0	7675.28	2.275e+04	494.28	2394.93	1.123e+05	
3.114e+06 133	20	1.107e+06	5.832e+04	0.15	-0.69	0.0	-5246.68	-1.102e+04	249.05	2.126e+05	-7.183e+04	-
1.128e+06		-1.506e+06	-7.183e+04	-0.01		523.0	-5246.68	1.160e+04	249.05	2.094e+05	5.832e+04	
1.107e+06 133	41	2.590e+06	1.446e+05	-0.09	-0.75	0.0	4489.19	-7346.65	626.87	-1.956e+05	-1.833e+05	
4.669e+05		-5.706e+05	-1.833e+05	0.03		523.0	4489.19	1.938e+04	626.87	-1.862e+05	1.446e+05	
2.590e+06 133	48	1.398e+06	7.060e+04	0.12	-0.70	0.0	-3357.34	-1.037e+04	302.80	1.699e+05	-8.764e+04	-
7.953e+05		-1.275e+06	-8.764e+04	-4.21e-03		523.0	-3357.34	1.321e+04	302.80	1.680e+05	7.060e+04	
1.398e+06 133	49	2.825e+06	1.046e+05	-0.13	-0.76	0.0	5820.84	-7138.01	459.15	2.936e+04	-1.356e+05	
8.729e+05		-3.839e+05	-1.356e+05	0.01		523.0	5820.84	2.115e+04	459.15	3.210e+04	1.046e+05	
2.825e+06 133	52	1.395e+06	6.606e+04	0.12	-0.70	0.0	-3392.24	-1.037e+04	284.19	1.819e+05	-8.250e+04	-
7.923e+05		-1.274e+06	-8.250e+04	-8.43e-03		523.0	-3392.24	1.320e+04	284.19	1.797e+05	6.606e+04	
1.395e+06 133	73	2.452e+06	1.277e+05	-0.08	-0.75	0.0	3549.22	-7751.75	553.98	-1.092e+05	-1.621e+05	
3.443e+05		-6.254e+05	-1.621e+05	0.02		523.0	3549.22	1.874e+04	553.98	-1.024e+05	1.277e+05	
2.452e+06 133	77	2.674e+06	7.574e+04	0.07	-0.82	0.0	2441.56	-9306.87	330.67	9.174e+04	-9.720e+04	-
5.291e+04		-8.567e+05	-9.720e+04	2.39e-03		523.0	2441.56	2.050e+04	330.67	9.123e+04	7.574e+04	
2.674e+06 133	78	2.559e+06	9.838e+04	0.06	-0.80	0.0	2226.41	-9149.42	429.11	1.250e+05	-1.260e+05	-

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5.646e+04		-8.513e+05-1.260e+05	3.55e-03		523.0	2226.41	1.986e+04	429.11	1.262e+05	9.838e+04	
2.559e+06											
133	79	2.303e+06 9.505e+04	0.06	-0.77	0.0	2070.50	-9263.97	434.86	1.110e+05	-1.324e+05	
1.052e+05											
		-7.493e+05-1.324e+05	4.03e-03		523.0	2070.50	1.834e+04	434.86	1.114e+05	9.505e+04	
2.303e+06											
133	80	2.451e+06 8.559e+04	0.05	-0.77	0.0	1406.38	-8809.79	362.33	1.118e+05	-1.039e+05	-
1.094e+05											
		-8.673e+05-1.039e+05	2.06e-03		523.0	1406.38	1.919e+04	362.33	1.124e+05	8.559e+04	
2.451e+06											
133	83	2.207e+06 8.072e+04	0.05	-0.74	0.0	1420.36	-8854.53	351.75	9.889e+04	-1.032e+05	
2.747e+04											
		-7.737e+05-1.032e+05	2.51e-03		523.0	1420.36	1.774e+04	351.75	9.880e+04	8.072e+04	
2.207e+06											
133	84	2.181e+06 8.885e+04	0.05	-0.74	0.0	1375.51	-8811.88	387.14	1.109e+05	-1.136e+05	
2.348e+04											
		-7.750e+05-1.136e+05	2.93e-03		523.0	1375.51	1.760e+04	387.14	1.114e+05	8.885e+04	
2.181e+06											
133	85	2.110e+06 8.532e+04	0.04	-0.73	0.0	1214.30	-8752.90	371.67	1.056e+05	-1.091e+05	
4.027e+04											
		-7.618e+05-1.091e+05	2.72e-03		523.0	1214.30	1.717e+04	371.67	1.059e+05	8.532e+04	
2.110e+06											
133	86	2.110e+06 8.532e+04	0.04	-0.73	0.0	1214.30	-8752.90	371.67	1.056e+05	-1.091e+05	
4.027e+04											
		-7.618e+05-1.091e+05	2.72e-03		523.0	1214.30	1.717e+04	371.67	1.059e+05	8.532e+04	
2.110e+06											
135	1	1.583e+06 1.015e+05	0.05	-0.96	0.0	161.97	-7256.58	-328.49	-1.648e+05	1.015e+05	
8.283e+04											
		-6.145e+05-7.035e+04	-0.01		523.0	161.97	1.346e+04	-328.49	-1.712e+05	-7.035e+04	
1.583e+06											
135	7	1.496e+06 1.067e+05	0.04	-0.93	0.0	-301.50	-6948.53	-330.22	-1.515e+05	1.067e+05	
3674.00											
		-6.514e+05-6.598e+04	-0.01		523.0	-301.50	1.301e+04	-330.22	-1.568e+05	-6.598e+04	
1.496e+06											
135	9	1.537e+06 7.904e+04	0.05	-0.91	0.0	654.07	-6247.15	118.60	-1.304e+05	7.516e+04	
1.059e+04											
		-5.613e+05-1.110e+05	-0.01		523.0	654.07	1.259e+04	-830.33	-1.368e+05	-1.110e+05	
1.537e+06											
135	10	1.322e+06 6.944e+04	0.05	-0.77	0.0	715.97	-5135.33	157.43	-1.099e+05	6.272e+04	-
6626.97											
		-4.678e+05-1.031e+05	-8.27e-03		523.0	715.97	1.066e+04	-791.50	-1.157e+05	-1.031e+05	
1.322e+06											
135	11	1.399e+06 9.593e+04	0.03	-0.94	0.0	-627.45	-7673.67	-487.91	-1.629e+05	9.593e+04	
1.524e+05											
		-6.249e+05-3.518e+04	-0.01		523.0	-627.45	1.277e+04	-13.45	-1.675e+05	-3.518e+04	
1.399e+06											
135	16	6.117e+05 1289.21	0.21	-0.59	0.0	-6087.37	-6760.55	-21.98	-2.789e+04	1289.21	-
9.196e+05											
		-1.160e+06-1.015e+04	-0.02		523.0	-6087.37	4947.87	-21.98	-3.417e+04	-1.015e+04	
6.117e+05											
135	29	1.455e+06 1.143e+05	-0.28	-0.85	0.0	6461.66	-23.52	-363.22	-2.048e+05	1.143e+05	
6.900e+05											
		97.97-7.570e+04	-2.18e-03		523.0	6461.66	1.089e+04	-363.22	-2.018e+05	-7.570e+04	
1.455e+06											
135	37	1.642e+06 8.637e+04	-0.31	-0.88	0.0	6537.83	1446.04	-275.03	-2.360e+05	8.637e+04	
9.669e+05											
		-6.251e+04-5.755e+04	0.02		523.0	6537.83	1.053e+04	-275.03	-2.317e+05	-5.755e+04	
1.642e+06											
135	40	3.386e+05 2.571e+04	0.31	-0.51	0.0	-6702.73	-1.111e+04	-82.42	4.578e+04	2.571e+04	-
8.510e+05											
		-9.170e+05-1.731e+04	-0.03		523.0	-6702.73	6790.91	-82.42	3.449e+04	-1.731e+04	
3.386e+05											
135	48	7.204e+05 1.700e+04	0.16	-0.60	0.0	-4363.97	-6204.72	-66.94	-4.719e+04	1.700e+04	-
6.390e+05											
		-9.422e+05-1.798e+04	-0.01		523.0	-4363.97	6013.42	-66.94	-5.267e+04	-1.798e+04	

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1.231e+06												
	-1.231e+06	-8194.08	7.29e-04		680.0	1.369e+04	1.347e+04	-18.19	-4319.79	-8194.08		
3.973e+06												
138	7 3.439e+06	4778.81	0.18	-1.18	0.0	1.256e+04	4569.63	-20.92	-5278.12	4778.81	-	
1.116e+06												
	-1.116e+06	-9444.93	-1.31e-03		680.0	1.256e+04	1.117e+04	-20.92	-6241.75	-9444.93		
3.439e+06												
138	12 2.945e+06	2514.74	0.15	-1.00	0.0	1.052e+04	4402.22	-11.32	-3176.89	2514.74	-	
1.065e+06												
	-1.065e+06	-5181.17	4.88e-04		680.0	1.052e+04	9350.61	-11.32	-3650.34	-5181.17		
2.945e+06												
138	15 2.297e+06	3.569e+04	-0.13	-0.81	0.0	9166.87	3223.50	-102.82	2.557e+04	3.569e+04	-	
5.109e+05												
	-5.109e+05	-3.435e+04	-6.24e-03		680.0	9166.87	7514.17	-102.82	2.809e+04	-3.435e+04		
2.297e+06												
138	23 2.288e+06	3.505e+04	-0.13	-0.81	0.0	9302.22	3221.00	-106.24	1.849e+04	3.505e+04	-	
5.357e+05												
	-5.357e+05	-3.742e+04	-0.01		680.0	9302.22	7452.67	-106.24	2.063e+04	-3.742e+04		
2.288e+06												
138	33 2.707e+06	-1756.33	-0.17	-0.82	0.0	1.128e+04	3810.70	-2.13	-1.792e+04	-1756.33	-	
8.039e+04												
	8.039e+04	-3312.11	-7.96e-03		680.0	1.128e+04	9458.07	-2.13	-1.834e+04	-3312.11		
2.707e+06												
138	34 1.727e+06	1.345e+04	0.16	-0.81	0.0	4826.57	2207.08	41.58	2833.91	-1.504e+04	-	
1.482e+06												
	-1.482e+06	-1.504e+04	0.01		680.0	4826.57	4801.81	41.58	1027.44	1.345e+04		
1.727e+06												
138	35 2.672e+06	1.738e+04	-0.17	-0.81	0.0	1.141e+04	3797.58	-57.24	-4468.29	1.738e+04	-	
4.836e+04												
	4.836e+04	-2.176e+04	-0.01		680.0	1.141e+04	9284.66	-57.24	-3481.53	-2.176e+04		
2.672e+06												
138	36 1.692e+06	4094.76	0.16	-0.80	0.0	4956.39	2193.96	-13.53	1.628e+04	4094.76	-	
1.514e+06												
	-1.514e+06	-4995.05	8.87e-03		680.0	4956.39	4628.41	-13.53	1.589e+04	-4995.05		
1.692e+06												
138	47 2.269e+06	2.578e+04	-0.13	-0.81	0.0	8865.93	3160.47	-75.55	1.800e+04	2.578e+04	-	
5.699e+05												
	-5.699e+05	-2.568e+04	-4.31e-03		680.0	8865.93	7379.04	-75.55	1.967e+04	-2.568e+04		
2.269e+06												
138	55 2.263e+06	2.532e+04	-0.13	-0.81	0.0	8962.42	3158.76	-77.99	1.295e+04	2.532e+04	-	
5.876e+05												
	-5.876e+05	-2.787e+04	-7.89e-03		680.0	8962.42	7335.18	-77.99	1.436e+04	-2.787e+04		
2.263e+06												
138	65 2.562e+06	-915.26	-0.16	-0.81	0.0	1.037e+04	3579.46	-3.76	-1.301e+04	-915.26	-	
1.482e+05												
	-1.482e+05	-3555.91	-5.55e-03		680.0	1.037e+04	8765.00	-3.76	-1.343e+04	-3555.91		
2.562e+06												
138	66 1.863e+06	8400.06	0.15	-0.81	0.0	5770.82	2434.40	27.40	1786.60	-1.039e+04	-	
1.262e+06												
	-1.262e+06	-1.039e+04	0.01		680.0	5770.82	5445.10	27.40	381.04	8400.06		
1.863e+06												
138	67 2.537e+06	1.273e+04	-0.16	-0.81	0.0	1.047e+04	3570.26	-43.06	-3420.99	1.273e+04	-	
1.711e+05												
	-1.711e+05	-1.671e+04	-9.15e-03		680.0	1.047e+04	8641.38	-43.06	-2835.13	-1.671e+04		
2.537e+06												
138	68 1.838e+06	3253.69	0.15	-0.80	0.0	5863.38	2425.20	-11.89	1.138e+04	3253.69	-	
1.285e+06												
	-1.285e+06	-4751.25	6.46e-03		680.0	5863.38	5321.48	-11.89	1.097e+04	-4751.25		
1.838e+06												
138	78 2.897e+06	2975.87	0.14	-0.90	0.0	9848.88	3072.35	-13.23	-2440.00	2975.87	-	
8.873e+05												
	-8.873e+05	-6018.52	5.46e-04		680.0	9848.88	9922.93	-13.23	-3009.78	-6018.52		
2.897e+06												
138	80 2.541e+06	3379.54	0.13	-0.86	0.0	9094.92	3167.25	-15.05	-3600.42	3379.54	-	
8.104e+05												
	-8.104e+05	-6852.42	-8.14e-04		680.0	9094.92	8392.46	-15.05	-4291.09	-6852.42		

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2.541e+06 138	82	2.585e+06	2160.65	0.13	-0.86	0.0	8823.60	3236.88	-10.30	-2322.12	2160.65	-
8.764e+05		-8.764e+05	-4843.61	4.77e-04		680.0	8823.60	8598.28	-10.30	-2758.36	-4843.61	
2.585e+06 138	84	2.341e+06	1540.85	0.12	-0.82	0.0	8426.69	2965.93	-8.96	-1082.40	1540.85	-
7.473e+05		-7.473e+05	-4550.69	4.98e-04		680.0	8426.69	7651.09	-8.96	-1519.44	-4550.69	
2.341e+06 138	85	2.200e+06	1169.21	0.11	-0.81	0.0	8117.92	3002.33	-7.83	-817.19	1169.21	-
7.166e+05		-7.166e+05	-4153.58	4.81e-04		680.0	8117.92	7043.24	-7.83	-1227.05	-4153.58	
2.200e+06 138	86	2.200e+06	1169.21	0.11	-0.81	0.0	8117.92	3002.33	-7.83	-817.19	1169.21	-
7.166e+05		-7.166e+05	-4153.58	4.81e-04		680.0	8117.92	7043.24	-7.83	-1227.05	-4153.58	
2.200e+06 139	3	3.973e+06	8194.08	0.20	-1.23	0.0	1.369e+04	4427.29	18.19	3537.49	-4173.30	-
1.231e+06		-1.231e+06	-4173.30	-7.29e-04		680.0	1.369e+04	1.347e+04	18.19	4319.79	8194.08	
3.973e+06 139	5	3.439e+06	9444.93	0.18	-1.18	0.0	1.256e+04	4569.63	20.92	5278.12	-4778.81	-
1.116e+06		-1.116e+06	-4778.81	1.31e-03		680.0	1.256e+04	1.117e+04	20.92	6241.75	9444.93	
3.439e+06 139	12	2.945e+06	5181.17	0.15	-1.00	0.0	1.052e+04	4402.22	11.32	3176.89	-2514.74	-
1.065e+06		-1.065e+06	-2514.74	-4.88e-04		680.0	1.052e+04	9350.61	11.32	3650.34	5181.17	
2.945e+06 139	17	2.396e+06	3.435e+04	-0.14	-0.82	0.0	9166.87	3260.65	102.82	-3.122e+04	-3.569e+04	-
4.543e+05		-4.543e+05	-3.569e+04	6.24e-03		680.0	9166.87	7971.06	102.82	-3.328e+04	3.435e+04	
2.396e+06 139	25	2.406e+06	3.742e+04	-0.14	-0.82	0.0	9302.22	3263.15	106.24	-2.414e+04	-3.505e+04	-
4.295e+05		-4.295e+05	-3.505e+04	0.01		680.0	9302.22	8032.56	106.24	-2.582e+04	3.742e+04	
2.406e+06 139	41	2.708e+06	2.176e+04	-0.17	-0.82	0.0	1.141e+04	3805.40	57.24	-1.437e+04	-1.738e+04	-
7.854e+04		7.854e+04	-1.738e+04	0.01		680.0	1.141e+04	9464.34	57.24	-1.382e+04	2.176e+04	
2.708e+06 139	44	1.691e+06	1.504e+04	0.17	-0.80	0.0	4826.57	2199.26	-41.58	1.600e+04	1.504e+04	-
1.512e+06		-1.512e+06	-1.345e+04	-0.01		680.0	4826.57	4622.13	-41.58	1.628e+04	-1.345e+04	
1.691e+06 139	49	2.340e+06	2.568e+04	-0.13	-0.82	0.0	8865.93	3186.57	75.55	-2.203e+04	-2.578e+04	-
5.295e+05		-5.295e+05	-2.578e+04	4.31e-03		680.0	8865.93	7704.75	75.55	-2.337e+04	2.568e+04	
2.340e+06 139	57	2.346e+06	2.787e+04	-0.13	-0.82	0.0	8962.42	3188.28	77.99	-1.697e+04	-2.532e+04	-
5.119e+05		-5.119e+05	-2.532e+04	7.89e-03		680.0	8962.42	7748.61	77.99	-1.806e+04	2.787e+04	
2.346e+06 139	73	2.562e+06	1.671e+04	-0.16	-0.81	0.0	1.047e+04	3575.68	43.06	-1.001e+04	-1.273e+04	-
1.496e+05		-1.496e+05	-1.273e+04	9.15e-03		680.0	1.047e+04	8769.48	43.06	-9505.23	1.671e+04	
2.562e+06 139	76	1.837e+06	1.039e+04	0.15	-0.80	0.0	5770.82	2428.98	-27.40	1.164e+04	1.039e+04	-
1.284e+06		-1.284e+06	-8400.06	-0.01		680.0	5770.82	5317.00	-27.40	1.196e+04	-8400.06	
1.837e+06 139	78	2.897e+06	6018.52	0.14	-0.90	0.0	9848.88	3072.35	13.23	2440.00	-2975.87	-
8.873e+05		-8.873e+05	-2975.87	-5.46e-04		680.0	9848.88	9922.93	13.23	3009.78	6018.52	
2.897e+06 139	79	2.541e+06	6852.42	0.13	-0.86	0.0	9094.92	3167.25	15.05	3600.42	-3379.54	-

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8.104e+05												
	-8.104e+05	-3379.54	8.14e-04		680.0	9094.92	8392.46	15.05	4291.09	6852.42		
2.541e+06												
139	82 2.585e+06	4843.61	0.13	-0.86	0.0	8823.60	3236.88	10.30	2322.12	-2160.65	-	
8.764e+05												
	-8.764e+05	-2160.65	-4.77e-04		680.0	8823.60	8598.28	10.30	2758.36	4843.61		
2.585e+06												
139	84 2.341e+06	4550.69	0.12	-0.82	0.0	8426.69	2965.93	8.96	1082.40	-1540.85	-	
7.473e+05												
	-7.473e+05	-1540.85	-4.98e-04		680.0	8426.69	7651.09	8.96	1519.44	4550.69		
2.341e+06												
139	85 2.200e+06	4153.58	0.11	-0.81	0.0	8117.92	3002.33	7.83	817.19	-1169.21	-	
7.166e+05												
	-7.166e+05	-1169.21	-4.81e-04		680.0	8117.92	7043.24	7.83	1227.05	4153.58		
2.200e+06												
139	86 2.200e+06	4153.58	0.11	-0.81	0.0	8117.92	3002.33	7.83	817.19	-1169.21	-	
7.166e+05												
	-7.166e+05	-1169.21	-4.81e-04		680.0	8117.92	7043.24	7.83	1227.05	4153.58		
2.200e+06												
140	3 3.676e+06	8.185e+04	0.19	-1.20	0.0	1.368e+04	6971.45	217.12	3.659e+04	-6.579e+04	-	
1.409e+06												
	-1.409e+06	-6.579e+04	-3.00e-03		680.0	1.368e+04	1.048e+04	217.12	4.048e+04	8.185e+04		
3.676e+06												
140	12 2.747e+06	5.904e+04	0.15	-0.98	0.0	1.063e+04	6562.56	154.88	2.969e+04	-4.627e+04	-	
1.225e+06												
	-1.225e+06	-4.627e+04	-2.10e-03		680.0	1.063e+04	7004.27	154.88	3.232e+04	5.904e+04		
2.747e+06												
140	25 2.472e+06	1.034e+05	-0.19	-0.84	0.0	1.075e+04	5255.14	282.07	-3764.20	-8.856e+04	-	
4.568e+05												
	-4.568e+05	-8.856e+04	7.92e-03		680.0	1.075e+04	7640.43	282.07	-4969.81	1.034e+05		
2.472e+06												
140	41 2.805e+06	8.960e+04	-0.23	-0.83	0.0	1.298e+04	5162.27	240.32	-6030.95	-7.421e+04	-	
9920.53												
	9920.53	-7.421e+04	0.01		680.0	1.298e+04	9145.96	240.32	-1969.12	8.960e+04		
2.805e+06												
140	44 1.277e+06	4457.08	0.23	-0.76	0.0	3518.16	4230.49	2.51	4.038e+04	3145.67	-	
1.694e+06												
	-1.694e+06	3145.67	-0.01		680.0	3518.16	1321.49	2.51	4.067e+04	4457.08		
1.277e+06												
140	57 2.348e+06	8.720e+04	-0.17	-0.83	0.0	1.003e+04	5095.10	235.96	2244.50	-7.334e+04	-	
5.674e+05												
	-5.674e+05	-7.334e+04	5.19e-03		680.0	1.003e+04	6949.58	235.96	2009.67	8.720e+04		
2.348e+06												
140	73 2.585e+06	7.738e+04	-0.20	-0.82	0.0	1.163e+04	5030.06	206.19	626.73	-6.312e+04	-	
2.345e+05												
	-2.345e+05	-6.312e+04	6.92e-03		680.0	1.163e+04	8023.05	206.19	4147.21	7.738e+04		
2.585e+06												
140	76 1.496e+06	1.667e+04	0.20	-0.77	0.0	4875.83	4362.69	36.64	3.372e+04	-7951.91	-	
1.450e+06												
	-1.450e+06	-7951.91	-0.01		680.0	4875.83	2444.40	36.64	3.455e+04	1.667e+04		
1.496e+06												
140	78 2.683e+06	5.933e+04	0.14	-0.88	0.0	9821.84	4887.83	156.86	2.606e+04	-4.733e+04	-	
1.014e+06												
	-1.014e+06	-4.733e+04	-2.22e-03		680.0	9821.84	7790.49	156.86	2.888e+04	5.933e+04		
2.683e+06												
140	82 2.413e+06	5.128e+04	0.12	-0.84	0.0	8842.64	4975.51	133.54	2.396e+04	-3.952e+04	-	
1.004e+06												
	-1.004e+06	-3.952e+04	-1.95e-03		680.0	8842.64	6673.66	133.54	2.627e+04	5.128e+04		
2.413e+06												
140	84 2.171e+06	4.932e+04	0.12	-0.81	0.0	8523.70	4668.49	127.85	1.868e+04	-3.762e+04	-	
8.719e+05												
	-8.719e+05	-3.762e+04	-2.07e-03		680.0	8523.70	5791.34	127.85	2.096e+04	4.932e+04		
2.171e+06												
140	85 2.041e+06	4.703e+04	0.11	-0.79	0.0	8250.94	4696.38	121.42	1.717e+04	-3.553e+04	-	
8.421e+05												
	-8.421e+05	-3.553e+04	-2.02e-03		680.0	8250.94	5233.73	121.42	1.935e+04	4.703e+04		

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2.041e+06 140	86	2.041e+06	4.703e+04	0.11	-0.79	0.0	8250.94	4696.38	121.42	1.717e+04	-3.553e+04	-
8.421e+05		-8.421e+05	-3.553e+04	-2.02e-03		680.0	8250.94	5233.73	121.42	1.935e+04	4.703e+04	
2.041e+06 141	3	1.845e+06	1.930e+05	0.10	-0.96	0.0	2287.75	-4472.09	426.62	1.337e+05	-9.714e+04	-
2.571e+05		-7.565e+05	-9.714e+04	-2.43e-03		680.0	2287.75	1.199e+04	426.62	1.422e+05	1.930e+05	
1.845e+06 141	5	1.583e+06	2.457e+05	0.09	-0.93	0.0	2165.99	-3771.25	-194.04	1.188e+05	-6.013e+04	-
2.006e+05		-6.266e+05	-6.996e+04	1.85e-03		680.0	2165.99	1.027e+04	1115.64	1.277e+05	2.457e+05	
1.583e+06 141	8	1.361e+06	1.079e+05	0.08	-0.80	0.0	1594.10	-3365.15	602.94	1.013e+05	-8.452e+04	-
2.019e+05		-5.811e+05	-8.452e+04	-3.54e-03		680.0	1594.10	9003.98	-51.90	1.066e+05	1.066e+05	
1.361e+06 141	11	1.853e+06	1.759e+05	0.08	-0.94	0.0	1797.95	-3761.04	411.06	1.294e+05	-1.037e+05	-
5.648e+05		-9.179e+05	-1.037e+05	-1.56e-03		680.0	1797.95	1.199e+04	411.06	1.360e+05	1.759e+05	
1.853e+06 141	17	1.889e+06	2.703e+05	-0.31	-0.80	0.0	4658.95	1315.95	611.27	4.571e+04	-1.462e+05	
1.047e+06		3.340e+05	-1.462e+05	-3.50e-03		680.0	4658.95	1.430e+04	611.27	3.828e+04	2.703e+05	
1.889e+06 141	20	1.418e+05	3.701e+04	0.31	-0.52	0.0	-2469.17	-7199.68	-108.15	1.076e+05	3.701e+04	-
1.263e+06		-1.553e+06	-3.732e+04	4.70e-04		680.0	-2469.17	-208.97	-108.15	1.245e+05	-3.732e+04	
1.418e+05 141	25	2.222e+06	2.639e+05	-0.30	-0.79	0.0	4510.87	474.28	619.32	4.910e+04	-1.595e+05	
1.504e+06		2.691e+05	-1.595e+05	5.84e-03		680.0	4510.87	1.533e+04	619.32	4.341e+04	2.639e+05	
2.222e+06 141	41	3.326e+06	2.045e+05	-0.35	-0.83	0.0	3454.58	489.59	476.88	6378.88	-1.214e+05	
3.164e+06		1.446e+05	-1.214e+05	9.57e-03		680.0	3454.58	2.013e+04	476.88	1.586e+04	2.045e+05	
3.326e+06 141	44	-3.026e+05	2.847e+04	0.35	-0.53	0.0	-1264.80	-6373.32	26.24	1.469e+05	1.222e+04	-
3.380e+06		-3.380e+06	1.222e+04	-9.49e-03		680.0	-1264.80	-6043.29	26.24	1.470e+05	2.847e+04	-
1.295e+06 141	49	1.639e+06	2.261e+05	-0.24	-0.76	0.0	3637.58	94.03	508.02	5.459e+04	-1.199e+05	
7.156e+05		2.035e+05	-1.199e+05	-2.95e-03		680.0	3637.58	1.222e+04	508.02	5.066e+04	2.261e+05	
1.639e+06 141	52	3.926e+05	1.072e+04	0.24	-0.56	0.0	-1447.80	-5977.75	-4.90	9.871e+04	1.072e+04	-
9.316e+05		-1.236e+06	6827.23	-2.80e-04		680.0	-1447.80	1873.41	-4.90	1.122e+05	6827.23	
3.926e+05 141	57	1.876e+06	2.216e+05	-0.23	-0.75	0.0	3531.87	-506.14	513.76	5.701e+04	-1.294e+05	
1.041e+06		1.686e+05	-1.294e+05	4.17e-03		680.0	3531.87	1.295e+04	513.76	5.432e+04	2.216e+05	
1.876e+06 141	73	2.663e+06	1.792e+05	-0.26	-0.76	0.0	2782.70	-494.81	412.21	2.655e+04	-1.022e+05	
2.225e+06		8.008e+04	-1.022e+05	6.83e-03		680.0	2782.70	1.638e+04	412.21	3.467e+04	1.792e+05	
2.663e+06 141	76	-1.933e+05	5.373e+04	0.27	-0.56	0.0	-592.92	-5388.91	90.91	1.268e+05	-6952.57	-
2.441e+06		-2.467e+06	-6952.57	-6.76e-03		680.0	-592.92	-2286.52	90.91	1.282e+05	5.373e+04	-
6.315e+05 141	78	1.345e+06	1.409e+05	0.07	-0.70	0.0	1573.44	-3428.61	310.43	9.761e+04	-7.019e+04	-
1.775e+05		-5.666e+05	-7.019e+04	-1.79e-03		680.0	1573.44	8870.87	310.43	1.038e+05	1.409e+05	
1.345e+06 141	79	1.170e+06	1.760e+05	0.07	-0.68	0.0	1492.26	-2961.38	-103.35	8.770e+04	-4.552e+04	-

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1.397e+05												
	-4.801e+05	-4.985e+04	1.24e-03		680.0	1492.26	7728.05	769.77	9.411e+04	1.760e+05		
1.170e+06												
141	80	1.194e+06	1.017e+05	0.07	-0.69	0.0	1183.41	-3361.48	466.99	8.873e+04	-6.992e+04	-
1.497e+05												
		-5.431e+05	-6.992e+04	-2.77e-03		680.0	1183.41	8204.61	30.43	9.346e+04	1.017e+05	
1.194e+06												
141	82	1.350e+06	1.295e+05	0.06	-0.69	0.0	1246.90	-2954.58	300.05	9.473e+04	-7.454e+04	-
3.826e+05												
		-6.742e+05	-7.454e+04	-1.20e-03		680.0	1246.90	8871.22	300.05	9.966e+04	1.295e+05	
1.350e+06												
141	84	1.081e+06	1.208e+05	0.06	-0.66	0.0	1183.80	-3049.08	261.85	8.017e+04	-5.722e+04	-
1.211e+05												
		-4.809e+05	-5.722e+04	-1.61e-03		680.0	1183.80	7408.67	261.85	8.516e+04	1.208e+05	
1.081e+06												
141	85	1.016e+06	1.165e+05	0.06	-0.65	0.0	1094.89	-2941.86	251.56	7.665e+04	-5.458e+04	-
1.080e+05												
		-4.605e+05	-5.458e+04	-1.55e-03		680.0	1094.89	7045.68	251.56	8.141e+04	1.165e+05	
1.016e+06												
141	86	1.016e+06	1.165e+05	0.06	-0.65	0.0	1094.89	-2941.86	251.56	7.665e+04	-5.458e+04	-
1.080e+05												
		-4.605e+05	-5.458e+04	-1.55e-03		680.0	1094.89	7045.68	251.56	8.141e+04	1.165e+05	
1.016e+06												
142	2	1.013e+06	5.121e+04	5.49e-03	-0.88	0.0	42.02	-9408.30	27.42	-4.958e+04	3.352e+04	
1.013e+06												
		-5.650e+05	3.352e+04	-2.95e-03		645.0	42.02	8530.54	27.42	-4.067e+04	5.121e+04	
7.361e+05												
142	5	1.130e+06	7.648e+04	7.61e-03	-0.96	0.0	-621.07	-1.097e+04	-491.95	-5.258e+04	5.931e+04	
1.130e+06												
		-7.151e+05	-1.573e+04	-5.86e-04		645.0	-621.07	9824.41	545.21	-4.239e+04	7.648e+04	
7.753e+05												
142	6	9.444e+05	7.349e+04	6.21e-03	-0.82	0.0	-476.71	-9110.86	-492.54	-4.254e+04	5.670e+04	
9.444e+05												
		-5.923e+05	-1.852e+04	-1.95e-04		645.0	-476.71	8120.79	544.62	-3.293e+04	7.349e+04	
6.349e+05												
142	9	1.489e+06	4.354e+04	0.01	-0.98	0.0	-1523.86	-1.270e+04	56.76	-5.435e+04	6926.56	
1.489e+06												
		-8.736e+05	6926.56	-2.57e-03		645.0	-1523.86	9017.49	56.76	-4.885e+04	4.354e+04	
3.318e+05												
142	14	3.835e+05	9.504e+04	-0.16	-0.80	0.0	1.002e+04	-8735.70	-119.37	-4.882e+04	9.504e+04	
3.835e+05												
		-3.743e+05	5.523e+04	6.86e-03		645.0	1.002e+04	8305.27	-119.37	-5.821e+04	5.523e+04	-
1.363e+05												
142	15	1.317e+06	-2.083e+04	0.16	-0.63	0.0	-1.097e+04	-7135.90	136.56	-2.379e+04	-7.172e+04	
1.234e+06												
		-1.081e+06	-7.172e+04	-9.93e-03		645.0	-1.097e+04	6269.10	136.56	-8084.33	-2.083e+04	
1.317e+06												
142	41	4.805e+06	1.739e+05	-0.08	-0.77	0.0	-4492.74	5569.79	292.40	-6.854e+04	-6.832e+04	
4.502e+06												
		-2.540e+05	-6.832e+04	0.01		645.0	-4492.74	1.970e+04	292.40	-6.900e+04	1.739e+05	
4.805e+06												
142	44	-7.225e+05	9.163e+04	0.08	-0.64	0.0	3537.62	-2.144e+04	-275.21	-4072.08	9.163e+04	-
2.885e+06												
		-3.624e+06	-1.395e+05	-0.01		645.0	3537.62	-5127.59	-275.21	2698.02	-1.395e+05	-
3.624e+06												
142	46	5.055e+05	7.110e+04	-0.12	-0.77	0.0	7007.08	-8506.86	-82.63	-4.523e+04	7.110e+04	
5.055e+05												
		-3.434e+05	4.430e+04	4.45e-03		645.0	7007.08	8013.03	-82.63	-5.102e+04	4.430e+04	
7.217e+04												
142	47	1.112e+06	-9904.44	0.11	-0.64	0.0	-7962.21	-7364.74	99.82	-2.738e+04	-4.779e+04	
1.112e+06												
		-9.107e+05	-4.779e+04	-7.51e-03		645.0	-7962.21	6561.34	99.82	-1.528e+04	-9904.44	
1.109e+06												
142	73	3.595e+06	1.289e+05	-0.05	-0.75	0.0	-3341.56	1693.14	210.95	-5.929e+04	-4.537e+04	
3.442e+06												
		-3.212e+05	-4.537e+04	6.71e-03		645.0	-3341.56	1.614e+04	210.95	-5.871e+04	1.289e+05	

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3.595e+06													
142	76	-6.553e+05	6.868e+04	0.06	-0.65	0.0	2386.44	-1.756e+04	-193.76	-1.332e+04	6.868e+04	-	
1.825e+06													
		-2.414e+06	-9.455e+04	-9.77e-03		645.0	2386.44	-1564.35	-193.76	-7584.41	-9.455e+04	-	
2.414e+06													
142	77	8.820e+05	3.746e+04	5.21e-03	-0.75	0.0	-132.40	-8342.35	18.94	-4.421e+04	2.524e+04	-	
8.820e+05													
		-5.131e+05	2.524e+04	-2.37e-03		645.0	-132.40	7579.93	18.94	-3.762e+04	3.746e+04	-	
6.468e+05													
142	79	8.363e+05	5.232e+04	5.69e-03	-0.71	0.0	-478.21	-8144.06	-327.70	-3.951e+04	4.070e+04	-	
8.363e+05													
		-5.313e+05	-9241.67	-5.65e-04		645.0	-478.21	7306.77	363.74	-3.246e+04	5.232e+04	-	
5.793e+05													
142	81	1.075e+06	3.035e+04	7.36e-03	-0.71	0.0	-1080.07	-9294.07	38.10	-4.070e+04	5775.91	-	
1.075e+06													
		-6.362e+05	5775.91	-1.89e-03		645.0	-1080.07	6768.82	38.10	-3.677e+04	3.035e+04	-	
2.836e+05													
142	83	8.290e+05	2.319e+04	5.09e-03	-0.70	0.0	-322.56	-7949.26	12.07	-3.782e+04	1.540e+04	-	
8.290e+05													
		-5.035e+05	1.540e+04	-1.81e-03		645.0	-322.56	7290.66	12.07	-3.387e+04	2.319e+04	-	
6.092e+05													
142	84	8.057e+05	1.572e+04	5.69e-03	-0.69	0.0	-587.50	-8076.88	7.17	-3.704e+04	1.110e+04	-	
8.057e+05													
		-5.464e+05	1.110e+04	-1.58e-03		645.0	-587.50	7398.73	7.17	-3.378e+04	1.572e+04	-	
5.831e+05													
142	86	8.087e+05	1.720e+04	5.44e-03	-0.69	0.0	-477.56	-7935.80	8.59	-3.631e+04	1.166e+04	-	
8.087e+05													
		-5.212e+05	1.166e+04	-1.61e-03		645.0	-477.56	7287.19	8.59	-3.315e+04	1.720e+04	-	
5.905e+05													
143	5	1.776e+06	3.127e+04	-2.32e-03	-0.97	0.0	-13.05	-1.674e+04	-92.92	-4.210e+04	3.127e+04	-	
1.776e+06													
		-5.430e+05	-1.593e+04	-4.10e-04		508.0	-13.05	1.393e+04	-92.92	-4.065e+04	-1.593e+04	-	
1.058e+06													
143	9	1.520e+06	2.933e+04	-6.35e-03	-0.99	0.0	-1698.98	-1.638e+04	86.18	-2.445e+04	2.477e+04	-	
1.520e+06													
		-6.469e+05	-3.519e+04	-1.04e-03		508.0	-1698.98	1.484e+04	-322.25	-2.461e+04	-3.519e+04	-	
1.147e+06													
143	11	1.565e+06	6.415e+04	-2.32e-03	-0.97	0.0	897.54	-1.576e+04	-484.80	-3.827e+04	6.415e+04	-	
1.565e+06													
		-5.159e+05	-8730.39	-1.72e-03		508.0	897.54	1.452e+04	332.07	-3.498e+04	2.536e+04	-	
1.245e+06													
143	12	1.407e+06	5.908e+04	-4.46e-03	-0.83	0.0	1293.51	-1.381e+04	-473.63	-3.717e+04	5.908e+04	-	
1.407e+06													
		-4.186e+05	-1.061e+04	-1.55e-03		508.0	1293.51	1.275e+04	343.23	-3.420e+04	2.596e+04	-	
1.126e+06													
143	21	3.195e+06	3.494e+04	-0.08	-0.78	0.0	-871.70	-4291.42	119.46	-1.029e+05	-2.579e+04	-	
3.195e+06													
		-1.157e+05	-2.579e+04	0.01		508.0	-871.70	1.796e+04	119.46	-9.842e+04	3.494e+04	-	
2.384e+06													
143	23	-3.227e+05	1.077e+05	0.08	-0.67	0.0	-8252.97	-1.638e+04	-365.67	1.125e+04	1.077e+05	-	
9.775e+05													
		-1.192e+06	-7.851e+04	-0.02		508.0	-8252.97	2543.73	-365.67	1.201e+04	-7.851e+04	-	
6.060e+05													
143	24	-6.507e+05	8.010e+04	0.07	-0.66	0.0	-593.31	-1.733e+04	-263.57	6.326e+04	8.010e+04	-	
1.226e+06													
		-1.501e+06	-5.384e+04	-0.02		508.0	-593.31	1824.36	-263.57	6.036e+04	-5.384e+04	-	
8.556e+05													
143	38	1.393e+06	6.477e+04	-0.06	-0.66	0.0	1.356e+04	-1.266e+04	-218.97	5.621e+04	6.477e+04	-	
1.393e+06													
		-9.946e+05	-4.819e+04	-0.02		508.0	1.356e+04	1.098e+04	-218.97	5.125e+04	-4.819e+04	-	
2.909e+05													
143	39	1.237e+06	2.930e+04	0.07	-0.75	0.0	-1.502e+04	-8964.98	74.87	-9.586e+04	-1.046e+04	-	
5.765e+05													
		-1.886e+05	-1.046e+04	0.01		508.0	-1.502e+04	8800.33	74.87	-8.931e+04	2.930e+04	-	
1.237e+06													
143	53	2.560e+06	2.217e+04	-0.06	-0.75	0.0	-831.88	-6165.00	64.41	-7.906e+04	-1.058e+04	-	

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2.560e+06											
	-1.931e+05	-1.058e+04	0.01		508.0	-831.88	1.564e+04	64.41	-7.563e+04	2.217e+04	
1.919e+06											
143	55	-2.122e+05	8.456e+04	0.06	-0.68	0.0	-6094.62	-1.478e+04	-281.31	2325.81	8.456e+04
4.140e+05											-
		-8.560e+05	-5.866e+04	-0.01		508.0	-6094.62	4653.81	-281.31	3093.45	-5.866e+04
2.122e+05											
143	56	-3.902e+05	6.489e+04	0.05	-0.66	0.0	-633.13	-1.546e+04	-208.51	3.941e+04	6.489e+04
5.914e+05											-
		-1.092e+06	-4.107e+04	-0.01		508.0	-633.13	4140.94	-208.51	3.757e+04	-4.107e+04
3.902e+05											
143	70	1.275e+06	5.397e+04	-0.04	-0.66	0.0	9455.52	-1.213e+04	-176.78	3.439e+04	5.397e+04
1.275e+06											
		-8.193e+05	-3.708e+04	-0.01		508.0	9455.52	1.067e+04	-176.78	3.108e+04	-3.708e+04
4.266e+05											
143	71	1.102e+06	1.818e+04	0.05	-0.73	0.0	-1.092e+04	-9494.15	32.67	-7.404e+04	336.92
6.936e+05											
		-2.209e+05	336.92	9.74e-03		508.0	-1.092e+04	9113.62	32.67	-6.914e+04	1.818e+04
1.102e+06											
143	79	1.254e+06	2.310e+04	1.69e-03	-0.71	0.0	-184.69	-1.203e+04	-66.91	-2.855e+04	2.310e+04
1.254e+06											
		-4.047e+05	-1.089e+04	-3.50e-04		508.0	-184.69	1.007e+04	-66.91	-2.745e+04	-1.089e+04
7.582e+05											
143	81	1.083e+06	2.133e+04	-5.19e-03	-0.72	0.0	-1308.64	-1.179e+04	52.49	-1.679e+04	1.877e+04
1.083e+06											
		-4.745e+05	-2.373e+04	-7.71e-04		508.0	-1308.64	1.068e+04	-219.80	-1.675e+04	-2.373e+04
8.173e+05											
143	82	1.114e+06	4.502e+04	1.63e-03	-0.70	0.0	422.37	-1.137e+04	-328.16	-2.600e+04	4.502e+04
1.114e+06											
		-3.872e+05	-5139.17	-1.22e-03		508.0	422.37	1.047e+04	216.42	-2.367e+04	1.664e+04
8.824e+05											
143	83	1.030e+06	2.849e+04	-3.97e-03	-0.70	0.0	-711.21	-1.114e+04	-74.69	-1.851e+04	2.849e+04
1.030e+06											
		-4.394e+05	-9454.93	-9.14e-04		508.0	-711.21	1.016e+04	-74.69	-1.671e+04	-9454.93
7.934e+05											
143	84	1.013e+06	2.705e+04	-3.81e-03	-0.69	0.0	-581.84	-1.099e+04	-72.60	-2.154e+04	2.705e+04
1.013e+06											
		-4.346e+05	-9836.58	-1.10e-03		508.0	-581.84	1.007e+04	-72.60	-2.108e+04	-9836.58
7.889e+05											
143	85	9.846e+05	2.715e+04	-4.56e-03	-0.68	0.0	-732.50	-1.081e+04	-72.05	-1.983e+04	2.715e+04
9.846e+05											
		-4.383e+05	-9448.74	-1.02e-03		508.0	-732.50	9891.09	-72.05	-1.903e+04	-9448.74
7.641e+05											
143	86	9.846e+05	2.715e+04	-4.56e-03	-0.68	0.0	-732.50	-1.081e+04	-72.05	-1.983e+04	2.715e+04
9.846e+05											
		-4.383e+05	-9448.74	-1.02e-03		508.0	-732.50	9891.09	-72.05	-1.903e+04	-9448.74
7.641e+05											
144	2	1.013e+06	-3.352e+04	5.49e-03	-0.88	0.0	42.02	-9408.30	-27.42	4.958e+04	-3.352e+04
1.013e+06											
		-5.650e+05	-5.121e+04	2.95e-03		645.0	42.02	8530.54	-27.42	4.067e+04	-5.121e+04
7.361e+05											
144	7	1.130e+06	1.573e+04	7.61e-03	-0.96	0.0	-621.07	-1.097e+04	491.95	5.258e+04	-5.931e+04
1.130e+06											
		-7.151e+05	-7.648e+04	5.86e-04		645.0	-621.07	9824.41	-545.21	4.239e+04	-7.648e+04
7.753e+05											
144	8	9.444e+05	1.852e+04	6.21e-03	-0.82	0.0	-476.71	-9110.86	492.54	4.254e+04	-5.670e+04
9.444e+05											
		-5.923e+05	-7.349e+04	1.95e-04		645.0	-476.71	8120.79	-544.62	3.293e+04	-7.349e+04
6.349e+05											
144	9	1.489e+06	-6926.56	0.01	-0.98	0.0	-1523.86	-1.270e+04	-56.76	5.435e+04	-6926.56
1.489e+06											
		-8.736e+05	-4.354e+04	2.57e-03		645.0	-1523.86	9017.49	-56.76	4.885e+04	-4.354e+04
3.318e+05											
144	17	1.977e+06	7.172e+04	-0.02	-0.82	0.0	-1.097e+04	-2350.30	-136.56	6049.72	7.172e+04
1.977e+06											
		1.787e+05	2.083e+04	9.93e-03		645.0	-1.097e+04	1.304e+04	-136.56	-1.214e+04	2.083e+04

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1.775e+06 144	20	-3.593e+05	-5.523e+04	0.01	-0.59	0.0	1.002e+04	-1.352e+04	119.37	6.656e+04	-9.504e+04	-
3.593e+05		-1.399e+06	-9.504e+04	-6.86e-03		645.0	1.002e+04	1532.17	119.37	7.844e+04	-5.523e+04	-
5.944e+05 144	33	4.816e+06	9.982e+04	0.03	-0.78	0.0	-9495.92	5759.33	-405.31	4917.98	9.982e+04	-
4.485e+06		-2.452e+05	-1.082e+05	6.66e-04		645.0	-9495.92	1.947e+04	-405.31	-1687.99	-1.082e+05	-
4.816e+06 144	34	-3.553e+05	1.395e+05	0.05	-0.70	0.0	3537.62	-2.045e+04	275.21	3.461e+04	-9.163e+04	-
2.315e+06		-3.194e+06	-9.163e+04	0.01		645.0	3537.62	-1846.20	275.21	2.676e+04	1.395e+05	-
3.194e+06 144	35	4.375e+06	6.832e+04	-0.05	-0.73	0.0	-4492.74	4577.32	-292.40	3.800e+04	6.832e+04	-
3.933e+06		-6.212e+05	-1.739e+05	-0.01		645.0	-4492.74	1.642e+04	-292.40	3.954e+04	-1.739e+05	-
4.375e+06 144	36	-7.313e+05	7.380e+04	-0.03	-0.64	0.0	8540.79	-2.163e+04	388.12	6.769e+04	-1.231e+05	-
2.868e+06		-3.635e+06	-1.231e+05	3.03e-03		645.0	8540.79	-4895.16	388.12	6.799e+04	7.380e+04	-
3.635e+06 144	49	1.641e+06	4.779e+04	0.01	-0.78	0.0	-7962.21	-3954.13	-99.82	1.473e+04	4.779e+04	-
1.641e+06		-1.273e+04	9904.44	7.51e-03		645.0	-7962.21	1.139e+04	-99.82	858.37	9904.44	-
1.435e+06 144	52	-2.398e+04	-4.430e+04	8.77e-03	-0.61	0.0	7007.08	-1.192e+04	82.63	5.788e+04	-7.110e+04	-
2.398e+04		-1.133e+06	-7.110e+04	-4.45e-03		645.0	7007.08	3183.99	82.63	6.544e+04	-4.430e+04	-
2.542e+05 144	65	3.603e+06	6.782e+04	0.02	-0.75	0.0	-6908.72	1828.28	-291.44	1.392e+04	6.782e+04	-
3.430e+06		-3.149e+05	-8.208e+04	9.29e-04		645.0	-6908.72	1.597e+04	-291.44	8303.79	-8.208e+04	-
3.603e+06 144	66	-3.935e+05	9.455e+04	0.04	-0.70	0.0	2386.44	-1.686e+04	193.76	3.510e+04	-6.868e+04	-
1.419e+06		-2.114e+06	-6.868e+04	9.77e-03		645.0	2386.44	775.22	193.76	2.861e+04	9.455e+04	-
2.108e+06 144	67	3.288e+06	4.537e+04	-0.03	-0.72	0.0	-3341.56	986.37	-210.95	3.751e+04	4.537e+04	-
3.036e+06		-5.829e+05	-1.289e+05	-6.71e-03		645.0	-3341.56	1.380e+04	-210.95	3.769e+04	-1.289e+05	-
3.288e+06 144	68	-6.616e+05	4.769e+04	-0.03	-0.65	0.0	5953.60	-1.770e+04	274.25	5.869e+04	-9.113e+04	-
1.813e+06		-2.422e+06	-9.113e+04	2.60e-03		645.0	5953.60	-1398.63	274.25	5.800e+04	4.769e+04	-
2.422e+06 144	77	8.820e+05	-2.524e+04	5.21e-03	-0.75	0.0	-132.40	-8342.35	-18.94	4.421e+04	-2.524e+04	-
8.820e+05		-5.131e+05	-3.746e+04	2.37e-03		645.0	-132.40	7579.93	-18.94	3.762e+04	-3.746e+04	-
6.468e+05 144	80	8.363e+05	9241.67	5.69e-03	-0.71	0.0	-478.21	-8144.06	327.70	3.951e+04	-4.070e+04	-
8.363e+05		-5.313e+05	-5.232e+04	5.65e-04		645.0	-478.21	7306.77	-363.74	3.246e+04	-5.232e+04	-
5.793e+05 144	81	1.075e+06	-5775.91	7.36e-03	-0.71	0.0	-1080.07	-9294.07	-38.10	4.070e+04	-5775.91	-
1.075e+06		-6.362e+05	-3.035e+04	1.89e-03		645.0	-1080.07	6768.82	-38.10	3.677e+04	-3.035e+04	-
2.836e+05 144	83	8.290e+05	-1.540e+04	5.09e-03	-0.70	0.0	-322.56	-7949.26	-12.07	3.782e+04	-1.540e+04	-
8.290e+05		-5.035e+05	-2.319e+04	1.81e-03		645.0	-322.56	7290.66	-12.07	3.387e+04	-2.319e+04	-
6.092e+05 144	84	8.057e+05	-1.110e+04	5.69e-03	-0.69	0.0	-587.50	-8076.88	-7.17	3.704e+04	-1.110e+04	-
8.057e+05		-5.464e+05	-1.572e+04	1.58e-03		645.0	-587.50	7398.73	-7.17	3.378e+04	-1.572e+04	-
5.831e+05 144	86	8.087e+05	-1.166e+04	5.44e-03	-0.69	0.0	-477.56	-7935.80	-8.59	3.631e+04	-1.166e+04	-

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8.087e+05																				
		-5.212e+05	-1.720e+04	1.61e-03		645.0	-477.56	7287.19		-8.59	3.315e+04	-1.720e+04								
5.905e+05																				
145	1	2.963e+06	2.714e+04	0.03	-1.16	0.0	1.129e+04	-2.390e+04		98.20	2.686e+04	-2.274e+04								
2.963e+06																				
		-3.208e+05	-2.274e+04	1.82e-04		508.0	1.129e+04	2.080e+04		98.20	2.889e+04	2.714e+04								
2.097e+06																				
145	5	2.852e+06	3.366e+04	0.03	-1.09	0.0	9391.21	-2.254e+04		116.72	3.289e+04	-2.563e+04								
2.852e+06																				
		-3.384e+05	-2.563e+04	1.61e-03		508.0	9391.21	1.838e+04		116.72	3.705e+04	3.366e+04								
1.731e+06																				
145	7	2.422e+06	2.534e+04	0.02	-1.09	0.0	8752.53	-2.117e+04		87.89	2.820e+04	-1.930e+04								
2.422e+06																				
		-3.784e+05	-1.930e+04	-9.24e-04		508.0	8752.53	1.986e+04		87.89	3.250e+04	2.534e+04								
2.031e+06																				
145	8	2.111e+06	1.987e+04	0.02	-0.93	0.0	7532.35	-1.859e+04		69.86	2.308e+04	-1.562e+04								
2.111e+06																				
		-3.406e+05	-1.562e+04	-9.30e-04		508.0	7532.35	1.757e+04		69.86	2.654e+04	1.987e+04								
1.801e+06																				
145	17	3.908e+06	3069.69	-0.04	-0.77	0.0	1.173e+04	-7516.44		-7.57	1967.42	-5609.53								
3.908e+06																				
		-1.180e+05	-5609.53	0.01		508.0	1.173e+04	2.032e+04		-7.57	5796.35	3069.69								
2.792e+06																				
145	20	3.612e+05	3.879e+04	0.04	-0.73	0.0	-880.71	-2.143e+04		149.70	4.032e+04	-2.473e+04	-							
5.001e+05																				
		-1.011e+06	-2.473e+04	-0.01		508.0	-880.71	5048.09		149.70	4.207e+04	3.879e+04	-							
3.612e+05																				
145	24	1.748e+05	6.607e+04	0.03	-0.73	0.0	-502.42	-2.055e+04		259.02	4.139e+04	-6.561e+04	-							
2.233e+05																				
		-8.704e+05	-6.561e+04	-0.02		508.0	-502.42	5918.63		259.02	4.310e+04	6.607e+04	-							
1.748e+05																				
145	36	9.685e+05	6.984e+04	9.68e-03	-0.72	0.0	1279.99	-1.675e+04		250.59	4.516e+04	-5.779e+04								
9.685e+05																				
		-4.598e+05	-5.779e+04	-3.85e-04		508.0	1279.99	9932.53		250.59	4.583e+04	6.984e+04								
6.045e+05																				
145	49	3.275e+06	8191.34	-0.04	-0.76	0.0	9921.92	-9513.13		15.04	7471.83	-8375.25								
3.275e+06																				
		-1.614e+05	-8375.25	7.68e-03		508.0	9921.92	1.813e+04		15.04	1.100e+04	8191.34								
2.339e+06																				
145	52	1.325e+05	3.367e+04	0.03	-0.74	0.0	929.32	-1.943e+04		127.09	3.482e+04	-2.197e+04								
1.325e+05																				
		-6.951e+05	-2.197e+04	-7.37e-03		508.0	929.32	7240.06		127.09	3.687e+04	3.367e+04								
9.148e+04																				
145	56	3.299e+05	5.311e+04	0.03	-0.74	0.0	1199.03	-1.880e+04		205.03	3.558e+04	-5.112e+04								
3.299e+05																				
		-6.232e+05	-5.112e+04	-0.01		508.0	1199.03	7860.78		205.03	3.760e+04	5.311e+04								
2.243e+05																				
145	68	1.180e+06	5.582e+04	0.01	-0.73	0.0	2469.76	-1.610e+04		199.08	3.827e+04	-4.555e+04								
1.180e+06																				
		-4.023e+05	-4.555e+04	-2.74e-04		508.0	2469.76	1.072e+04		199.08	3.955e+04	5.582e+04								
7.799e+05																				
145	77	2.114e+06	2.053e+04	0.02	-0.84	0.0	8071.68	-1.708e+04		73.48	2.018e+04	-1.680e+04								
2.114e+06																				
		-2.309e+05	-1.680e+04	1.24e-04		508.0	8071.68	1.488e+04		73.48	2.191e+04	2.053e+04								
1.501e+06																				
145	79	2.040e+06	2.488e+04	0.02	-0.79	0.0	6803.10	-1.617e+04		85.82	2.420e+04	-1.872e+04								
2.040e+06																				
		-2.426e+05	-1.872e+04	1.08e-03		508.0	6803.10	1.327e+04		85.82	2.735e+04	2.488e+04								
1.257e+06																				
145	80	1.753e+06	1.933e+04	0.02	-0.79	0.0	6377.32	-1.525e+04		66.60	2.107e+04	-1.450e+04								
1.753e+06																				
		-2.691e+05	-1.450e+04	-6.18e-04		508.0	6377.32	1.426e+04		66.60	2.432e+04	1.933e+04								
1.457e+06																				
145	83	1.777e+06	2.048e+04	0.01	-0.76	0.0	5852.70	-1.493e+04		70.29	2.043e+04	-1.523e+04								
1.777e+06																				
		-2.622e+05	-1.523e+04	1.19e-04		508.0	5852.70	1.306e+04		70.29	2.272e+04	2.048e+04								

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1.263e+06 145	84	1.751e+06	2.148e+04	0.01	-0.76	0.0	5800.71	-1.478e+04	73.27	2.191e+04	-1.574e+04
1.751e+06		-2.648e+05	-1.574e+04	1.94e-04		508.0	5800.71	1.297e+04	73.27	2.507e+04	2.148e+04
1.253e+06 145	85	1.704e+06	2.093e+04	0.01	-0.75	0.0	5425.62	-1.447e+04	71.07	2.115e+04	-1.517e+04
1.704e+06		-2.691e+05	-1.517e+04	1.52e-04		508.0	5425.62	1.268e+04	71.07	2.394e+04	2.093e+04
1.215e+06 145	86	1.704e+06	2.093e+04	0.01	-0.75	0.0	5425.62	-1.447e+04	71.07	2.115e+04	-1.517e+04
1.704e+06		-2.691e+05	-1.517e+04	1.52e-04		508.0	5425.62	1.268e+04	71.07	2.394e+04	2.093e+04
1.215e+06 147	5	1.374e+06	3064.24	0.02	-0.95	0.0	2893.44	-1.120e+04	-5.42	9603.50	3064.24
1.374e+06		-1.819e+05	312.18	7.41e-04		508.0	2893.44	9601.19	-5.42	1671.21	312.18
9.224e+05 147	9	1.280e+06	1.717e+04	0.02	-0.94	0.0	3931.77	-1.063e+04	477.05	1.167e+04	-4.547e+04
1.280e+06		-1.465e+05	-4.547e+04	-3.67e-04		508.0	3931.77	9813.04	-444.67	3207.51	-3.725e+04
1.023e+06 147	11	1.229e+06	2.136e+04	0.01	-0.96	0.0	1788.18	-1.108e+04	-225.75	6028.16	1.898e+04
1.229e+06		-2.495e+05	-9092.98	-7.99e-04		508.0	1788.18	1.020e+04	235.11	-1350.94	2.136e+04
9.744e+05 147	12	1.046e+06	2.092e+04	0.01	-0.81	0.0	1430.62	-9439.38	-226.83	5180.17	1.909e+04
1.046e+06		-2.166e+05	-9255.70	-6.33e-04		508.0	1430.62	8623.97	234.03	-1241.44	2.092e+04
8.138e+05 147	13	2.277e+06	1.900e+04	-0.08	-0.72	0.0	7840.66	-3181.53	-69.48	-3290.75	1.900e+04
2.277e+06		4.783e+04	-1.635e+04	5.66e-03		508.0	7840.66	1.179e+04	-69.48	-6967.21	-1.635e+04
1.475e+06 147	16	-1.212e+05	2.079e+04	0.08	-0.64	0.0	-4197.56	-1.163e+04	85.72	1.869e+04	-2.281e+04
5.880e+05		-8.339e+05	-2.281e+04	-6.27e-03		508.0	-4197.56	1908.02	85.72	1.232e+04	2.079e+04
1.212e+05 147	24	5.256e+04	2.769e+04	0.08	-0.64	0.0	-4038.66	-1.074e+04	111.99	2.758e+04	-2.927e+04
3.251e+05		-6.977e+05	-2.927e+04	-0.02		508.0	-4038.66	2732.49	111.99	2.086e+04	2.769e+04
5.256e+04 147	36	3.961e+05	3.198e+04	0.15	-0.59	0.0	-7644.15	-9676.48	118.58	2.597e+04	-2.841e+04
2.249e+05		-6.236e+05	-2.841e+04	-1.08e-03		508.0	-7644.15	3834.22	118.58	1.682e+04	3.198e+04
3.961e+05 147	37	1.415e+06	-8261.03	-0.16	-0.79	0.0	1.166e+04	-4039.02	-41.75	-2.208e+04	-9025.25
1.415e+06		3.064e+05	-9025.25	0.01		508.0	1.166e+04	9697.87	-41.75	-2.244e+04	-8261.03
1.143e+06 147	40	2.741e+05	1.270e+04	0.16	-0.58	0.0	-8013.32	-1.077e+04	57.99	3.747e+04	5214.04
2.741e+05		-6.541e+05	5214.04	-0.01		508.0	-8013.32	3997.57	57.99	2.779e+04	1.270e+04
2.112e+05 147	45	1.866e+06	1.300e+04	-0.06	-0.70	0.0	6113.39	-4393.80	-47.21	-135.44	1.300e+04
1.866e+06		2502.66	-1.102e+04	3.94e-03		508.0	6113.39	1.037e+04	-47.21	-4198.84	-1.102e+04
1.246e+06 147	48	1.079e+05	1.546e+04	0.06	-0.65	0.0	-2470.29	-1.042e+04	63.45	1.553e+04	-1.681e+04
1.768e+05		-5.775e+05	-1.681e+04	-4.56e-03		508.0	-2470.29	3325.89	63.45	9546.98	1.546e+04
1.079e+05 147	56	2.318e+05	2.038e+04	0.06	-0.65	0.0	-2357.00	-9781.26	82.18	2.187e+04	-2.142e+04
1.062e+04		-5.020e+05	-2.142e+04	-0.01		508.0	-2357.00	3913.72	82.18	1.564e+04	2.038e+04
2.318e+05 147	68	4.768e+05	2.345e+04	0.11	-0.61	0.0	-4928.37	-9024.36	86.90	2.072e+04	-2.080e+04

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4.027e+05											
	-4.787e+05	-2.080e+04	-8.55e-04		508.0	-4928.37	4699.19	86.90	1.276e+04	2.345e+04	
4.768e+05											
147	69	1.251e+06	-5272.93	-0.12	-0.75	0.0	8834.67	-5005.06	-27.46	-1.353e+04	-6981.89
1.251e+06											
		1.869e+05	-6981.89	9.66e-03		508.0	8834.67	8879.79	-27.46	-1.523e+04	-5272.93
1.009e+06											
147	72	4.378e+05	9710.52	0.12	-0.61	0.0	-5191.57	-9804.17	43.70	2.893e+04	3170.68
4.378e+05											
		-5.023e+05	3170.68	-0.01		508.0	-5191.57	4815.65	43.70	2.058e+04	9710.52
3.449e+05											
147	79	9.969e+05	1993.36	0.01	-0.70	0.0	2087.87	-8197.43	-3.13	6779.21	1993.36
9.969e+05											
		-1.352e+05	402.23	4.20e-04		508.0	2087.87	7103.18	-3.13	1065.47	402.23
6.863e+05											
147	81	9.346e+05	1.152e+04	0.02	-0.69	0.0	2780.10	-7815.42	318.51	8159.72	-3.036e+04
9.346e+05											
		-1.123e+05	-3.036e+04	-2.89e-04		508.0	2780.10	7244.41	-295.97	2089.67	-2.464e+04
7.537e+05											
147	82	9.003e+05	1.443e+04	0.01	-0.70	0.0	1351.03	-8116.06	-150.02	4395.65	1.261e+04
9.003e+05											
		-1.810e+05	-5989.67	-6.07e-04		508.0	1351.03	7505.28	157.22	-949.30	1.443e+04
7.210e+05											
147	83	8.693e+05	2289.94	0.01	-0.67	0.0	1881.51	-7565.57	9.28	7717.80	-2424.05
8.693e+05											
		-1.430e+05	-2424.05	-3.02e-04		508.0	1881.51	6964.88	9.28	2419.54	2289.94
6.897e+05											
147	84	8.634e+05	1853.29	0.01	-0.68	0.0	1883.56	-7565.30	6.85	7088.63	-1627.02
8.634e+05											
		-1.459e+05	-1627.02	-3.40e-04		508.0	1883.56	7012.90	6.85	1903.57	1853.29
6.959e+05											
147	85	8.446e+05	2218.80	0.01	-0.67	0.0	1821.55	-7404.61	8.12	7698.59	-1905.61
8.446e+05											
		-1.440e+05	-1905.61	-3.06e-04		508.0	1821.55	6847.72	8.12	2674.07	2218.80
6.771e+05											
147	86	8.446e+05	2218.80	0.01	-0.67	0.0	1821.55	-7404.61	8.12	7698.59	-1905.61
8.446e+05											
		-1.440e+05	-1905.61	-3.06e-04		508.0	1821.55	6847.72	8.12	2674.07	2218.80
6.771e+05											
148	1	1.417e+06	2.543e+05	0.03	-1.01	0.0	4670.92	-7484.97	1316.67	1.372e+05	-2.065e+05
1.417e+06											
		4.431e+05	-2.065e+05	-1.72e-03		350.0	4670.92	2903.12	1316.67	1.313e+05	2.543e+05
5.782e+05											
148	3	1.580e+06	2.509e+05	0.02	-0.99	0.0	6066.19	-8191.81	1321.15	1.540e+05	-2.115e+05
1.580e+06											
		4.956e+05	-2.115e+05	-1.52e-03		350.0	6066.19	2866.03	1321.15	1.485e+05	2.509e+05
6.219e+05											
148	7	1.404e+06	1.951e+05	0.03	-0.95	0.0	5024.17	-7494.77	1663.65	1.461e+05	-2.593e+05
1.404e+06											
		3.659e+05	-2.593e+05	-1.91e-03		350.0	5024.17	2194.18	929.07	1.407e+05	1.951e+05
4.480e+05											
148	10	1.161e+06	2.145e+05	0.03	-0.82	0.0	3475.06	-6778.22	1074.66	1.366e+05	-1.617e+05
1.161e+06											
		1.062e+05	-1.617e+05	-1.14e-03		350.0	3475.06	1077.77	1074.66	1.323e+05	2.145e+05
1.306e+05											
148	19	8.558e+05	3.601e+05	-0.04	-0.58	0.0	2850.96	-4873.78	1873.10	2.081e+05	-2.957e+05
8.558e+05											
		-4.060e+04	-2.957e+05	-1.26e-03		350.0	2850.96	-1266.31	1873.10	1.988e+05	3.601e+05
4.060e+04											
148	29	2.927e+06	1.457e+05	-0.10	-0.78	0.0	-3428.16	267.21	741.87	-3572.60	-1.159e+05
1.205e+06											
		1.181e+06	-1.159e+05	-3.55e-03		350.0	-3428.16	9959.76	741.87	-2289.45	1.457e+05
2.927e+06											
148	32	5.541e+05	1.737e+05	0.10	-0.63	0.0	9536.31	-1.003e+04	904.77	2.298e+05	-1.411e+05
5.541e+05											
		-2.252e+06	-1.411e+05	3.13e-03		350.0	9536.31	-6156.26	904.77	2.228e+05	1.737e+05

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2.252e+06 148	33	2.981e+06	1.555e+05	-0.10	-0.78	0.0	-3371.08	422.97	791.82	455.28	-1.233e+05	
1.192e+06		1.179e+06	-1.233e+05	-2.32e-03		350.0	-3371.08	9986.28	791.82	1486.39	1.555e+05	
2.981e+06 148	36	5.664e+05	1.638e+05	0.10	-0.63	0.0	9479.23	-1.019e+04	854.81	2.258e+05	-1.337e+05	
5.664e+05		-2.306e+06	-1.337e+05	1.89e-03		350.0	9479.23	-6182.78	854.81	2.191e+05	1.638e+05	-
2.306e+06 148	51	8.628e+05	3.026e+05	-0.03	-0.60	0.0	2906.95	-4875.17	1571.72	1.808e+05	-2.477e+05	
8.628e+05		6.803e+04	-2.477e+05	-1.04e-03		350.0	2906.95	-356.50	1571.72	1.734e+05	3.026e+05	
6.803e+04 148	61	2.184e+06	1.497e+05	-0.08	-0.75	0.0	-1569.61	-1207.89	765.37	2.992e+04	-1.195e+05	
1.112e+06		1.028e+06	-1.195e+05	-2.59e-03		350.0	-1569.61	7648.30	765.37	3.002e+04	1.497e+05	
2.184e+06 148	64	6.470e+05	1.696e+05	0.08	-0.64	0.0	7677.76	-8554.56	881.27	1.963e+05	-1.375e+05	
6.470e+05		-1.509e+06	-1.375e+05	2.18e-03		350.0	7677.76	-3844.80	881.27	1.905e+05	1.696e+05	-
1.509e+06 148	65	2.222e+06	1.568e+05	-0.08	-0.74	0.0	-1528.25	-1096.84	800.99	3.280e+04	-1.248e+05	
1.103e+06		1.046e+06	-1.248e+05	-1.75e-03		350.0	-1528.25	7667.21	800.99	3.272e+04	1.568e+05	
2.222e+06 148	68	6.558e+05	1.626e+05	0.08	-0.64	0.0	7636.40	-8665.62	845.65	1.934e+05	-1.322e+05	
6.558e+05		-1.547e+06	-1.322e+05	1.29e-03		350.0	7636.40	-3863.71	845.65	1.878e+05	1.626e+05	-
1.547e+06 148	77	1.038e+06	1.863e+05	0.02	-0.74	0.0	3466.48	-5537.13	963.82	1.032e+05	-1.511e+05	
1.038e+06		3.279e+05	-1.511e+05	-1.20e-03		350.0	3466.48	2250.04	963.82	9.892e+04	1.863e+05	
4.358e+05 148	78	1.147e+06	1.840e+05	-0.02	-0.72	0.0	4396.65	-6008.35	966.80	1.143e+05	-1.544e+05	
1.147e+06		3.629e+05	-1.544e+05	-1.07e-03		350.0	4396.65	2225.31	966.80	1.104e+05	1.840e+05	
4.649e+05 148	80	1.029e+06	1.468e+05	0.02	-0.70	0.0	3701.97	-5543.66	1195.13	1.091e+05	-1.862e+05	
1.029e+06		2.764e+05	-1.862e+05	-1.32e-03		350.0	3701.97	1777.41	705.41	1.052e+05	1.468e+05	
3.490e+05 148	81	1.007e+06	1.847e+05	0.02	-0.70	0.0	3198.02	-5886.69	931.53	1.203e+05	-1.413e+05	
1.007e+06		1.618e+05	-1.413e+05	-9.00e-04		350.0	3198.02	1505.07	931.53	1.166e+05	1.847e+05	
2.128e+05 148	83	8.865e+05	1.638e+05	0.02	-0.68	0.0	2980.11	-4907.61	842.96	1.101e+05	-1.312e+05	
8.865e+05		2.546e+05	-1.312e+05	-6.15e-04		350.0	2980.11	1955.04	842.96	1.070e+05	1.638e+05	
3.474e+05 148	84	9.315e+05	1.637e+05	0.02	-0.68	0.0	3337.39	-5101.38	848.09	1.140e+05	-1.331e+05	
9.315e+05		2.699e+05	-1.331e+05	-5.86e-04		350.0	3337.39	1955.80	848.09	1.110e+05	1.637e+05	
3.610e+05 148	85	8.794e+05	1.597e+05	0.02	-0.67	0.0	3054.08	-4881.23	823.32	1.131e+05	-1.285e+05	
8.794e+05		2.482e+05	-1.285e+05	-5.02e-04		350.0	3054.08	1901.75	823.32	1.103e+05	1.597e+05	
3.375e+05 148	86	8.794e+05	1.597e+05	0.02	-0.67	0.0	3054.08	-4881.23	823.32	1.131e+05	-1.285e+05	
8.794e+05		2.482e+05	-1.285e+05	-5.02e-04		350.0	3054.08	1901.75	823.32	1.103e+05	1.597e+05	
3.375e+05 149	1	3.380e+06	1.209e+05	-0.01	-1.21	0.0	1.204e+04	-1.627e+04	611.65	1.551e+04	-9.319e+04	
3.380e+06		-1.880e+06	-9.319e+04	-3.29e-03		350.0	1.204e+04	-1.390e+04	611.65	1.293e+04	1.209e+05	-
1.880e+06 149	2	2.873e+06	1.016e+05	-0.01	-1.04	0.0	9877.31	-1.381e+04	517.80	1.112e+04	-7.963e+04	

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2.873e+06											
	-1.700e+06	-7.963e+04	-2.90e-03	350.0	9877.31	-1.241e+04	517.80	8834.69	1.016e+05	-	
1.700e+06											
149	3	3.673e+06	1.316e+05	0.03	-1.20	0.0	1.587e+04	-1.698e+04	659.98	2.335e+04	-9.942e+04
3.673e+06											
	-1.448e+06	-9.942e+04	-3.24e-03	350.0	1.587e+04	-1.249e+04	659.98	2.090e+04	1.316e+05	-	
1.448e+06											
149	14	2.014e+06	3.065e+04	0.02	-0.83	0.0	1.033e+04	-1.009e+04	110.51	-4563.00	-7414.26
2.014e+06											
	-7.484e+05	-7414.26	1.10e-03	350.0	1.033e+04	-7341.37	110.51	-3497.89	3.065e+04	-	
7.484e+05											
149	15	2.295e+06	1.318e+05	-0.02	-0.77	0.0	5823.66	-1.025e+04	688.14	3.700e+04	-1.096e+05
2.295e+06											
	-1.389e+06	-1.096e+05	-4.65e-03	350.0	5823.66	-9396.20	688.14	3.336e+04	1.318e+05	-	
1.389e+06											
149	16	1.753e+06	1.192e+05	0.02	-0.76	0.0	6337.27	-1.190e+04	634.53	6.110e+04	-1.024e+05
1.753e+06											
	-1.455e+06	-1.024e+05	-2.37e-03	350.0	6337.27	-1.102e+04	634.53	5.693e+04	1.192e+05	-	
1.455e+06											
149	19	2.249e+06	1.393e+05	-0.02	-0.77	0.0	5840.36	-1.040e+04	739.28	3.847e+04	-1.197e+05
2.249e+06											
	-1.394e+06	-1.197e+05	-2.17e-03	350.0	5840.36	-9545.26	739.28	3.479e+04	1.393e+05	-	
1.394e+06											
149	33	3.121e+06	9.066e+04	-0.02	-0.83	0.0	7779.98	-7113.41	420.24	-3.301e+04	-5.826e+04
3.121e+06											
	-8.666e+05	-5.826e+04	-3.92e-03	350.0	7779.98	-5113.35	420.24	-3.273e+04	9.066e+04	-	
8.666e+05											
149	39	2.865e+06	1.406e+05	-0.02	-0.80	0.0	6678.02	-8176.72	737.73	-9186.29	-1.183e+05
2.865e+06											
	-1.081e+06	-1.183e+05	2.63e-03	350.0	6678.02	-6710.61	737.73	-1.052e+04	1.406e+05	-	
1.081e+06											
149	46	2.055e+06	4.517e+04	0.02	-0.82	0.0	9684.34	-1.011e+04	193.44	1404.77	-2.209e+04
2.055e+06											
	-8.405e+05	-2.209e+04	2.71e-04	350.0	9684.34	-7636.59	193.44	1794.73	4.517e+04	-	
8.405e+05											
149	47	2.255e+06	1.173e+05	-0.02	-0.77	0.0	6470.60	-1.023e+04	605.22	3.103e+04	-9.497e+04
2.255e+06											
	-1.297e+06	-9.497e+04	-3.82e-03	350.0	6470.60	-9100.98	605.22	2.807e+04	1.173e+05	-	
1.297e+06											
149	48	1.869e+06	1.083e+05	0.02	-0.77	0.0	6836.79	-1.141e+04	566.90	4.821e+04	-8.980e+04
1.869e+06											
	-1.344e+06	-8.980e+04	-2.22e-03	350.0	6836.79	-1.026e+04	566.90	4.487e+04	1.083e+05	-	
1.344e+06											
149	51	2.222e+06	1.226e+05	-0.02	-0.77	0.0	6482.51	-1.033e+04	641.63	3.208e+04	-1.021e+05
2.222e+06											
	-1.300e+06	-1.021e+05	-2.07e-03	350.0	6482.51	-9207.25	641.63	2.909e+04	1.226e+05	-	
1.300e+06											
149	65	2.844e+06	8.802e+04	-0.02	-0.82	0.0	7865.34	-7989.68	414.42	-1.888e+04	-5.834e+04
2.844e+06											
	-9.242e+05	-5.834e+04	-3.31e-03	350.0	7865.34	-6046.68	414.42	-1.905e+04	8.802e+04	-	
9.242e+05											
149	71	2.661e+06	1.236e+05	-0.02	-0.80	0.0	7079.71	-8747.68	640.59	-1896.29	-1.011e+05
2.661e+06											
	-1.077e+06	-1.011e+05	1.36e-03	350.0	7079.71	-7185.45	640.59	-3216.16	1.236e+05	-	
1.077e+06											
149	77	2.478e+06	8.916e+04	-0.01	-0.88	0.0	8992.88	-1.194e+04	449.48	1.229e+04	-6.816e+04
2.478e+06											
	-1.333e+06	-6.816e+04	-2.36e-03	350.0	8992.88	-9925.10	449.48	1.044e+04	8.916e+04	-	
1.333e+06											
149	78	2.674e+06	9.628e+04	0.02	-0.88	0.0	1.154e+04	-1.241e+04	481.70	1.751e+04	-7.231e+04
2.674e+06											
	-1.045e+06	-7.231e+04	-2.33e-03	350.0	1.154e+04	-8989.85	481.70	1.576e+04	9.628e+04	-	
1.045e+06											
149	83	2.173e+06	8.135e+04	0.01	-0.81	0.0	7843.86	-1.036e+04	401.89	1.491e+04	-5.931e+04
2.173e+06											
	-1.147e+06	-5.931e+04	-1.91e-03	350.0	7843.86	-8724.72	401.89	1.353e+04	8.135e+04	-	

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1.147e+06 149	84	2.255e+06	8.422e+04	0.02	-0.81	0.0	8817.41	-1.058e+04	415.29	1.674e+04	-6.113e+04	
2.255e+06		-1.048e+06	-6.113e+04	-1.92e-03		350.0	8817.41	-8421.81	415.29	1.538e+04	8.422e+04	-
1.048e+06 149	86	2.155e+06	8.123e+04	0.02	-0.79	0.0	8077.47	-1.017e+04	399.33	1.622e+04	-5.853e+04	
2.155e+06		-1.069e+06	-5.853e+04	-1.84e-03		350.0	8077.47	-8368.78	399.33	1.493e+04	8.123e+04	-
1.069e+06 150	1	3.407e+06	1.234e+04	-0.01	-1.25	0.0	1.496e+04	-1.580e+04	64.34	5297.27	-1.018e+04	
3.407e+06		-1.094e+06	-1.018e+04	-5.04e-05		350.0	1.496e+04	-1.001e+04	64.34	4863.57	1.234e+04	-
1.094e+06 150	2	2.886e+06	9596.66	-8.57e-03	-1.07	0.0	1.243e+04	-1.337e+04	50.84	4202.44	-8195.70	
2.886e+06		-9.941e+05	-8195.70	-2.46e-05		350.0	1.243e+04	-8869.73	50.84	3819.81	9596.66	-
9.941e+05 150	3	3.736e+06	1.480e+04	0.03	-1.23	0.0	1.906e+04	-1.660e+04	77.93	6553.66	-1.248e+04	
3.736e+06		-7.075e+05	-1.248e+04	-1.22e-04		350.0	1.906e+04	-8991.91	77.93	6139.07	1.480e+04	-
7.075e+05 150	7	3.338e+06	1.708e+04	0.02	-1.18	0.0	1.591e+04	-1.505e+04	86.53	1.071e+04	-1.321e+04	
3.338e+06		-8.322e+05	-1.321e+04	-8.44e-04		350.0	1.591e+04	-8945.81	86.53	1.021e+04	1.708e+04	-
8.322e+05 150	24	1.908e+06	4.102e+04	-0.02	-0.81	0.0	8707.38	-1.084e+04	251.07	3.851e+04	-4.736e+04	
1.908e+06		-7.100e+05	-4.736e+04	-3.27e-03		350.0	8707.38	-7067.36	251.07	3.689e+04	4.102e+04	-
7.100e+05 150	27	2.336e+06	4.079e+04	-0.01	-0.81	0.0	1.014e+04	-9484.42	251.35	3.502e+04	-4.766e+04	
2.336e+06		-6.387e+05	-4.766e+04	-3.20e-03		350.0	1.014e+04	-5993.71	251.35	3.352e+04	4.079e+04	-
6.387e+05 150	29	2.921e+06	2.433e+04	-6.16e-03	-0.83	0.0	1.243e+04	-7522.40	-108.02	-1.302e+04	2.433e+04	
2.921e+06		-4.827e+05	-1.399e+04	-4.32e-03		350.0	1.243e+04	-4246.66	-108.02	-1.252e+04	-1.399e+04	-
4.827e+05 150	32	1.433e+06	3.280e+04	-0.03	-0.80	0.0	7191.15	-1.229e+04	202.10	2.199e+04	-3.845e+04	
1.433e+06		-7.575e+05	-3.845e+04	4.30e-03		350.0	7191.15	-8131.79	202.10	2.110e+04	3.280e+04	-
7.575e+05 150	33	2.929e+06	2.674e+04	-6.12e-03	-0.83	0.0	1.240e+04	-7500.67	-123.65	-1.169e+04	2.674e+04	
2.929e+06		-4.847e+05	-1.693e+04	-3.04e-03		350.0	1.240e+04	-4235.37	-123.65	-1.126e+04	-1.693e+04	-
4.847e+05 150	56	1.985e+06	3.190e+04	-0.02	-0.81	0.0	9023.43	-1.057e+04	192.35	2.875e+04	-3.578e+04	
1.985e+06		-6.844e+05	-3.578e+04	-2.33e-03		350.0	9023.43	-6815.83	192.35	2.753e+04	3.190e+04	-
6.844e+05 150	59	2.290e+06	3.173e+04	-0.01	-0.81	0.0	1.004e+04	-9605.39	192.54	2.625e+04	-3.599e+04	
2.290e+06		-6.332e+05	-3.599e+04	-2.28e-03		350.0	1.004e+04	-6049.27	192.54	2.513e+04	3.173e+04	-
6.332e+05 150	61	2.707e+06	1.531e+04	-7.37e-03	-0.82	0.0	1.167e+04	-8205.29	-63.48	-7995.86	1.531e+04	
2.707e+06		-5.215e+05	-7269.36	-3.09e-03		350.0	1.167e+04	-4802.44	-63.48	-7691.84	-7269.36	-
5.215e+05 150	64	1.646e+06	2.608e+04	-0.03	-0.80	0.0	7942.37	-1.161e+04	157.56	1.696e+04	-2.943e+04	
1.646e+06		-7.188e+05	-2.943e+04	3.06e-03		350.0	7942.37	-7576.01	157.56	1.628e+04	2.608e+04	-
7.188e+05 150	65	2.713e+06	1.704e+04	-7.37e-03	-0.82	0.0	1.165e+04	-8189.80	-74.65	-7046.83	1.704e+04	
2.713e+06		-5.229e+05	-9369.82	-2.17e-03		350.0	1.165e+04	-4794.39	-74.65	-6793.26	-9369.82	-
5.229e+05 150	77	2.502e+06	9445.81	-0.01	-0.91	0.0	1.110e+04	-1.162e+04	48.90	4018.10	-7668.81	

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5.560e+05	151	58	2.053e+06	3.578e+04	-0.02	-0.81	0.0	9023.43	-1.024e+04	-192.35	-2.540e+04	3.578e+04	
2.053e+06			-6.073e+05	-3.190e+04	2.33e-03		350.0	9023.43	-6361.42	-192.35	-2.431e+04	-3.190e+04	-
6.073e+05	151	70	1.655e+06	2.943e+04	-0.03	-0.81	0.0	7942.37	-1.154e+04	-157.56	-5823.32	2.943e+04	
1.655e+06			-6.932e+05	-2.608e+04	-3.06e-03		350.0	7942.37	-7465.13	-157.56	-5518.98	-2.608e+04	-
6.932e+05	151	71	2.698e+06	7269.36	6.03e-03	-0.82	0.0	1.167e+04	-8271.02	63.48	-3143.54	-1.531e+04	
2.698e+06			-5.470e+05	-1.531e+04	3.09e-03		350.0	1.167e+04	-4913.31	63.48	-3064.19	7269.36	-
5.470e+05	151	72	1.647e+06	1.871e+04	0.03	-0.80	0.0	8134.50	-1.161e+04	-108.16	9790.90	1.871e+04	
1.647e+06			-7.192e+05	-1.917e+04	-3.19e-03		350.0	8134.50	-7586.28	-108.16	9409.52	-1.917e+04	-
7.192e+05	151	73	2.712e+06	-1746.40	-8.34e-03	-0.82	0.0	1.150e+04	-8187.79	2.91	-1.781e+04	-2869.41	
2.712e+06			-5.224e+05	-2869.41	4.13e-03		350.0	1.150e+04	-4784.12	2.91	-1.709e+04	-1746.40	-
5.224e+05	151	77	2.502e+06	7668.81	-0.01	-0.91	0.0	1.110e+04	-1.162e+04	-48.90	-4018.10	7668.81	
2.502e+06			-7.740e+05	-9445.81	4.50e-05		350.0	1.110e+04	-7179.84	-48.90	-3706.28	-9445.81	-
7.740e+05	151	78	2.722e+06	9200.31	0.02	-0.90	0.0	1.383e+04	-1.215e+04	-57.95	-4855.69	9200.31	
2.722e+06			-5.162e+05	-1.108e+04	9.25e-05		350.0	1.383e+04	-6501.28	-57.95	-4556.61	-1.108e+04	-
5.162e+05	151	79	2.457e+06	9687.83	0.02	-0.86	0.0	1.173e+04	-1.111e+04	-63.69	-7627.30	9687.83	
2.457e+06			-5.993e+05	-1.260e+04	5.70e-04		350.0	1.173e+04	-6470.55	-63.69	-7268.89	-1.260e+04	-
5.993e+05	151	83	2.192e+06	6927.46	0.01	-0.82	0.0	9603.06	-1.008e+04	-46.01	-4297.30	6927.46	
2.192e+06			-6.789e+05	-9177.29	4.63e-05		350.0	9603.06	-6427.68	-46.01	-4086.49	-9177.29	-
6.789e+05	151	84	2.283e+06	7513.72	0.02	-0.82	0.0	1.065e+04	-1.032e+04	-49.43	-4595.11	7513.72	
2.283e+06			-5.876e+05	-9786.74	6.32e-05		350.0	1.065e+04	-6203.94	-49.43	-4385.61	-9786.74	-
5.876e+05	151	86	2.177e+06	7059.15	0.02	-0.81	0.0	9808.36	-9907.72	-47.04	-4483.43	7059.15	
2.177e+06			-6.201e+05	-9405.49	5.42e-05		350.0	9808.36	-6189.22	-47.04	-4291.58	-9405.49	-
6.201e+05	152	1	3.380e+06	9.319e+04	-0.01	-1.21	0.0	1.204e+04	-1.627e+04	-611.65	-1.551e+04	9.319e+04	
3.380e+06			-1.880e+06	-1.209e+05	3.29e-03		350.0	1.204e+04	-1.390e+04	-611.65	-1.293e+04	-1.209e+05	-
1.880e+06	152	2	2.873e+06	7.963e+04	-0.01	-1.04	0.0	9877.31	-1.381e+04	-517.80	-1.112e+04	7.963e+04	
2.873e+06			-1.700e+06	-1.016e+05	2.90e-03		350.0	9877.31	-1.241e+04	-517.80	-8834.69	-1.016e+05	-
1.700e+06	152	3	3.673e+06	9.942e+04	0.03	-1.20	0.0	1.587e+04	-1.698e+04	-659.98	-2.335e+04	9.942e+04	
3.673e+06			-1.448e+06	-1.316e+05	3.24e-03		350.0	1.587e+04	-1.249e+04	-659.98	-2.090e+04	-1.316e+05	-
1.448e+06	152	13	2.514e+06	1.197e+05	-0.07	-0.84	0.0	5840.36	-8562.19	-739.28	-6.041e+04	1.197e+05	
2.514e+06			-6.825e+05	-1.393e+05	2.17e-03		350.0	5840.36	-5821.66	-739.28	-5.622e+04	-1.393e+05	-
6.825e+05	152	17	2.558e+06	1.096e+05	-0.07	-0.84	0.0	5823.66	-8424.76	-688.14	-6.176e+04	1.096e+05	
2.558e+06			-6.767e+05	-1.318e+05	4.65e-03		350.0	5823.66	-5678.86	-688.14	-5.754e+04	-1.318e+05	-
6.767e+05	152	20	1.751e+06	7414.26	0.07	-0.76	0.0	1.033e+04	-1.192e+04	-110.51	2.933e+04	7414.26	

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8.794e+05																			
	2.482e+05	-1.597e+05	5.02e-04			350.0	3054.08	1901.75	-823.32	-1.103e+05	-1.597e+05								
3.375e+05																			
153	86	8.794e+05	1.285e+05	0.02	-0.67	0.0	3054.08	-4881.23	-823.32	-1.131e+05	1.285e+05								
8.794e+05																			
	2.482e+05	-1.597e+05	5.02e-04			350.0	3054.08	1901.75	-823.32	-1.103e+05	-1.597e+05								
3.375e+05																			
156	1	7.399e+05	5.748e+04	0.06	-1.17	0.0	2844.97	-1852.95	173.27	2.600e+04	-2.829e+04								
7.399e+05																			
	-5.241e+05	-2.829e+04	-1.49e-03			495.0	2844.97	-3789.41	173.27	2.509e+04	5.748e+04	-							
5.241e+05																			
156	2	6.842e+05	5.333e+04	0.06	-1.02	0.0	2884.10	-1435.99	161.89	2.468e+04	-2.681e+04								
6.842e+05																			
	-5.033e+05	-2.681e+04	-1.52e-03			495.0	2884.10	-3861.82	161.89	2.365e+04	5.333e+04	-							
5.033e+05																			
156	9	2.694e+05	3.306e+04	0.01	-1.06	0.0	-1035.67	-1924.42	99.54	1.130e+04	-1.621e+04								
2.694e+05																			
	-3.587e+05	-1.621e+04	-5.86e-04			495.0	-1035.67	-732.94	99.54	1.130e+04	3.306e+04	-							
3.587e+05																			
156	17	7.046e+05	1.148e+04	-0.03	-0.83	0.0	-4169.21	-566.90	17.91	-5.880e+04	2920.91								
7.046e+05																			
	9.321e+04	2920.91	0.01			495.0	-4169.21	2321.61	17.91	-6.312e+04	1.148e+04								
2.543e+05																			
156	29	6.346e+05	7.536e+04	-0.05	-0.84	0.0	-1.067e+04	153.28	261.63	-7.954e+04	-5.439e+04								
6.346e+05																			
	5.334e+05	-5.439e+04	-4.63e-03			495.0	-1.067e+04	1082.19	261.63	-8.253e+04	7.536e+04								
5.442e+05																			
156	32	-1.309e+05	3.903e+04	0.08	-0.71	0.0	1.111e+04	-2903.85	-156.94	8.477e+04	3.903e+04	-							
1.309e+05																			
	-8.359e+05	-3.890e+04	4.47e-03			495.0	1.111e+04	-1795.59	-156.94	8.801e+04	-3.890e+04	-							
8.359e+05																			
156	35	5.138e+05	9.160e+04	-0.03	-0.80	0.0	-9716.27	-184.80	326.29	-5.571e+04	-7.038e+04								
4.241e+05																			
	3.607e+05	-7.038e+04	-0.01			495.0	-9716.27	-332.11	326.29	-5.650e+04	9.160e+04								
3.607e+05																			
156	36	-1.257e+05	3.530e+04	-0.07	-0.71	0.0	1.101e+04	-2944.57	-143.75	8.415e+04	3.530e+04	-							
1.257e+05																			
	-8.583e+05	-3.607e+04	1.30e-03			495.0	1.101e+04	-1812.73	-143.75	8.739e+04	-3.607e+04	-							
8.583e+05																			
156	49	5.746e+05	1.352e+04	-0.02	-0.80	0.0	-2909.73	-798.99	28.03	-4.117e+04	-150.89								
5.746e+05																			
	4.041e+04	-150.89	0.01			495.0	-2909.73	1553.19	28.03	-4.421e+04	1.352e+04								
1.396e+05																			
156	61	5.248e+05	5.901e+04	-0.03	-0.81	0.0	-7546.85	-285.00	201.66	-5.596e+04	-4.100e+04								
5.248e+05																			
	3.465e+05	-4.100e+04	-3.35e-03			495.0	-7546.85	671.24	201.66	-5.806e+04	5.901e+04								
3.465e+05																			
156	64	-2.103e+04	2.563e+04	0.06	-0.72	0.0	7986.26	-2465.57	-96.97	6.119e+04	2.563e+04	-							
2.103e+04																			
	-6.383e+05	-2.255e+04	3.17e-03			495.0	7986.26	-1384.64	-96.97	6.354e+04	-2.255e+04	-							
6.383e+05																			
156	67	3.747e+05	7.052e+04	-0.02	-0.78	0.0	-6865.34	-525.86	247.60	-3.897e+04	-5.238e+04								
3.747e+05																			
	2.157e+05	-5.238e+04	-0.01			495.0	-6865.34	-337.12	247.60	-3.950e+04	7.052e+04								
2.157e+05																			
156	68	-1.731e+04	2.298e+04	-0.06	-0.72	0.0	7916.76	-2494.57	-87.59	6.075e+04	2.298e+04	-							
1.731e+04																			
	-6.542e+05	-2.054e+04	8.87e-04			495.0	7916.76	-1396.85	-87.59	6.310e+04	-2.054e+04	-							
6.542e+05																			
156	77	5.180e+05	4.017e+04	0.04	-0.84	0.0	1879.26	-1420.62	120.57	1.792e+04	-1.951e+04								
5.180e+05																			
	-3.586e+05	-1.951e+04	-9.80e-04			495.0	1879.26	-2494.09	120.57	1.737e+04	4.017e+04	-							
3.586e+05																			
156	81	2.043e+05	2.389e+04	0.01	-0.77	0.0	-707.83	-1468.26	71.41	8121.16	-1.146e+04								
2.043e+05																			
	-2.483e+05	-1.146e+04	-3.83e-04			495.0	-707.83	-456.45	71.41	8171.38	2.389e+04	-							

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2.483e+05												
156	83	3.473e+05	2.480e+04	0.02	-0.76	0.0	794.89	-1421.94	72.80	7418.02	-1.123e+04	
3.473e+05												
		-2.147e+05	-1.123e+04	-4.86e-04		495.0	794.89	-1049.96	72.80	7400.81	2.480e+04	-
2.147e+05												
156	84	2.057e+05	1.648e+04	0.01	-0.74	0.0	-36.77	-1318.78	46.90	1050.51	-6734.91	
2.057e+05												
		-1.208e+05	-6734.91	-3.08e-04		495.0	-36.77	-102.45	46.90	1134.36	1.648e+04	-
1.208e+05												
156	86	2.519e+05	1.823e+04	0.01	-0.74	0.0	219.70	-1375.29	52.35	2614.54	-7683.70	
2.519e+05												
		-1.459e+05	-7683.70	-3.17e-04		495.0	219.70	-356.70	52.35	2740.47	1.823e+04	-
1.459e+05												
157	1	5.071e+05	1501.37	-0.05	-1.15	0.0	1723.02	-2160.28	-19.66	-4466.68	1501.37	
5.071e+05												
		-1.383e+05	-8229.19	-1.27e-04		495.0	1723.02	-876.04	-19.66	-4318.16	-8229.19	-
1.383e+05												
157	2	4.816e+05	1238.94	-0.04	-1.01	0.0	1882.53	-1791.94	-17.76	-4322.63	1238.94	
4.816e+05												
		-1.471e+05	-7550.76	-1.81e-04		495.0	1882.53	-1146.66	-17.76	-4236.19	-7550.76	-
1.471e+05												
157	3	1.976e+05	4688.31	3.59e-03	-1.06	0.0	-2237.89	-1389.75	-32.71	-6618.66	4688.31	-
1.558e+05												
		-2.691e+05	-1.150e+04	2.96e-04		495.0	-2237.89	2850.24	-32.71	-6443.76	-1.150e+04	
1.976e+05												
157	7	9.092e+04	5749.60	8.92e-03	-1.04	0.0	-987.97	-1676.24	-39.96	-9553.86	5749.60	
5.971e+04												
		-1.344e+05	-1.403e+04	-1.08e-03		495.0	-987.97	1724.78	-39.96	-9524.07	-1.403e+04	
9.092e+04												
157	22	1.195e+05	2.734e+04	5.09e-03	-0.73	0.0	970.99	-1569.36	-119.74	-3.059e+04	2.734e+04	
1.195e+05												
		-1.927e+05	-3.258e+04	0.02		495.0	970.99	1385.63	-119.74	-3.228e+04	-3.258e+04	-
7.008e+04												
157	29	6.794e+05	5718.48	-0.02	-0.76	0.0	-7263.16	-62.62	33.85	-3.050e+04	-1.111e+04	
1.885e+05												
		1.866e+05	-1.111e+04	-6.39e-03		495.0	-7263.16	2035.79	33.85	-3.149e+04	5718.48	
6.794e+05												
157	32	-2.884e+04	1.596e+04	0.03	-0.72	0.0	6013.93	-2576.15	-70.15	2.296e+04	1.596e+04	-
2.884e+04												
		-5.792e+05	-1.884e+04	6.61e-03		495.0	6013.93	289.37	-70.15	2.441e+04	-1.884e+04	-
5.719e+05												
157	33	6.875e+05	3853.05	-0.02	-0.76	0.0	-7234.19	-45.05	24.70	-3.046e+04	-8409.78	
1.880e+05												
		1.857e+05	-8409.78	-3.19e-03		495.0	-7234.19	2045.55	24.70	-3.146e+04	3853.05	
6.875e+05												
157	36	-2.842e+04	1.326e+04	0.03	-0.72	0.0	5984.96	-2593.72	-61.01	2.292e+04	1.326e+04	-
2.842e+04												
		-5.866e+05	-1.698e+04	3.42e-03		495.0	5984.96	279.61	-61.01	2.438e+04	-1.698e+04	-
5.799e+05												
157	54	1.081e+05	2.011e+04	5.31e-03	-0.73	0.0	513.47	-1497.76	-90.02	-2.289e+04	2.011e+04	
1.081e+05												
		-1.599e+05	-2.489e+04	0.02		495.0	513.47	1321.28	-90.02	-2.403e+04	-2.489e+04	-
3.462e+04												
157	61	5.002e+05	2249.42	-0.01	-0.75	0.0	-5358.77	-422.90	19.07	-2.282e+04	-7248.04	
1.572e+05												
		1.357e+05	-7248.04	-4.52e-03		495.0	-5358.77	1786.10	19.07	-2.347e+04	2249.42	
5.002e+05												
157	64	2373.97	1.209e+04	0.02	-0.72	0.0	4109.54	-2215.87	-55.37	1.529e+04	1.209e+04	
2373.97												
		-4.198e+05	-1.537e+04	4.75e-03		495.0	4109.54	539.06	-55.37	1.638e+04	-1.537e+04	-
3.926e+05												
157	65	5.059e+05	940.26	-0.01	-0.75	0.0	-5338.08	-410.37	12.58	-2.280e+04	-5321.90	
1.569e+05												
		1.345e+05	-5321.90	-2.25e-03		495.0	-5338.08	1793.06	12.58	-2.345e+04	940.26	
5.059e+05												
157	68	2672.17	1.017e+04	0.02	-0.72	0.0	4088.85	-2228.40	-48.89	1.526e+04	1.017e+04	

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2672.17												
	-4.240e+05	-1.406e+04	2.47e-03		495.0	4088.85	532.10	-48.89	1.637e+04	-1.406e+04	-	
3.983e+05												
157	77	3.494e+05	1117.54	-0.03	-0.83	0.0	1077.79	-1603.89	-13.95	-3041.82	1117.54	
3.494e+05												
		-8.825e+04	-5787.66	7.72e-05		495.0	1077.79	-463.75	-13.95	-2915.21	-5787.66	-
8.825e+04												
157	78	1.357e+05	3242.17	1.83e-03	-0.77	0.0	-1562.82	-1090.20	-22.65	-4476.47	3242.17	-
9.252e+04												
		-1.864e+05	-7970.69	2.20e-04		495.0	-1562.82	2020.44	-22.65	-4332.27	-7970.69	-
1.357e+05												
157	80	6.454e+04	3949.70	7.48e-03	-0.76	0.0	-729.54	-1281.20	-27.48	-6433.27	3949.70	-
5.115e+04												
		-9.949e+04	-9654.95	-6.93e-04		495.0	-729.54	1270.13	-27.48	-6385.81	-9654.95	-
6.454e+04												
157	83	1.815e+05	1933.11	0.01	-0.75	0.0	-4.18	-1433.41	-16.31	-3459.03	1933.11	-
1.815e+05												
		-4.636e+04	-6139.73	1.43e-04		495.0	-4.18	575.36	-16.31	-3250.26	-6139.73	-
1499.43												
157	84	8.061e+04	2684.96	2.81e-03	-0.73	0.0	-936.34	-1250.74	-19.42	-3971.17	2684.96	-
2.501e+04												
		-1.148e+05	-6928.44	1.97e-04		495.0	-936.34	1451.59	-19.42	-3758.68	-6928.44	-
8.061e+04												
157	86	7.981e+04	2423.14	5.86e-03	-0.72	0.0	-624.61	-1319.38	-18.15	-3767.68	2423.14	-
7.981e+04												
		-8.634e+04	-6562.25	1.81e-04		495.0	-624.61	1162.58	-18.15	-3542.27	-6562.25	-
5.378e+04												
158	1	5.071e+05	8229.19	-0.05	-1.15	0.0	1723.02	-2160.28	19.66	4466.68	-1501.37	-
5.071e+05												
		-1.383e+05	-1501.37	1.27e-04		495.0	1723.02	-876.04	19.66	4318.16	8229.19	-
1.383e+05												
158	2	4.816e+05	7550.76	-0.04	-1.01	0.0	1882.53	-1791.94	17.76	4322.63	-1238.94	-
4.816e+05												
		-1.471e+05	-1238.94	1.81e-04		495.0	1882.53	-1146.66	17.76	4236.19	7550.76	-
1.471e+05												
158	3	1.976e+05	1.150e+04	3.59e-03	-1.06	0.0	-2237.89	-1389.75	32.71	6618.66	-4688.31	-
1.558e+05												
		-2.691e+05	-4688.31	-2.96e-04		495.0	-2237.89	2850.24	32.71	6443.76	1.150e+04	-
1.976e+05												
158	5	9.092e+04	1.403e+04	8.92e-03	-1.04	0.0	-987.97	-1676.24	39.96	9553.86	-5749.60	-
5.971e+04												
		-1.344e+05	-5749.60	1.08e-03		495.0	-987.97	1724.78	39.96	9524.07	1.403e+04	-
9.092e+04												
158	28	-1.162e+04	3.258e+04	0.03	-0.72	0.0	970.99	-1812.06	119.74	4.010e+04	-2.734e+04	-
1.162e+04												
		-2.334e+05	-2.734e+04	-0.02		495.0	970.99	481.29	119.74	4.210e+04	3.258e+04	-
1.917e+05												
158	38	1.595e+04	1.884e+04	-0.03	-0.72	0.0	6013.93	-2538.13	70.15	8720.27	-1.596e+04	-
1.595e+04												
		-5.700e+05	-1.596e+04	-6.61e-03		495.0	6013.93	508.34	70.15	8323.95	1.884e+04	-
5.517e+05												
158	39	6.593e+05	1.111e+04	0.02	-0.75	0.0	-7263.16	-100.64	-33.85	-1184.91	1.111e+04	-
1.437e+05												
		1.426e+05	-5718.48	6.39e-03		495.0	-7263.16	1816.82	-33.85	-1239.40	-5718.48	-
6.593e+05												
158	41	6.877e+05	2.033e+04	-0.02	-0.76	0.0	-7021.01	-45.37	-73.55	-2.040e+04	2.033e+04	-
1.838e+05												
		1.811e+05	-1.645e+04	0.01		495.0	-7021.01	2075.66	-73.55	-2.170e+04	-1.645e+04	-
6.877e+05												
158	44	-2.418e+04	2.958e+04	0.03	-0.72	0.0	5771.78	-2593.39	109.85	2.793e+04	-2.518e+04	-
2.418e+04												
		-5.858e+05	-2.518e+04	-0.01		495.0	5771.78	249.50	109.85	2.878e+04	2.958e+04	-
5.802e+05												
158	60	1.464e+04	2.489e+04	0.02	-0.72	0.0	513.47	-1670.77	90.02	2.967e+04	-2.011e+04	-
1.464e+04												
		-1.909e+05	-2.011e+04	-0.02		495.0	513.47	676.61	90.02	3.103e+04	2.489e+04	-

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1.213e+05												
158	70	3.431e+04	1.537e+04	-0.02	-0.72	0.0	4109.54	-2188.77	55.37	7298.95	-1.209e+04	
3.431e+04												
		-4.144e+05	-1.209e+04	-4.75e-03		495.0	4109.54	695.19	55.37	6951.72	1.537e+04	-
3.782e+05												
158	71	4.858e+05	7248.04	0.01	-0.74	0.0	-5358.77	-450.00	-19.07	236.41	7248.04	
1.253e+05												
		1.063e+05	-2249.42	4.52e-03		495.0	-5358.77	1629.97	-19.07	132.83	-2249.42	
4.858e+05												
158	73	5.061e+05	1.378e+04	-0.01	-0.74	0.0	-5186.18	-410.60	-47.07	-1.346e+04	1.378e+04	
1.539e+05												
		1.311e+05	-9788.82	0.01		495.0	-5186.18	1814.49	-47.07	-1.445e+04	-9788.82	
5.061e+05												
158	76	5699.85	2.291e+04	0.02	-0.72	0.0	3936.95	-2228.16	83.37	2.100e+04	-1.863e+04	
5699.85												
		-4.226e+05	-1.863e+04	-0.01		495.0	3936.95	510.67	83.37	2.154e+04	2.291e+04	-
3.985e+05												
158	77	3.494e+05	5787.66	-0.03	-0.83	0.0	1077.79	-1603.89	13.95	3041.82	-1117.54	
3.494e+05												
		-8.825e+04	-1117.54	-7.72e-05		495.0	1077.79	-463.75	13.95	2915.21	5787.66	-
8.825e+04												
158	78	1.357e+05	7970.69	1.83e-03	-0.77	0.0	-1562.82	-1090.20	22.65	4476.47	-3242.17	-
9.252e+04												
		-1.864e+05	-3242.17	-2.20e-04		495.0	-1562.82	2020.44	22.65	4332.27	7970.69	
1.357e+05												
158	79	6.454e+04	9654.95	7.48e-03	-0.76	0.0	-729.54	-1281.20	27.48	6433.27	-3949.70	
5.115e+04												
		-9.949e+04	-3949.70	6.93e-04		495.0	-729.54	1270.13	27.48	6385.81	9654.95	
6.454e+04												
158	83	1.815e+05	6139.73	0.01	-0.75	0.0	-4.18	-1433.41	16.31	3459.03	-1933.11	
1.815e+05												
		-4.636e+04	-1933.11	-1.43e-04		495.0	-4.18	575.36	16.31	3250.26	6139.73	
1499.43												
158	84	8.061e+04	6928.44	2.81e-03	-0.73	0.0	-936.34	-1250.74	19.42	3971.17	-2684.96	
2.501e+04												
		-1.148e+05	-2684.96	-1.97e-04		495.0	-936.34	1451.59	19.42	3758.68	6928.44	
8.061e+04												
158	86	7.981e+04	6562.25	5.86e-03	-0.72	0.0	-624.61	-1319.38	18.15	3767.68	-2423.14	
7.981e+04												
		-8.634e+04	-2423.14	-1.81e-04		495.0	-624.61	1162.58	18.15	3542.27	6562.25	
5.378e+04												
159	1	7.399e+05	2.829e+04	0.06	-1.17	0.0	2844.97	-1852.95	-173.27	-2.600e+04	2.829e+04	
7.399e+05												
		-5.241e+05	-5.748e+04	1.49e-03		495.0	2844.97	-3789.41	-173.27	-2.509e+04	-5.748e+04	-
5.241e+05												
159	2	6.842e+05	2.681e+04	0.06	-1.02	0.0	2884.10	-1435.99	-161.89	-2.468e+04	2.681e+04	
6.842e+05												
		-5.033e+05	-5.333e+04	1.52e-03		495.0	2884.10	-3861.82	-161.89	-2.365e+04	-5.333e+04	-
5.033e+05												
159	9	2.694e+05	1.621e+04	0.01	-1.06	0.0	-1035.67	-1924.42	-99.54	-1.130e+04	1.621e+04	
2.694e+05												
		-3.587e+05	-3.306e+04	5.86e-04		495.0	-1035.67	-732.94	-99.54	-1.130e+04	-3.306e+04	-
3.587e+05												
159	13	6.974e+05	3.798e+04	-0.07	-0.83	0.0	-657.99	-553.67	-189.47	-6.321e+04	3.798e+04	
6.974e+05												
		9.477e+04	-5.619e+04	7.88e-03		495.0	-657.99	2279.08	-189.47	-6.770e+04	-5.619e+04	
2.612e+05												
159	38	1.112e+05	3.890e+04	-0.09	-0.73	0.0	1.111e+04	-2638.67	156.94	5.167e+04	-3.903e+04	
1.112e+05												
		-7.107e+05	-3.903e+04	-4.47e-03		495.0	1.111e+04	-301.24	156.94	5.217e+04	3.890e+04	-
6.932e+05												
159	39	5.131e+05	5.439e+04	0.06	-0.79	0.0	-1.067e+04	-111.91	-261.63	-5.690e+04	5.439e+04	
3.925e+05												
		3.925e+05	-7.536e+04	4.63e-03		495.0	-1.067e+04	-412.16	-261.63	-5.766e+04	-7.536e+04	
4.014e+05												
159	41	6.030e+05	7.038e+04	-0.06	-0.83	0.0	-9716.27	226.17	-326.29	-8.073e+04	7.038e+04	

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1.210e+06 160	32	-1.430e+05	4.381e+04	0.01	-0.73	0.0	5990.41	-3782.49	119.78	2.370e+04	-3.441e+04	-
5.293e+05		-8.011e+05	-3.441e+04	5.74e-03		645.0	5990.41	-834.27	119.78	2.483e+04	4.381e+04	-
8.011e+05 160	34	-2.273e+04	5.610e+04	6.18e-03	-0.74	0.0	4145.87	-3450.15	136.96	1.369e+04	-2.973e+04	-
4.452e+05		-6.862e+05	-2.973e+04	0.01		645.0	4145.87	-540.49	136.96	1.292e+04	5.610e+04	-
6.862e+05 160	35	1.095e+06	4.101e+04	-0.01	-0.77	0.0	-2630.99	1713.49	-165.18	1.730e+04	4.101e+04	-
5.499e+05		-7.401e+04	-6.302e+04	-9.98e-03		645.0	-2630.99	3015.85	-165.18	1.743e+04	-6.302e+04	-
1.095e+06 160	61	9.212e+05	3.419e+04	9.05e-03	-0.77	0.0	-2973.56	1209.43	-109.57	9648.20	3.419e+04	-
4.671e+05		1.905e+04	-3.717e+04	-2.08e-03		645.0	-2973.56	2715.28	-109.57	8288.13	-3.717e+04	-
9.212e+05 160	64	-1.158e+05	3.024e+04	0.01	-0.74	0.0	4488.44	-2946.09	81.36	2.135e+04	-2.292e+04	-
3.624e+05		-5.126e+05	-2.292e+04	4.44e-03		645.0	4488.44	-239.92	81.36	2.206e+04	3.024e+04	-
5.126e+05 160	66	-3.008e+04	3.900e+04	7.10e-03	-0.74	0.0	3173.31	-2709.41	93.60	1.421e+04	-1.958e+04	-
3.024e+05		-4.307e+05	-1.958e+04	9.13e-03		645.0	3173.31	-30.51	93.60	1.357e+04	3.900e+04	-
4.307e+05 160	67	8.393e+05	3.086e+04	-0.01	-0.77	0.0	-1658.43	972.75	-121.81	1.678e+04	3.086e+04	-
4.072e+05		-6.667e+04	-4.593e+04	-6.77e-03		645.0	-1658.43	2505.87	-121.81	1.678e+04	-4.593e+04	-
8.393e+05 160	77	3.727e+05	1703.17	-0.02	-0.87	0.0	3735.71	-20.75	-20.86	1.887e+04	1703.17	-
1.218e+05		1.218e+05	-1.175e+04	1.46e-03		645.0	3735.71	632.77	-20.86	1.727e+04	-1.175e+04	-
3.727e+05 160	78	1.159e+05	5964.36	-0.02	-0.81	0.0	-629.31	-1247.47	-12.93	1.823e+04	5964.36	-
192.43		-1.592e+05	-2373.42	1.23e-03		645.0	-629.31	1402.25	-12.93	1.745e+04	-2373.42	-
1.159e+05 160	81	9.241e+04	7507.48	-0.01	-0.79	0.0	299.59	-1156.46	-21.87	1.786e+04	7507.48	-
9.016e+04		-8.142e+04	-6595.46	1.42e-03		645.0	299.59	999.61	-21.87	1.726e+04	-6595.46	-
9.241e+04 160	83	2.651e+05	4466.95	-9.80e-03	-0.78	0.0	1806.48	-572.00	-16.21	1.607e+04	4466.95	-
7.966e+04		2.233e+04	-5986.30	1.24e-03		645.0	1806.48	1041.34	-16.21	1.545e+04	-5986.30	-
2.651e+05 160	84	1.745e+05	5937.26	-0.01	-0.76	0.0	270.28	-1003.42	-13.45	1.593e+04	5937.26	-
3.649e+04		-8.792e+04	-2738.86	1.18e-03		645.0	270.28	1309.86	-13.45	1.558e+04	-2738.86	-
1.745e+05 160	86	2.043e+05	5637.78	-9.37e-03	-0.75	0.0	757.44	-868.33	-14.11	1.550e+04	5637.78	-
5.238e+04		-5.138e+04	-3461.43	1.18e-03		645.0	757.44	1237.68	-14.11	1.518e+04	-3461.43	-
2.043e+05 161	1	4.987e+05	4540.56	-0.03	-1.20	0.0	1748.02	-1955.38	-3.16	7927.36	4540.56	-
2.014e+05		-3.170e+04	2499.71	5.91e-04		645.0	1748.02	2503.47	-3.16	7992.75	2499.71	-
4.987e+05 161	2	4.554e+05	3892.98	-0.03	-1.04	0.0	2178.37	-1379.60	-2.73	6573.33	3892.98	-
1.876e+05		3.189e+04	2130.00	4.92e-04		645.0	2178.37	1917.55	-2.73	6593.92	2130.00	-
4.554e+05 161	3	1.875e+04	4962.81	-0.04	-1.11	0.0	-4787.97	-3329.02	-0.83	7573.58	4962.81	-
4.014e+04		-5.192e+05	4426.28	4.98e-04		645.0	-4787.97	3084.59	-0.83	7727.76	4426.28	-
1.875e+04 161	7	1.657e+05	6007.80	-0.03	-1.08	0.0	-2579.77	-2761.95	-1.87	6232.16	6007.80	-

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3.367e+04											
	-3.502e+05	4801.78	-1.15e-03		645.0	-2579.77	2827.75	-1.87	6300.69	4801.78	
1.657e+05											
161	29 7.299e+05	1.319e+04	-0.03	-0.77	0.0	-4638.09	-174.44	-42.32	-4668.62	1.319e+04	
3.665e+05											
	-1.738e+05	-1.242e+04	-5.61e-03		645.0	-4638.09	3300.61	-42.32	-5145.77	-1.242e+04	
7.299e+05											
161	32 -2.383e+05	1.729e+04	7.37e-03	-0.73	0.0	1394.71	-3599.74	39.81	1.421e+04	-6707.47	-
3.003e+05											
	-4.907e+05	-6707.47	6.34e-03		645.0	1394.71	774.97	39.81	1.516e+04	1.729e+04	-
4.374e+05											
161	34 -2.121e+05	2.327e+04	6.06e-03	-0.73	0.0	1249.43	-3540.68	30.89	8540.92	-2485.33	-
2.816e+05											
	-4.545e+05	-2485.33	0.01		645.0	1249.43	805.44	30.89	8511.84	2.327e+04	-
3.996e+05											
161	35 6.921e+05	8967.54	-0.03	-0.77	0.0	-4492.81	-233.51	-33.40	1005.06	8967.54	
3.479e+05											
	-2.000e+05	-1.840e+04	-0.01		645.0	-4492.81	3270.14	-33.40	1504.44	-1.840e+04	
6.921e+05											
161	61 5.625e+05	1.033e+04	-0.03	-0.76	0.0	-3772.44	-665.88	-30.53	-1960.74	1.033e+04	
2.709e+05											
	-1.831e+05	-8167.93	-3.90e-03		645.0	-3772.44	2938.60	-30.53	-2233.45	-8167.93	
5.625e+05											
161	64 -2.046e+05	1.303e+04	0.01	-0.73	0.0	529.06	-3108.31	28.02	1.151e+04	-3850.78	-
2.046e+05											
	-3.860e+05	-3850.78	4.63e-03		645.0	529.06	1136.98	28.02	1.225e+04	1.303e+04	-
2.700e+05											
161	66 -1.913e+05	1.728e+04	9.47e-03	-0.73	0.0	425.55	-3066.28	21.67	7461.48	-845.35	-
1.913e+05											
	-3.615e+05	-845.35	9.31e-03		645.0	425.55	1158.70	21.67	7508.23	1.728e+04	-
2.431e+05											
161	67 5.356e+05	7327.56	-0.03	-0.76	0.0	-3668.93	-707.91	-24.18	2084.50	7327.56	
2.576e+05											
	-2.018e+05	-1.242e+04	-8.58e-03		645.0	-3668.93	2916.87	-24.18	2508.05	-1.242e+04	
5.356e+05											
161	77 3.517e+05	3314.85	-0.03	-0.87	0.0	974.08	-1559.48	-2.30	5886.70	3314.85	
1.404e+05											
	-4.940e+04	1830.79	4.38e-04		645.0	974.08	1929.39	-2.30	5950.20	1830.79	
3.517e+05											
161	78 3.173e+04	3596.35	-0.03	-0.81	0.0	-3383.25	-2475.25	-0.75	5650.85	3596.35	-
2.062e+04											
	-3.752e+05	3115.17	3.76e-04		645.0	-3383.25	2316.80	-0.75	5773.54	3115.17	
3.173e+04											
161	80 1.297e+05	4293.01	-0.02	-0.79	0.0	-1911.12	-2097.20	-1.44	4756.57	4293.01	
2.859e+04											
	-2.625e+05	3365.50	-7.44e-04		645.0	-1911.12	2145.58	-1.44	4822.17	3365.50	
1.297e+05											
161	83 2.213e+05	3211.43	-0.02	-0.77	0.0	-628.39	-1709.47	-1.63	4965.78	3211.43	
7.145e+04											
	-1.548e+05	2162.98	3.84e-04		645.0	-628.39	1966.96	-1.63	5167.96	2162.98	
2.213e+05											
161	84 1.083e+05	3318.09	-0.02	-0.75	0.0	-2172.66	-2040.25	-1.08	4910.00	3318.09	
1.470e+04											
	-2.715e+05	2622.84	3.63e-04		645.0	-2172.66	2107.76	-1.08	5129.26	2622.84	
1.083e+05											
161	86 1.462e+05	3241.11	-0.02	-0.75	0.0	-1621.69	-1887.09	-1.25	4772.99	3241.11	
3.312e+04											
	-2.275e+05	2432.40	3.64e-04		645.0	-1621.69	2037.79	-1.25	5008.14	2432.40	
1.462e+05											
162	1 4.987e+05	-2499.71	-0.03	-1.20	0.0	1748.02	-1955.38	3.16	-7927.36	-4540.56	
2.014e+05											
	-3.170e+04	-4540.56	-5.91e-04		645.0	1748.02	2503.47	3.16	-7992.75	-2499.71	
4.987e+05											
162	2 4.554e+05	-2130.00	-0.03	-1.04	0.0	2178.37	-1379.60	2.73	-6573.33	-3892.98	
1.876e+05											
	3.189e+04	-3892.98	-4.92e-04		645.0	2178.37	1917.55	2.73	-6593.92	-2130.00	

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4.554e+05 162	3	1.875e+04	-4426.28	-0.04	-1.11	0.0	-4787.97	-3329.02	0.83	-7573.58	-4962.81	-
4.014e+04		-5.192e+05	-4962.81	-4.98e-04		645.0	-4787.97	3084.59	0.83	-7727.76	-4426.28	
1.875e+04 162	5	1.657e+05	-4801.78	-0.03	-1.08	0.0	-2579.77	-2761.95	1.87	-6232.16	-6007.80	
3.367e+04		-3.502e+05	-6007.80	1.15e-03		645.0	-2579.77	2827.75	1.87	-6300.69	-4801.78	
1.657e+05 162	37	7.226e+05	1.632e+04	-0.03	-0.77	0.0	-4472.24	-189.04	36.16	-1.358e+04	-8718.55	
3.669e+05		-1.700e+05	-8718.55	8.83e-03		645.0	-4472.24	3294.87	36.16	-1.440e+04	1.632e+04	
7.226e+05 162	38	-2.160e+05	6707.47	-8.09e-03	-0.73	0.0	1394.71	-3516.57	-39.81	-230.47	6707.47	-
2.863e+05		-4.450e+05	-1.729e+04	-6.34e-03		645.0	1394.71	800.47	-39.81	-898.01	-1.729e+04	-
3.875e+05 162	39	6.800e+05	1.242e+04	0.03	-0.77	0.0	-4638.09	-257.62	42.32	-9315.51	-1.319e+04	
3.526e+05		-1.966e+05	-1.319e+04	5.61e-03		645.0	-4638.09	3275.10	42.32	-9118.27	1.242e+04	
6.800e+05 162	40	-2.421e+05	2236.33	8.00e-03	-0.73	0.0	1228.86	-3585.14	-33.65	4037.59	2236.33	-
3.007e+05		-4.843e+05	-2.119e+04	-9.56e-03		645.0	1228.86	780.70	-33.65	4384.46	-2.119e+04	-
4.302e+05 162	41	7.178e+05	1.840e+04	-0.03	-0.77	0.0	-4492.81	-198.56	33.40	-1.499e+04	-8967.54	
3.712e+05		-1.699e+05	-8967.54	0.01		645.0	-4492.81	3305.58	33.40	-1.577e+04	1.840e+04	
7.178e+05 162	44	-2.422e+05	2485.33	7.87e-03	-0.73	0.0	1249.43	-3575.63	-30.89	5443.21	2485.33	-
3.050e+05		-4.804e+05	-2.327e+04	-0.01		645.0	1249.43	770.00	-30.89	5752.20	-2.327e+04	-
4.253e+05 162	69	5.573e+05	1.093e+04	-0.03	-0.76	0.0	-3654.23	-676.28	26.15	-1.106e+04	-7148.69	
2.712e+05		-1.838e+05	-7148.69	6.19e-03		645.0	-3654.23	2934.51	26.15	-1.171e+04	1.093e+04	
5.573e+05 162	70	-1.947e+05	3850.78	-0.01	-0.74	0.0	529.06	-3049.06	-28.02	-1532.03	3850.78	-
1.947e+05		-3.553e+05	-1.303e+04	-4.63e-03		645.0	529.06	1155.16	-28.02	-2075.44	-1.303e+04	-
2.344e+05 162	71	5.269e+05	8167.93	0.03	-0.76	0.0	-3772.44	-725.13	30.53	-8013.95	-1.033e+04	
2.609e+05		-2.039e+05	-1.033e+04	3.90e-03		645.0	-3772.44	2920.42	30.53	-7940.84	8167.93	
5.269e+05 162	72	-2.049e+05	666.48	0.01	-0.73	0.0	410.85	-3097.90	-23.64	1511.03	666.48	-
2.049e+05		-3.820e+05	-1.580e+04	-6.92e-03		645.0	410.85	1141.07	-23.64	1690.89	-1.580e+04	-
2.648e+05 162	73	5.539e+05	1.242e+04	-0.03	-0.76	0.0	-3668.93	-683.10	24.18	-1.206e+04	-7327.56	
2.742e+05		-1.841e+05	-7327.56	8.58e-03		645.0	-3668.93	2942.14	24.18	-1.268e+04	1.242e+04	
5.539e+05 162	76	-2.080e+05	845.35	0.01	-0.73	0.0	425.55	-3091.09	-21.67	2513.21	845.35	-
2.080e+05		-3.797e+05	-1.728e+04	-9.31e-03		645.0	425.55	1133.43	-21.67	2666.06	-1.728e+04	-
2.614e+05 162	77	3.517e+05	-1830.79	-0.03	-0.87	0.0	974.08	-1559.48	2.30	-5886.70	-3314.85	
1.404e+05		-4.940e+04	-3314.85	-4.38e-04		645.0	974.08	1929.39	2.30	-5950.20	-1830.79	
3.517e+05 162	78	3.173e+04	-3115.17	-0.03	-0.81	0.0	-3383.25	-2475.25	0.75	-5650.85	-3596.35	-
2.062e+04		-3.752e+05	-3596.35	-3.76e-04		645.0	-3383.25	2316.80	0.75	-5773.54	-3115.17	
3.173e+04 162	79	1.297e+05	-3365.50	-0.02	-0.79	0.0	-1911.12	-2097.20	1.44	-4756.57	-4293.01	

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2.859e+04													
		-2.625e+05	-4293.01	7.44e-04		645.0	-1911.12	2145.58	1.44	-4822.17	-3365.50		
1.297e+05													
162	83	2.213e+05	-2162.98	-0.02	-0.77	0.0	-628.39	-1709.47	1.63	-4965.78	-3211.43		
7.145e+04													
		-1.548e+05	-3211.43	-3.84e-04		645.0	-628.39	1966.96	1.63	-5167.96	-2162.98		
2.213e+05													
162	84	1.083e+05	-2622.84	-0.02	-0.75	0.0	-2172.66	-2040.25	1.08	-4910.00	-3318.09		
1.470e+04													
		-2.715e+05	-3318.09	-3.63e-04		645.0	-2172.66	2107.76	1.08	-5129.26	-2622.84		
1.083e+05													
162	86	1.462e+05	-2432.40	-0.02	-0.75	0.0	-1621.69	-1887.09	1.25	-4772.99	-3241.11		
3.312e+04													
		-2.275e+05	-3241.11	-3.64e-04		645.0	-1621.69	2037.79	1.25	-5008.14	-2432.40		
1.462e+05													
163	1	5.229e+05	1.737e+04	-0.02	-1.20	0.0	5634.54	263.78	29.31	-2.540e+04	-1536.16		
1.674e+05													
		1.674e+05	-1536.16	-2.02e-03		645.0	5634.54	626.45	29.31	-2.299e+04	1.737e+04		
5.229e+05													
163	2	4.687e+05	1.697e+04	-0.01	-1.04	0.0	5681.00	706.14	26.32	-2.103e+04	-8.27		
1.444e+05													
		1.444e+05	-8.27	-1.79e-03		645.0	5681.00	142.40	26.32	-1.862e+04	1.697e+04		
4.687e+05													
163	3	1.376e+05	3294.43	-0.02	-1.11	0.0	-912.99	-1576.29	17.40	-2.444e+04	-7927.95		
1.499e+04													
		-2.141e+05	-7927.95	-1.64e-03		645.0	-912.99	1780.68	17.40	-2.326e+04	3294.43		
1.376e+05													
163	9	1.200e+05	9627.50	-0.02	-1.09	0.0	480.37	-1439.78	30.81	-2.388e+04	-1.024e+04		
1.200e+05													
		-9.839e+04	-1.024e+04	-1.93e-03		645.0	480.37	1176.72	30.81	-2.298e+04	9627.50		
1.025e+05													
163	37	1.191e+06	5.973e+04	-0.02	-0.78	0.0	-2539.38	1993.15	157.31	-2.339e+04	-4.082e+04		
6.401e+05													
		6.202e+04	-4.082e+04	6.63e-03		645.0	-2539.38	3329.89	157.31	-2.422e+04	5.973e+04		
1.191e+06													
163	38	-3.945e+04	3.441e+04	-0.02	-0.74	0.0	5990.41	-3345.76	-119.78	-1.477e+04	3.441e+04		
4.730e+05													
		-6.500e+05	-4.381e+04	-5.74e-03		645.0	5990.41	-637.88	-119.78	-1.530e+04	-4.381e+04		
6.500e+05													
163	39	1.059e+06	5.073e+04	0.02	-0.77	0.0	-4475.53	1609.10	148.00	-1.622e+04	-4.569e+04		
5.777e+05													
		-6.331e+04	-4.569e+04	3.39e-03		645.0	-4475.53	3113.24	148.00	-1.505e+04	5.073e+04		
1.059e+06													
163	40	-1.588e+05	2.955e+04	0.02	-0.73	0.0	4054.26	-3729.81	-129.10	-7600.22	2.955e+04		
5.353e+05													
		-7.825e+05	-5.280e+04	-8.98e-03		645.0	4054.26	-854.54	-129.10	-6134.02	-5.280e+04		
7.825e+05													
163	41	1.174e+06	6.302e+04	-0.02	-0.78	0.0	-2630.99	1941.44	165.18	-2.623e+04	-4.101e+04		
6.618e+05													
		6.182e+04	-4.101e+04	9.98e-03		645.0	-2630.99	3407.02	165.18	-2.696e+04	6.302e+04		
1.174e+06													
163	44	-1.605e+05	2.973e+04	0.02	-0.73	0.0	4145.87	-3678.10	-136.96	-4764.89	2.973e+04		
5.571e+05													
		-7.650e+05	-5.610e+04	-0.01		645.0	4145.87	-931.66	-136.96	-3393.70	-5.610e+04		
7.650e+05													
163	69	9.080e+05	4.357e+04	-0.02	-0.77	0.0	-1593.11	1171.87	116.21	-2.113e+04	-3.073e+04		
4.714e+05													
		3.024e+04	-3.073e+04	4.39e-03		645.0	-1593.11	2729.73	116.21	-2.163e+04	4.357e+04		
9.080e+05													
163	70	-4.260e+04	2.292e+04	-0.02	-0.74	0.0	4488.44	-2634.88	-81.36	-1.498e+04	2.292e+04		
3.222e+05													
		-4.049e+05	-3.024e+04	-4.44e-03		645.0	4488.44	-99.96	-81.36	-1.527e+04	-3.024e+04		
4.049e+05													
163	71	8.135e+05	3.717e+04	0.02	-0.76	0.0	-2973.56	898.22	109.57	-1.602e+04	-3.419e+04		
4.270e+05													
		-5.990e+04	-3.419e+04	2.08e-03		645.0	-2973.56	2575.32	109.57	-1.509e+04	3.717e+04		

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8.135e+05													
163	72	-1.271e+05	1.945e+04	0.02	-0.74	0.0	3107.99	-2908.53	-87.99	-9864.56	1.945e+04	-	
3.667e+05													
		-4.994e+05	-3.665e+04	-6.74e-03		645.0	3107.99	-254.37	-87.99	-8726.74	-3.665e+04	-	
4.994e+05													
163	73	8.955e+05	4.593e+04	-0.02	-0.77	0.0	-1658.43	1134.90	121.81	-2.315e+04	-3.086e+04	-	
4.869e+05													
		2.931e+04	-3.086e+04	6.77e-03		645.0	-1658.43	2784.73	121.81	-2.358e+04	4.593e+04	-	
8.955e+05													
163	76	-1.283e+05	1.958e+04	0.01	-0.74	0.0	3173.31	-2871.56	-93.60	-7843.03	1.958e+04	-	
3.822e+05													
		-4.868e+05	-3.900e+04	-9.13e-03		645.0	3173.31	-309.38	-93.60	-6772.94	-3.900e+04	-	
4.868e+05													
163	77	3.727e+05	1.175e+04	-0.02	-0.87	0.0	3735.71	-20.75	20.86	-1.887e+04	-1703.17	-	
1.218e+05													
		1.218e+05	-1703.17	-1.46e-03		645.0	3735.71	632.77	20.86	-1.727e+04	1.175e+04	-	
3.727e+05													
163	78	1.159e+05	2373.42	-0.02	-0.81	0.0	-629.31	-1247.47	12.93	-1.823e+04	-5964.36	-	
192.43													
		-1.592e+05	-5964.36	-1.23e-03		645.0	-629.31	1402.25	12.93	-1.745e+04	2373.42	-	
1.159e+05													
163	81	9.241e+04	6595.46	-0.01	-0.79	0.0	299.59	-1156.46	21.87	-1.786e+04	-7507.48	-	
9.016e+04													
		-8.142e+04	-7507.48	-1.42e-03		645.0	299.59	999.61	21.87	-1.726e+04	6595.46	-	
9.241e+04													
163	83	2.651e+05	5986.30	-9.80e-03	-0.78	0.0	1806.48	-572.00	16.21	-1.607e+04	-4466.95	-	
7.966e+04													
		2.233e+04	-4466.95	-1.24e-03		645.0	1806.48	1041.34	16.21	-1.545e+04	5986.30	-	
2.651e+05													
163	84	1.745e+05	2738.86	-0.01	-0.76	0.0	270.28	-1003.42	13.45	-1.593e+04	-5937.26	-	
3.649e+04													
		-8.792e+04	-5937.26	-1.18e-03		645.0	270.28	1309.86	13.45	-1.558e+04	2738.86	-	
1.745e+05													
163	86	2.043e+05	3461.43	-9.37e-03	-0.75	0.0	757.44	-868.33	14.11	-1.550e+04	-5637.78	-	
5.238e+04													
		-5.138e+04	-5637.78	-1.18e-03		645.0	757.44	1237.68	14.11	-1.518e+04	3461.43	-	
2.043e+05													
Trave f.		M3 mx/mn	M2 mx/mn	D 2 / D 3	Pt		N	V 2	V 3	T			
		-3.635e+06	-3.601e+05	-0.35	-1.25		-1.522e+04	-2.870e+04	-1873.10	-5.187e+05			
		4.816e+06	3.601e+05	0.35	-0.51		1.906e+04	2.870e+04	1873.10	4.882e+05			

VERIFICHE ELEMENTI TRAVE E/O PILASTRO IN C.A.

LEGENDA TABELLA VERIFICHE ELEMENTI TRAVE E/O PILASTRO IN C.A.

In tabella vengono riportati per ogni elemento il numero identificativo ed il codice di verifica con le sigle **Ok** o **NV**.

Nel caso in cui si sia proceduto alla progettazione con il metodo degli stati limite (**S.L.**) vengono riportati: il rapporto x/d , le verifiche per sollecitazioni proporzionali e la verifica per compressione media con l'indicazione delle combinazioni in cui si sono attinti i rispettivi valori.

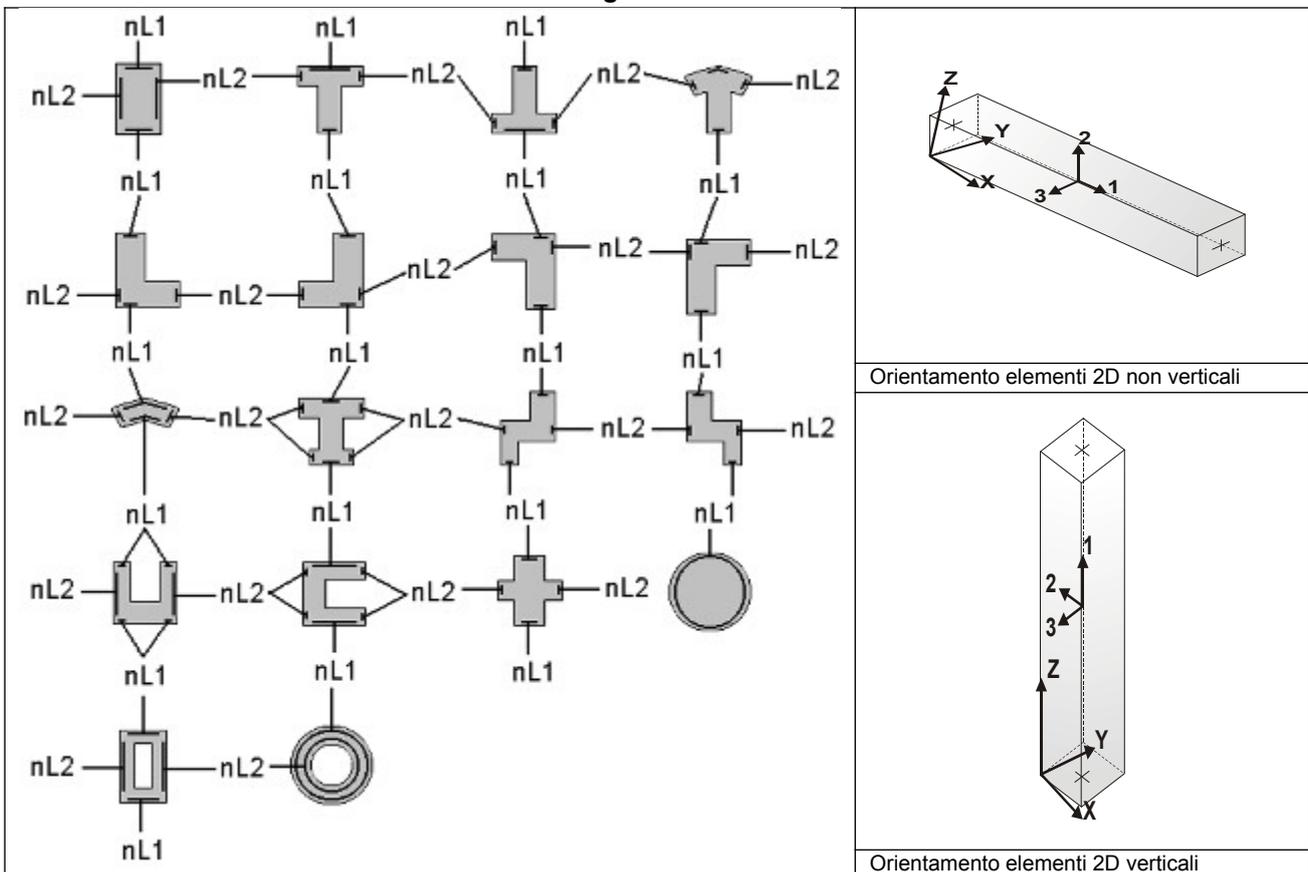
Nel caso in cui si sia proceduto alla progettazione con le tensioni ammissibili (**T.A.**) vengono riportate le massime tensioni nell'elemento (massima compressione nel calcestruzzo, massima compressione media nel calcestruzzo, massima tensione nell'acciaio, massima tensione tangenziale) con l'indicazione delle combinazioni in cui si sono attinti i rispettivi valori.

Nel caso in cui la struttura abbia comportamento dissipativo e sia prevista la progettazione con il criterio della gerarchia delle resistenze (**G.R.**) vengono riportate le verifiche di sovrarresistenza e del nodo.

Per gli elementi tipo pilastro sono riportati numero e diametro dei ferri di vertice, numero e diametro di ferri disposti lungo i lati L1 (paralleli alla base della sezione) e lungo i lati L2 (paralleli all'altezza della sezione).

Per gli elementi tipo trave sono riportati infine le quantità di armatura inferiore e superiore.

Schema della distribuzione delle armature longitudinali



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PROGETTAZIONE DELLE FONDAZIONI

Il D.M.17/01/2018 - par: 7.2.5 prevede:

“Sia per CD“A” sia per CD“B” il dimensionamento delle strutture di fondazione e la verifica di sicurezza del complesso fondazione-terreno devono essere eseguiti assumendo come azione in fondazione, trasmessa dagli elementi soprastanti, una tra le seguenti:

- quella derivante dall'analisi strutturale eseguita ipotizzando comportamento strutturale non dissipativo;
- [...];
- quella trasferita dagli elementi soprastanti nell'ipotesi di comportamento strutturale dissipativo, amplificata di un coefficiente pari a 1,30 in CD“A” e 1,10 in CD“B”;

Nel contesto visualizzazione risultati e nella stampa della relazione sulle fondazioni PRO_SAP mostra le sollecitazioni che derivano dall'analisi non incrementate sia in termini di pressioni sul terreno che in termini di sollecitazioni.

La progettazione degli elementi strutturali con proprietà fondazione è effettuata da PRO_SAP (per travi e platee) o da PRO_CAD Plinti (per plinti e pali di fondazione) incrementando le sollecitazioni delle combinazioni con sisma di un coefficiente pari 1.1 in CDB e 1.3 in CDA per pali, plinti, travi e platee.

Per i bicchieri dei plinti di fondazione prefabbricati l'incremento delle sollecitazioni ha un fattore pari a 1.2 in CDB e 1.35 in CDA.

N.B.: nel caso di comportamento strutturale non dissipativo la progettazione viene effettuata senza nessun incremento.

Le verifiche geotecniche vengono effettuate dal modulo geotecnico incrementando automaticamente le sollecitazioni del fattore 1.1 in CDB e 1.3 in CDA per pali, plinti, travi e platee.

N.B.: nel caso di comportamento strutturale non dissipativo le verifiche geotecniche vengono effettuate senza nessun incremento.

Simbologia adottata nelle tabelle di verifica

Per le verifiche agli S.L. dei pilastri è presente una tabella con i simboli di seguito descritti:

M_P X Y	Numero della pilastrata (P) e posizione in pianta (X,Y)
Pilas.	numero identificativo dell'elemento D2
Note	Codici identificativi delle sezione (s) e materiale (m) pilastro
Stato	Codici relativi all'esito delle verifiche effettuate appresso descritte
Quota	Quota sezione di verifica
%Af	Percentuale di area di armatura rispetto a quella di calcestruzzo
r. snell.	Rapporto di snellezza λ su λ^* : valore superiore a 1 per elementi snelli nel caso in cui viene effettuata la verifica con il metodo diretto dello stato di equilibrio
Armat. long.	Numero e diametro (d) dei ferri di armatura longitudinale distinti in ferri di vertice + ferri di lato nelle posizioni nL1 e nL2, come da schemi in figura precedente
V N/M	Verifica a pressoflessione con rapporto Ed/Rd: valore minore o uguale a 1 per verifica positiva
V N sis	Verifica a compressione solo calcestruzzo con rapporto Nsd/Nrd ed Nrd calcolato come al punto 7.4.4.2.1: valore minore o uguale a 1 per verifica positiva
Staffe	Dati tratto di staffatura oggetto di verifica, nello specifico: numero delle braccia, diametro, passo, lunghezza L tratto
V V/T cls	Verifica a taglio/torsione con rapporto Ved/Vrd: valore minore o uguale a 1 per verifica positiva
Rif. cmb.	Riferimento combinazioni da cui si generano le verifiche più gravose per il pilastro

Per le verifiche alla G.R. dei pilastri è presente una tabella con i simboli di seguito descritti:

Pilas.	numero identificativo dell'elemento D2 pilastro
sovr. Xi (Xf)	Verifica sovreresistenza come da formula 7.4.4 in direzione X, alla base (i) ed alla sommità (f): rapporto tra i momenti resistenti dei pilastri e delle travi. La verifica è positiva se maggiore del γ_{Rd} adottato
sovr. Yi (Yf)	Verifica sovreresistenza come da formula 7.4.4 in direzione Y, alla base (i) ed alla sommità (f): rapporto tra i momenti resistenti dei pilastri e delle travi. La verifica è positiva se maggiore del γ_{Rd} adottato
M 2-2 i (f)	Valore del momento resistente 2-2 alla base (i) ed alla sommità (f) con massimo momento in presenza dello sforzo normale di calcolo
M 3-3 i (f)	Valore del momento resistente 3-3 alla base (i) ed alla sommità (f) con massimo momento in presenza dello sforzo

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	normale di calcolo
Luce per V	Luce di calcolo per la definizione del taglio (generato dai momenti resistenti)
V M2-2 (M3-3)	Valore del taglio generato dai momenti resistenti 2-2 (3-3)

**Per le verifiche dei dettagli costruttivi per la duttilità è presente una tabella con i simboli di seguito descritti:
(Non presente nel caso di comportamento strutturale non dissipativo)**

Pilas	Numero identificativo D2 pilastro
ni	Sforzo assiale adimensionalizzato di progetto relativo alla combinazione sismica SLV
alfaomega	Prodotto tra il coefficiente di efficacia del confinamento e il rapporto meccanico dell'armatura trasversale di confinamento all'interno del nodo
V.7.4.29 2-2 (3-3)	Rapporto tra la domanda di staffe minima nel nodo e il rapporto meccanico dell'armatura trasversale di confinamento inserito all'interno del nodo in direzione 2 (3)
V. 7.4.29 Stato	Codici relativi all'esito della verifica 7.4.29
dmu_fi 2-2 (3-3)	Domanda in duttilità di curvatura in direzione 2 (3)
cmu_fi 2-2 (3-3)	Capacità in duttilità di curvatura in direzione 2 (3)
V. dutt. 2-2 (3-3)	Rapporto tra la domanda in duttilità di curvatura e la capacità in duttilità di curvatura in direzione 2 (3)

Per le verifiche nodi trave-pilastro di elementi nuovi è presente una tabella con i simboli di seguito descritti:

Nodo	Numero identificativo del nodo trave-pilastro
Stato	Esito delle verifiche
Pilastro	Numero identificativo D2 pilastro
Diam st	Diametro staffe nodo
Passo	Passo staffe nodo
n. br. 2 (3)	Numero braccia staffe per il taglio in direzione 2 (3)
Bj2 (3)	Larghezza effettiva del nodo per il taglio in direzione 2 (3)
Hjc2 (3)	Distanza tra le giaciture più esterne delle armature del pilastro per il taglio in direzione 2 (3)
V. 7.4.8	Rapporto tra il taglio V_{jbd} e il taglio resistente come da formula 7.4.8
V. Ash	Rapporto tra il passo staffe calcolato secondo il capitolo 7.4.4.3.1. e il passo staffe effettivamente inserita nel nodo. Nel caso di valore indica passo staffe utilizzato deriva dalle formule presenti nel paragrafo 7.4.4.3.1. Nel caso di valore minore di 1 il passo staffe utilizzato deriva del pilastro superiore o inferiore al nodo
7.4.10	Check passo staffe valutato in funzione della formula 7.4.10: <ul style="list-style-type: none"> • SI il passo staffe è calcolato utilizzando la formula 7.4.10; • NO il passo staffe è calcolato utilizzando le formule 7.4.11 e/o 7.4.12; • NR calcolo passo staffe non richiesto;
Rif. comb.	Riferimento combinazioni da cui si generano le verifiche più gravose per il nodo

Per le verifiche nodi trave-pilastro di elementi esistenti è presente una tabella con i simboli di seguito descritti:

Pilastro I	Numero identificativo D2 del pilastro inferiore.
Pilastro S	Numero identificativo D2 del pilastro superiore.
Nodo	Numero identificativo del nodo trave-pilastro.
SL cod	Stato limite di riferimento e relativo esito delle verifiche.
ver. (+)	Fattore di sicurezza nei riguardi della verifica di resistenza a compressione (verificato se < 1.00).
V +	Azione di Taglio presente al di sopra del nodo nella verifica di resistenza a compressione.
V + af s	Sollecitazione di trazione presente nell' armatura longitudinale superiore della trave nella verifica di resistenza a compressione.
N +	Azione Assiale presente al di sopra del nodo nella verifica di resistenza a compressione.
ver. (-)	Fattore di sicurezza nei riguardi della verifica di resistenza a trazione (verificato se < 1.00).
V -	Azione di Taglio presente al di sopra del nodo nella verifica di resistenza a trazione.
V - af s	Sollecitazione di trazione presente nell' armatura longitudinale superiore della trave nella verifica di resistenza a trazione.
N -	Azione Assiale presente al di sopra del nodo nella verifica di resistenza a trazione.
AreaV2	Area resistente del nodo in direzione 2 ($A_{j2}=b_{j2} \cdot h_{jc2}$).

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AreaV3	Area resistente del nodo in direzione 3 ($A_{V3}=b_{\beta3} \cdot h_{1c3}$).
Rif. comb.	Combinazione (direzione) di riferimento nella verifica di trazione.

Per le verifiche agli S.L. delle travi è presente una tabella con i simboli di seguito descritti:

M_T Z P P	Numero della travata (T), quota media (Z), n° pilastrata iniziale (P) e finale (P) (nodo in assenza di pilastrata)
Trave	numero identificativo dell'elemento D2
Note	Codici identificativi sezione (s) e materiale (m) trave; sono inoltre presenti le sigle relative all'esito delle verifiche effettuate appresso descritte
%Af	Percentuale di area di armatura rispetto a quella di calcestruzzo
Af inf.	Area di armatura longitudinale posta all'intradosso
Af sup	Area di armatura longitudinale posta all'estradosso
Af long.	Area complessiva armatura longitudinale
x/d	rapporto tra posizione dell'asse neutro e altezza utile
V N/M	Verifica a pressoflessione rapporto Ed/Rd: valore minore o uguale a 1 per verifica positiva
Staffe	Dati tratto di staffatura oggetto di verifica, nello specifico: numero delle braccia, diametro, passo, lunghezza L tratto
V V/T cls	Verifica a taglio/torsione con rapporto Ved/Vrd: valore minore o uguale a 1 per verifica positiva
Rif. cmb.	Riferimento combinazioni da cui si generano le verifiche più gravose per la trave

Per le verifiche alla G.R. delle travi è presente una tabella con i simboli di seguito descritti:

Trave	numero identificativo dell'elemento D2 trave
M negativo i (f)	Valore del momento resistente negativo all'estremità iniziale i (finale f) della trave
M positivo i (f)	Valore del momento resistente positivo all'estremità iniziale i (finale f) della trave
Luce per V	Luce di calcolo per la definizione del taglio (generato dai momenti resistenti)
V M-i M+f	Taglio generato dai momenti resistenti negativo i e positivo f
V M+i M-f	Taglio generato dai momenti resistenti positivo i e negativo f
VEd, min	Valore di taglio minimo per verifica condizioni p.to 7.4.4.1.1 armatura diagonale (solo per CD "A")
VEd, max	Valore di taglio massimo per verifica condizioni p.to 7.4.4.1.1 armatura diagonale (solo per CD "A")
Vr1	Valore di taglio come da formula 7.4.1 per armatura diagonale (solo per CD "A")
As	Area singolo ordine armature diagonali come da formula 7.4.2 (solo per CD "A")

Per le verifiche a taglio ciclico di travi e pilastri esistenti è presente una tabella con i simboli di seguito descritti:

Trave/Pilastro	Numero identificativo dell'elemento D2 trave/pilastro
V. SLV	Codice relativo all'esito delle verifiche
Nodo	Numero identificativo del nodo di verifica
Ver. VC	Fattore di sicurezza nei confronti della verifica a taglio ciclico (verificato se < 1.00)
Direz.	Direzione di verifica
N fr	Valore di sforzo normale calcolato con fattore di comportamento fragile
V fr	Valore di taglio calcolato con fattore di comportamento fragile
M fr	Valore di momento calcolato con fattore di comportamento fragile
N dutt	Valore di sforzo normale calcolato con fattore di comportamento duttile
LV	Lunghezza di taglio
Mud,pl	Parte plastica della domanda di duttilità
V cic	Resistenza a taglio in condizioni cicliche (C8.7.2.8)
Cmb	Riferimento combinazioni da cui si generano le verifiche più gravose

Per le verifiche alle T.A. di pilastri e travi è presente una tabella con i simboli di seguito descritti:

M_P X Y	Numero della pilastrata (P) e posizione in pianta (X,Y)
M_T Z P P	Numero della travata, quota media pilastrata iniziale e finale (nodo in assenza di pilastrata)
Pilas. o Trave	numero identificativo dell'elemento D2
Note	Viene riportato il codice relativo alla sezione(s) e relativo al materiale(m); nella terza riga viene riportato il valore delle snellezze in direzione 2-2 e 3-3
Stato	Codici di verifica relativi alle tensioni normali e alle tensioni tangenziali
Quota	Ascissa del punto di verifica
%Af	Percentuale di area di armatura rispetto a quella di calcestruzzo

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Armat. long.	Numero e diametro dei ferri di armatura longitudinale: ferri di vertice + ferri di lato (come da fig. precedente)
Af inf.	Area di armatura longitudinale posta all'intradosso della trave
Af sup.	Area di armatura longitudinale posta all'estradosso della trave
Sc max	Massima tensione di compressione del calcestruzzo
Sc med	Massima tensione media di compressione del calcestruzzo
Sf max	Tensione massima nell'acciaio
staffe	Vengono riportati i dati del tratto di staffatura in cui cade la sezione di verifica; in particolare: numero dei bracci, diametro, passo, lunghezza tratto
Tau max	Tensione massima tangenziale nel cls
Rif. comb	Combinazioni in cui si generano i seguenti valori di tensione: Sc max, Sc med, Sf max, Tau max
AfV	area dell'armatura atta ad assorbire le azioni di taglio
AfT	area dell'armatura atta ad assorbire le azioni di torsione
Scorr. P	Scorrimento dei piegati
Af long.	Area del ferro longitudinale aggiuntivo per assorbire la torsione

Pilas.	Note	Stato	Quota	%Af	M_P= 1 r. snell.	X=0.0 Armat. long.	Y=0.0 V N/M	V N sis	Staffe	V V/T	cls V V/T	acc Rif.
cmb			cm						L=cm			
173	s=4,m=5	ok,ok	0.0	2.90	0.33	4d16 12+10 d16	0.99	0.06	4+2d8/5	L=50	0.41	0.17
38,40,38,38			189.0	2.90	0.33	4d16 12+10 d16	0.19	0.054+2d8/15	L=283	0.41	0.52	
41,40,38,38	[b=1.0;1.0]		378.0	2.90	0.33	4d16 12+10 d16	0.50	0.05	4+2d8/5	L=45	0.41	0.17
38,40,38,38												
					M_P= 2	X=523.0	Y=0.0					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T	cls V V/T	acc Rif.
cmb												
170	s=5,m=5	ok,ok	0.0	3.02	0.49	4d16 6+8 d16	0.92	0.10	2+3d8/5	L=50	0.40	0.13
16,42,28,23			189.0	3.02	0.49	4d16 6+8 d16	0.07	0.092+3d8/15	L=283	0.40	0.40	
39,42,28,23	[b=1.0;1.0]		378.0	3.02	0.49	4d16 6+8 d16	0.64	0.09	2+3d8/5	L=45	0.40	0.13
16,42,28,23												
					M_P= 3	X=1031.0	Y=0.0					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T	cls V V/T	acc Rif.
cmb												
171	s=5,m=5	ok,ok	0.0	3.02	0.49	4d16 6+8 d16	0.94	0.09	2+3d8/5	L=50	0.40	0.13
16,44,28,23			189.0	3.02	0.49	4d16 6+8 d16	0.07	0.092+3d8/15	L=283	0.40	0.40	
13,44,28,23	[b=1.0;1.0]		378.0	3.02	0.49	4d16 6+8 d16	0.66	0.08	2+3d8/5	L=45	0.41	0.13
16,44,28,23												
					M_P= 4	X=1539.0	Y=0.0					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T	cls V V/T	acc Rif.
cmb												
172	s=5,m=5	ok,ok	0.0	3.02	0.49	4d16 6+8 d16	0.94	0.09	2+3d8/5	L=50	0.40	0.13
18,34,22,25			189.0	3.02	0.49	4d16 6+8 d16	0.07	0.092+3d8/15	L=283	0.40	0.40	
19,34,22,25	[b=1.0;1.0]		378.0	3.02	0.49	4d16 6+8 d16	0.66	0.08	2+3d8/5	L=45	0.41	0.13
18,34,22,25												
					M_P= 5	X=2047.0	Y=0.0					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T	cls V V/T	acc Rif.
cmb												
174	s=5,m=5	ok,ok	0.0	3.02	0.49	4d16 6+8 d16	0.92	0.10	2+3d8/5	L=50	0.40	0.13

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				M_P= 17		X=2047.0 Y=1030.0							
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T	cls V	V/T	acc Rif.
cmb													
29	s=1,m=5	ok,ok	0.0	2.01	0.72	4d16 6+8 d16	0.96	0.12	2+4d8/5 L=45	0.39			0.16
13,13,27,26													
			225.0	2.01	0.72	4d16 6+8 d16	0.17	0.122+4d8/15 L=360		0.39			0.48
13,13,27,26													
	[b=1.0;1.0]		450.0	2.01	0.72	4d16 6+8 d16	0.46	0.11	2+4d8/5 L=45	0.39			0.16
13,13,27,26													
30	s=1,m=5	ok,ok	450.0	1.56	0.45	4d16 4+6 d16	0.63	0.06	2+4d8/5 L=50	0.39			0.15
13,18,25,25													
			644.0	1.56	0.45	4d16 4+6 d16	0.22	0.062+4d8/15 L=293		0.39			0.45
13,18,25,25													
	[b=1.0;1.0]		838.0	1.56	0.45	4d16 4+6 d16	0.84	0.05	2+4d8/5 L=45	0.39			0.15
13,18,25,25													
				M_P= 18		X=2570.0 Y=1030.0							
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T	cls V	V/T	acc Rif.
cmb													
35	s=2,m=5	ok,ok	0.0	2.35	0.37	4d16 14+10 d16	0.97	0.09	4+2d8/5 L=45	0.40			0.17
29,14,43,43													
			167.5	2.35	0.37	4d16 14+10 d16	0.41	0.094+2d8/15 L=245		0.40			0.51
35,14,43,43													
	[b=1.0;1.0]		335.0	2.35	0.37	4d16 14+10 d16	0.08	0.08	4+2d8/5 L=45	0.40			0.17
26,14,43,43													
36	s=2,m=5	ok,ok	335.0	2.01	0.11	4d16 10+10 d16	0.30	0.07	4+2d8/5 L=115	0.36			0.15
34,18,27,43													
	[b=1.0;1.0]		450.0	2.01	0.11	4d16 10+10 d16	0.32	0.07	4+2d8/5 L=115	0.36			0.15
17,18,27,43													
195	s=2,m=5	ok,ok	450.0	2.01	0.39	4d16 10+10 d16	0.82	0.07	4+2d8/5 L=45	0.47			0.20
29,34,44,44													
			644.0	2.01	0.39	4d16 10+10 d16	0.13	0.074+2d8/15 L=298		0.47			0.61
33,34,44,44													
	[b=1.0;1.0]		838.0	2.01	0.39	4d16 10+10 d16	0.88	0.06	4+2d8/5 L=45	0.47			0.20
33,34,44,44													
				M_P= 19		X=0.0 Y=1525.0							
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T	cls V	V/T	acc Rif.
cmb													
39	s=3,m=5	ok,ok	0.0	2.35	0.54	4d16 4+6 d16	0.92	0.19	3+2d8/5 L=50	0.47			0.16
44,43,25,41													
			167.5	2.35	0.54	4d16 4+6 d16	0.18	0.183+2d8/15 L=240		0.47			0.47
28,43,25,41													
	[b=1.0;1.0]		335.0	2.35	0.54	4d16 4+6 d16	0.44	0.18	3+2d8/5 L=45	0.47			0.16
38,43,25,41													
40	s=3,m=5	ok,ok	335.0	2.35	0.66	4d16 4+6 d16	0.94	0.13	3+2d8/5 L=50	0.36			0.14
38,43,44,44													
			586.5	2.35	0.66	4d16 4+6 d16	0.16	0.123+2d8/15 L=408		0.36			0.41
28,43,44,44													
	[b=1.0;1.0]		838.0	2.35	0.66	4d16 4+6 d16	0.98	0.12	3+2d8/5 L=45	0.36			0.14
44,43,44,44													
				M_P= 20		X=2570.0 Y=1525.0							
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T	cls V	V/T	acc Rif.
cmb													
43	s=3,m=5	ok,ok	0.0	2.35	0.54	4d16 4+6 d16	0.92	0.19	3+2d8/5 L=50	0.47			0.16
34,33,23,35													
			167.5	2.35	0.54	4d16 4+6 d16	0.18	0.183+2d8/15 L=240		0.47			0.47
22,33,23,35													
	[b=1.0;1.0]		335.0	2.35	0.54	4d16 4+6 d16	0.44	0.18	3+2d8/5 L=45	0.47			0.16
32,33,23,35													
44	s=3,m=5	ok,ok	335.0	2.35	0.66	4d16 4+6 d16	0.94	0.13	3+2d8/5 L=50	0.36			0.14
32,33,34,34													
			586.5	2.35	0.66	4d16 4+6 d16	0.16	0.123+2d8/15 L=408		0.36			0.41
22,33,34,34													
	[b=1.0;1.0]		838.0	2.35	0.66	4d16 4+6 d16	0.98	0.12	3+2d8/5 L=45	0.36			0.14
34,33,34,34													
				M_P= 21		X=0.0 Y=2170.0							
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T	cls V	V/T	acc Rif.

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cmb														
41	s=3,m=5	ok,ok	0.0	2.35	0.50	4d16 4+6 d16	0.92	0.16	3+2d8/5 L=50	0.46	0.14			
41,44,13,39			167.5	2.35	0.50	4d16 4+6 d16	0.17	0.163+2d8/15 L=240	0.46	0.41				
25,44,13,39			[b=1.0;1.0]	335.0	2.35	0.50	4d16 4+6 d16	0.46	0.15	3+2d8/5 L=45	0.46	0.14		
41,44,13,39			42	s=3,m=5	ok,ok	335.0	2.35	0.60	4d16 4+6 d16	0.89	0.10	3+2d8/5 L=50	0.34	0.13
41,44,25,41			586.5	2.35	0.60	4d16 4+6 d16	0.21	0.103+2d8/15 L=408	0.34	0.38				
25,44,25,41			[b=1.0;1.0]	838.0	2.35	0.60	4d16 4+6 d16	0.91	0.09	3+2d8/5 L=45	0.34	0.13		
41,44,25,41														
			M_P= 22 X=2570.0 Y=2170.0											
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T	cls V V/T	acc Rif.		
cmb														
45	s=3,m=5	ok,ok	0.0	2.35	0.50	4d16 4+6 d16	0.92	0.16	3+2d8/5 L=50	0.46	0.14			
35,34,19,29			167.5	2.35	0.50	4d16 4+6 d16	0.17	0.163+2d8/15 L=240	0.46	0.41				
23,34,19,29			[b=1.0;1.0]	335.0	2.35	0.50	4d16 4+6 d16	0.46	0.15	3+2d8/5 L=45	0.46	0.14		
35,34,19,29			46	s=3,m=5	ok,ok	335.0	2.35	0.60	4d16 4+6 d16	0.89	0.10	3+2d8/5 L=50	0.34	0.13
35,34,23,35			586.5	2.35	0.60	4d16 4+6 d16	0.21	0.103+2d8/15 L=408	0.34	0.38				
23,34,23,35			[b=1.0;1.0]	838.0	2.35	0.60	4d16 4+6 d16	0.91	0.09	3+2d8/5 L=45	0.34	0.13		
35,34,23,35														
			M_P= 23 X=0.0 Y=2665.0											
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T	cls V V/T	acc Rif.		
cmb														
31	s=2,m=5	ok,ok	0.0	2.01	0.39	4d16 10+10 d16	0.91	0.10	4+2d8/5 L=50	0.33	0.13			
44,39,36,33			167.5	2.01	0.39	4d16 10+10 d16	0.49	0.104+2d8/15 L=240	0.33	0.38				
44,39,36,33			[b=1.0;1.0]	335.0	2.01	0.39	4d16 10+10 d16	0.39	0.09	4+2d8/5 L=45	0.33	0.13		
44,39,36,33			32	s=2,m=5	ok,ok	335.0	1.68	0.44	4d16 8+8 d16	0.76	0.06	4+2d8/5 L=50	0.32	0.13
44,39,35,35			586.5	1.68	0.44	4d16 8+8 d16	0.18	0.054+2d8/15 L=408	0.32	0.38				
41,39,35,35			[b=1.0;1.0]	838.0	1.68	0.44	4d16 8+8 d16	0.96	0.05	4+2d8/5 L=45	0.32	0.13		
44,39,35,35														
			M_P= 24 X=523.0 Y=2665.0											
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T	cls V V/T	acc Rif.		
cmb														
15	s=1,m=5	ok,ok	0.0	2.46	0.51	4d16 8+10 d16	0.88	0.12	2+4d8/5 L=50	0.45	0.19			
25,23,22,22			167.5	2.46	0.51	4d16 8+10 d16	0.24	0.122+4d8/15 L=240	0.45	0.57				
25,23,22,22			[b=1.0;1.0]	335.0	2.46	0.51	4d16 8+10 d16	0.23	0.11	2+4d8/5 L=45	0.45	0.19		
25,23,22,22			16	s=1,m=5	ok,ok	335.0	2.01	0.61	4d16 6+8 d16	0.70	0.07	2+4d8/5 L=50	0.39	0.16
25,31,22,22			586.5	2.01	0.61	4d16 6+8 d16	0.18	0.072+4d8/15 L=408	0.39	0.48				
41,31,22,22			[b=1.0;1.0]	838.0	2.01	0.61	4d16 6+8 d16	0.88	0.06	2+4d8/5 L=45	0.39	0.16		
25,31,22,22														
			M_P= 25 X=1031.0 Y=2665.0											
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T	cls V V/T	acc Rif.		
cmb														
17	s=1,m=5	ok,ok	0.0	2.46	0.49	4d16 8+10 d16	0.87	0.10	2+4d8/5 L=50	0.47	0.20			
25,35,22,22			167.5	2.46	0.49	4d16 8+10 d16	0.24	0.102+4d8/15 L=240	0.47	0.59				
25,35,22,22			[b=1.0;1.0]	335.0	2.46	0.49	4d16 8+10 d16	0.24	0.09	2+4d8/5 L=45	0.47	0.20		

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21,35,22,22															
18 s=1,m=5	ok,ok		335.0	2.01	0.59	4d16 6+8 d16	0.71	0.06	2+4d8/5 L=50	0.40	0.17				
25,36,22,22			586.5	2.01	0.59	4d16 6+8 d16	0.17	0.052+4d8/15 L=408	0.41	0.50					
25,36,22,22			838.0	2.01	0.59	4d16 6+8 d16	0.88	0.05	2+4d8/5 L=45	0.41	0.17				
[b=1.0;1.0]															
23,36,22,22															
M_P= 26 X=1539.0 Y=2665.0															
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T	cls V	V/T	acc	Rif.	
cmb															
19 s=1,m=5	ok,ok		0.0	2.46	0.49	4d16 8+10 d16	0.87	0.10	2+4d8/5 L=50	0.47	0.20				
23,41,28,28			167.5	2.46	0.49	4d16 8+10 d16	0.24	0.102+4d8/15 L=240	0.47	0.59					
23,41,28,28			335.0	2.46	0.49	4d16 8+10 d16	0.24	0.09	2+4d8/5 L=45	0.47	0.20				
[b=1.0;1.0]															
27,41,28,28			335.0	2.01	0.59	4d16 6+8 d16	0.71	0.06	2+4d8/5 L=50	0.40	0.17				
20 s=1,m=5	ok,ok														
23,42,28,28			586.5	2.01	0.59	4d16 6+8 d16	0.17	0.052+4d8/15 L=408	0.41	0.50					
23,42,28,28			838.0	2.01	0.59	4d16 6+8 d16	0.88	0.05	2+4d8/5 L=45	0.41	0.17				
[b=1.0;1.0]															
23,42,28,28															
M_P= 27 X=2047.0 Y=2665.0															
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T	cls V	V/T	acc	Rif.	
cmb															
21 s=1,m=5	ok,ok		0.0	2.46	0.51	4d16 8+10 d16	0.88	0.12	2+4d8/5 L=50	0.45	0.19				
23,25,28,28			167.5	2.46	0.51	4d16 8+10 d16	0.24	0.122+4d8/15 L=240	0.45	0.57					
23,25,28,28			335.0	2.46	0.51	4d16 8+10 d16	0.23	0.11	2+4d8/5 L=45	0.45	0.19				
[b=1.0;1.0]															
23,25,28,28			335.0	2.01	0.61	4d16 6+8 d16	0.70	0.07	2+4d8/5 L=50	0.39	0.16				
22 s=1,m=5	ok,ok														
23,37,28,28			586.5	2.01	0.61	4d16 6+8 d16	0.18	0.072+4d8/15 L=408	0.39	0.48					
35,37,28,28			838.0	2.01	0.61	4d16 6+8 d16	0.88	0.06	2+4d8/5 L=45	0.39	0.16				
[b=1.0;1.0]															
23,37,28,28															
M_P= 28 X=2570.0 Y=2665.0															
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T	cls V	V/T	acc	Rif.	
cmb															
37 s=2,m=5	ok,ok		0.0	2.01	0.39	4d16 10+10 d16	0.91	0.10	4+2d8/5 L=50	0.33	0.13				
34,29,42,43			167.5	2.01	0.39	4d16 10+10 d16	0.49	0.104+2d8/15 L=240	0.33	0.38					
34,29,42,43			335.0	2.01	0.39	4d16 10+10 d16	0.39	0.09	4+2d8/5 L=45	0.33	0.13				
[b=1.0;1.0]															
34,29,42,43			335.0	1.68	0.44	4d16 8+8 d16	0.76	0.06	4+2d8/5 L=50	0.32	0.13				
38 s=2,m=5	ok,ok														
34,29,41,41			586.5	1.68	0.44	4d16 8+8 d16	0.18	0.054+2d8/15 L=408	0.32	0.38					
35,29,41,41			838.0	1.68	0.44	4d16 8+8 d16	0.96	0.05	4+2d8/5 L=45	0.32	0.13				
[b=1.0;1.0]															
34,29,41,41															
Pilas.				%Af	r. snell.		V N/M	V N sis		V V/T	cls V	V/T	acc		
				3.02	0.72		0.99	0.19		0.47	0.61				
Nodo	Conf.	Stato	Pilas.	Diam	st	Passo	n. br. 2	Bj2	Hjc2	n. br. 3	Bj3	Hjc3	V. 7.4.8	V. Ash	7.4.10
Rif. cmb				mm	cm	cm	cm	cm	cm	cm	cm	cm			
10	NO	ok	194	10	5.0	4	45.0	21.4	2	30.0	71.4	0.4	0.4	NO	
29,29															
11	NO	ok	40	10	5.0	3	40.0	21.4	2	30.0	31.4	0.5	0.4	NO	
29,29															
16	NO	ok	42	10	5.0	3	40.0	21.4	2	30.0	31.4	0.4	0.3	NO	
29,29															
17	NO	ok	32	10	5.0	4	45.0	21.4	2	30.0	71.4	0.3	0.4	NO	

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29,29														
22	NO	ok	24	10	5.0	2	30.0	51.4	4	60.0	21.4	0.3	0.4	NO
13,13														
23	NO	ok	30	10	5.0	2	30.0	51.4	4	60.0	21.4	0.3	0.4	NO
13,13														
28	NO	ok	46	10	5.0	3	40.0	21.4	2	30.0	31.4	0.4	0.3	NO
29,29														
29	NO	ok	16	10	5.0	2	30.0	51.4	4	60.0	21.4	0.3	0.4	NO
13,13														
37	NO	ok	33	10	5.0	4	80.0	21.4	2	30.0	71.4	0.24.23e-02		SI
34,34														
38	NO	ok	39	10	5.0	3	40.0	21.4	2	30.0	31.4	0.9	0.4	NO
35,29														
39	NO	ok	41	10	5.0	3	40.0	21.4	2	30.0	31.4	0.8	0.4	NO
34,29														
40	NO	ok	31	10	5.0	4	45.0	21.4	2	30.0	71.4	0.7	0.3	NO
19,13														
41	NO	ok	23	10	5.0	2	30.0	51.4	4	60.0	21.4	0.5	0.4	NO
28,13														
42	NO	ok	26	10	5.0	2	30.0	51.4	4	60.0	21.4	0.3	0.4	NO
13,13														
43	NO	ok	38	10	5.0	4	45.0	21.4	2	30.0	71.4	0.3	0.4	NO
29,29														
44	NO	ok	15	10	5.0	2	30.0	51.4	4	60.0	21.4	0.6	0.4	NO
19,13														
45	NO	ok	25	10	5.0	2	30.0	51.4	4	60.0	21.4	0.6	0.4	NO
25,13														
46	NO	ok	22	10	5.0	2	30.0	51.4	4	60.0	21.4	0.3	0.4	NO
13,13														
47	NO	ok	18	10	5.0	2	30.0	51.4	4	60.0	21.4	0.3	0.4	NO
13,13														
48	NO	ok	17	10	5.0	2	30.0	51.4	4	60.0	21.4	0.6	0.4	NO
19,13														
49	NO	ok	27	10	5.0	2	30.0	51.4	4	60.0	21.4	0.6	0.4	NO
23,13														
50	NO	ok	28	10	5.0	2	30.0	51.4	4	60.0	21.4	0.3	0.4	NO
13,13														
51	NO	ok	195	10	5.0	4	45.0	21.4	2	30.0	71.4	0.4	0.4	NO
29,29														
52	NO	ok	19	10	5.0	2	30.0	51.4	4	60.0	21.4	0.6	0.4	NO
13,13														
53	NO	ok	29	10	5.0	2	30.0	51.4	4	60.0	21.4	0.5	0.4	NO
22,13														
54	NO	ok	44	10	5.0	3	40.0	21.4	2	30.0	31.4	0.5	0.4	NO
29,29														
55	NO	ok	20	10	5.0	2	30.0	51.4	4	60.0	21.4	0.3	0.4	NO
13,13														
56	NO	ok	21	10	5.0	2	30.0	51.4	4	60.0	21.4	0.6	0.4	NO
13,13														
57	NO	ok	35	10	5.0	4	80.0	21.4	2	30.0	71.4	0.24.23e-02		SI
44,44														
58	NO	ok	43	10	5.0	3	40.0	21.4	2	30.0	31.4	0.9	0.4	NO
41,29														
59	NO	ok	45	10	5.0	3	40.0	21.4	2	30.0	31.4	0.8	0.4	NO
44,29														
60	NO	ok	37	10	5.0	4	45.0	21.4	2	30.0	71.4	0.7	0.3	NO
13,13														
110	NO	ok	173	10	5.0	4	45.0	21.4	2	30.0	51.4	0.3	0.4	SI
13,29														
111	NO	ok	170	10	5.0	2	30.0	31.4	3	40.0	21.4	0.5	0.4	NO
13,13														
112	NO	ok	171	10	5.0	2	30.0	31.4	3	40.0	21.4	0.5	0.4	NO
13,13														
113	NO	ok	172	10	5.0	2	30.0	31.4	3	40.0	21.4	0.5	0.4	NO
13,13														
114	NO	ok	174	10	5.0	2	30.0	31.4	3	40.0	21.4	0.5	0.4	NO

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13,13														
115	NO	ok	181	10	5.0	4	45.0	21.4	2	30.0	51.4	0.3	0.4	SI
13,29														
116	NO	ok	175	10	5.0	3	50.0	21.4	2	30.0	31.4	0.8	0.4	SI
29,13														
117	NO	ok	176	10	5.0	3	50.0	21.4	2	30.0	31.4	0.8	0.4	NO
29,13														
118	NO	ok	177	10	5.0	3	50.0	21.4	2	30.0	31.4	0.8	0.4	NO
29,13														
119	NO	ok	178	10	5.0	3	50.0	21.4	2	30.0	31.4	0.8	0.4	NO
29,13														
120	NO	ok	179	10	5.0	3	50.0	21.4	2	30.0	31.4	0.8	0.4	NO
29,13														
121	NO	ok	180	10	5.0	3	50.0	21.4	2	30.0	31.4	0.8	0.4	SI
29,13														
122	NO	ok	34	10	5.0	4	45.0	21.4	2	30.0	71.4	0.7	0.4	SI
22,29														
123	NO	ok	36	10	5.0	4	45.0	21.4	2	30.0	71.4	0.7	0.4	SI
28,37														

Nodo **Passo** **V. 7.4.8** **V. Ash**
5.00 0.87 0.42

Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	M_T= 1 x/d	Z=0.0 V N/M	P=1 V V/T cls	P=23 V V/T acc	Staffe	Rif. cmb
141	ok,ok	0.0	0.20	16.1	16.1	12.1	0.06	0.51	0.09	0.09	2d8/12 L=620	41,40,20
	s=15,m=1	680.0	0.20	16.1	16.1	12.1	0.06	0.53	0.17	0.25	2d8/12 L=620	41,41,41
153	ok,ok	0.0	0.20	16.1	16.1	12.1	0.06	0.24	0.12	0.13	2d8/12 L=310	3,9,44
	s=15,m=1	350.0	0.20	16.1	16.1	12.1	0.06	0.43	0.16	0.13	2d8/12 L=310	41,37,41
130	ok,ok	0.0	0.20	16.1	16.1	12.1	0.06	0.47	0.14	0.15	2d8/12 L=415	37,20,20
	s=15,m=1	495.0	0.20	16.1	16.1	12.1	0.06	0.40	0.10	0.10	2d8/12 L=415	41,13,1
142	ok,ok	0.0	0.20	16.1	16.1	12.1	0.06	0.64	0.18	0.27	2d8/12 L=605	41,40,40
	s=15,m=1	645.0	0.20	16.1	16.1	12.1	0.06	0.68	0.18	0.24	2d8/12 L=605	41,41,41
1	ok,ok	0.0	0.20	16.1	16.1	12.1	0.06	0.35	0.15	0.12	2d8/12 L=415	37,5,9
	s=15,m=1	495.0	0.20	16.1	16.1	12.1	0.06	0.44	0.19	0.18	2d8/12 L=415	44,25,21
							M_T= 2	Z=0.0	P=23	P=28		
131	ok,ok	0.0	0.20	16.1	16.1	12.1	0.06	0.26	0.29	0.23	2d8/12 L=478	25,44,44
	s=15,m=1	523.0	0.20	16.1	16.1	12.1	0.06	0.37	0.23	0.25	2d8/12 L=478	25,38,1
143	ok,ok	0.0	0.20	16.1	16.1	12.1	0.06	0.51	0.16	0.22	2d8/12 L=448	26,28,28
	s=15,m=1	508.0	0.20	16.1	16.1	12.1	0.06	0.38	0.17	0.22	2d8/12 L=448	22,25,21
2	ok,ok	0.0	0.20	16.1	16.1	12.1	0.06	0.44	0.16	0.23	2d8/12 L=448	26,28,28
	s=15,m=1	508.0	0.20	16.1	16.1	12.1	0.06	0.44	0.16	0.23	2d8/12 L=448	22,21,21
7	ok,ok	0.0	0.20	16.1	16.1	12.1	0.06	0.32	0.17	0.22	2d8/12 L=448	26,28,28
	s=15,m=1	508.0	0.20	16.1	16.1	12.1	0.06	0.45	0.16	0.22	2d8/12 L=448	22,21,21
11	ok,ok	0.0	0.20	16.1	16.1	12.1	0.06	0.30	0.23	0.25	2d8/12 L=415	29,20,16
	s=15,m=1	523.0	0.20	16.1	16.1	12.1	0.06	0.21	0.28	0.23	2d8/12 L=478	21,36,1
							M_T= 3	Z=0.0	P=6	P=28		
136	ok,ok	0.0	0.20	16.1	16.1	12.1	0.06	0.51	0.08	0.09	2d8/12 L=620	36,19,16
	s=15,m=1	680.0	0.20	16.1	16.1	12.1	0.06	0.51	0.20	0.25	2d8/12 L=620	33,33,33
148	ok,ok	0.0	0.20	16.1	16.1	12.1	0.06	0.24	0.15	0.13	2d8/12 L=310	3,32,36
	s=15,m=1	350.0	0.20	16.1	16.1	12.1	0.06	0.42	0.12	0.12	2d8/12 L=310	33,16,33
132	ok,ok	0.0	0.20	16.1	16.1	12.1	0.06	0.46	0.14	0.15	2d8/12 L=415	29,20,16
	s=15,m=1	495.0	0.20	16.1	16.1	12.1	0.06	0.37	0.11	0.10	2d8/12 L=415	33,37,1
144	ok,ok	0.0	0.20	16.1	16.1	12.1	0.06	0.59	0.20	0.27	2d8/12 L=605	33,36,32
	s=15,m=1	645.0	0.20	16.1	16.1	12.1	0.06	0.64	0.16	0.24	2d8/12 L=605	33,33,33
3	ok,ok	0.0	0.20	16.1	16.1	12.1	0.06	0.36	0.16	0.12	2d8/12 L=415	32,36,9
	s=15,m=1	495.0	0.20	16.1	16.1	12.1	0.06	0.44	0.13	0.18	2d8/12 L=415	36,14,25
							M_T= 4	Z=0.0	P=13	P=18		
133	ok,ok	0.0	0.20	16.1	16.1	12.1	0.06	0.25	0.19	0.16	2d8/12 L=478	13,44,1
	s=15,m=1	523.0	0.20	16.1	16.1	12.1	0.06	0.56	0.27	0.35	2d8/12 L=478	1,3,1

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145	ok,ok	0.0	0.20	16.1	16.1	12.1	0.06	0.69	0.20	0.30	2d8/12 L=448	17,1,1
	s=15,m=1	508.0	0.20	16.1	16.1	12.1	0.06	0.53	0.17	0.26	2d8/12 L=448	13,1,1
4	ok,ok	0.0	0.20	16.1	16.1	12.1	0.06	0.55	0.18	0.28	2d8/12 L=448	17,1,1
	s=15,m=1	508.0	0.20	16.1	16.1	12.1	0.06	0.54	0.18	0.28	2d8/12 L=448	13,1,1
8	ok,ok	0.0	0.20	16.1	16.1	12.1	0.06	0.43	0.17	0.26	2d8/12 L=448	17,1,1
	s=15,m=1	508.0	0.20	16.1	16.1	12.1	0.06	0.59	0.20	0.30	2d8/12 L=448	13,1,1
12	ok,ok	0.0	0.20	16.1	16.1	12.1	0.06	0.56	0.27	0.35	2d8/12 L=478	1,3,1
	s=15,m=1	523.0	0.20	16.1	16.1	12.1	0.06	0.21	0.19	0.16	2d8/12 L=478	20,33,1
M_T= 5 Z=0.0 P=7 P=12												
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
134	ok,ok	0.0	0.25	6.0	6.0	4.0	0.08	0.49	0.10	0.09	2d8/15 L=74	19,19,19
	s=10,m=1	261.5	0.25	6.0	6.0	4.0	0.08	0.17	0.06	0.07	2d8/20 L=344	13,19,19
		523.0	0.25	6.0	6.0	4.0	0.08	0.29	0.05	0.05	2d8/15 L=74	39,18,18
146	ok,ok	0.0	0.25	6.0	6.0	4.0	0.08	0.34	0.06	0.06	2d8/15 L=74	13,20,16
	s=10,m=1	254.0	0.25	6.0	6.0	4.0	0.08	0.19	0.04	0.05	2d8/20 L=329	37,18,13
		508.0	0.25	6.0	6.0	4.0	0.08	0.38	0.07	0.07	2d8/15 L=74	13,18,13
5	ok,ok	0.0	0.25	6.0	6.0	4.0	0.08	0.33	0.06	0.07	2d8/15 L=74	16,16,19
	s=10,m=1	254.0	0.25	6.0	6.0	4.0	0.08	0.11	0.03	0.05	2d8/20 L=329	35,16,18
		508.0	0.25	6.0	6.0	4.0	0.08	0.33	0.06	0.07	2d8/15 L=74	18,13,18
9	ok,ok	0.0	0.25	6.0	6.0	4.0	0.08	0.38	0.07	0.07	2d8/15 L=74	19,16,19
	s=10,m=1	254.0	0.25	6.0	6.0	4.0	0.08	0.19	0.04	0.05	2d8/20 L=329	31,16,19
		508.0	0.25	6.0	6.0	4.0	0.08	0.34	0.06	0.06	2d8/15 L=74	19,14,18
13	ok,ok	0.0	0.25	6.0	6.0	4.0	0.08	0.29	0.05	0.05	2d8/15 L=74	29,16,16
	s=10,m=1	261.5	0.25	6.0	6.0	4.0	0.08	0.17	0.06	0.07	2d8/20 L=344	19,13,13
		523.0	0.25	6.0	6.0	4.0	0.08	0.49	0.10	0.09	2d8/15 L=74	13,13,13
M_T= 6 Z=0.0 P=1 P=6												
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
135	ok,ok	0.0	0.22	14.1	14.1	12.1	0.06	0.25	0.14	0.17	2d8/15 L=488	17,11,44
	s=16,m=1	523.0	0.22	14.1	14.1	12.1	0.06	0.35	0.20	0.20	2d8/15 L=488	37,1,1
147	ok,ok	0.0	0.22	14.1	14.1	12.1	0.06	0.47	0.13	0.18	2d8/15 L=468	13,20,20
	s=16,m=1	508.0	0.22	14.1	14.1	12.1	0.06	0.34	0.12	0.17	2d8/15 L=468	17,17,13
6	ok,ok	0.0	0.22	14.1	14.1	12.1	0.06	0.36	0.12	0.18	2d8/15 L=468	13,20,20
	s=16,m=1	508.0	0.22	14.1	14.1	12.1	0.06	0.35	0.12	0.18	2d8/15 L=468	17,13,13
10	ok,ok	0.0	0.22	14.1	14.1	12.1	0.06	0.30	0.12	0.17	2d8/15 L=468	29,16,20
	s=16,m=1	508.0	0.22	14.1	14.1	12.1	0.06	0.40	0.13	0.18	2d8/15 L=468	17,13,13
14	ok,ok	0.0	0.22	14.1	14.1	12.1	0.06	0.33	0.20	0.20	2d8/15 L=488	35,1,1
	s=16,m=1	523.0	0.22	14.1	14.1	12.1	0.06	0.22	0.14	0.17	2d8/15 L=488	29,11,33
M_T= 25 Z=0.0 P=21 P=22												
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
124	ok,ok	0.0	0.25	6.0	6.0	4.0	0.08	0.28	0.08	0.07	2d8/15 L=74	15,1,15
	s=10,m=1	261.5	0.25	6.0	6.0	4.0	0.08	0.25	0.04	0.04	2d8/20 L=359	14,15,15
		523.0	0.25	6.0	6.0	4.0	0.08	0.27	0.06	0.06	2d8/15 L=74	14,14,14
154	ok,ok	0.0	0.25	6.0	6.0	4.0	0.08	0.18	0.05	0.05	2d8/15 L=74	25,23,23
	s=10,m=1	254.0	0.25	6.0	6.0	4.0	0.08	0.12	0.03	0.04	2d8/20 L=359	25,22,22
		508.0	0.25	6.0	6.0	4.0	0.08	0.29	0.06	0.06	2d8/15 L=74	25,22,1
164	ok,ok	0.0	0.25	6.0	6.0	4.0	0.08	0.21	0.05	0.05	2d8/15 L=74	23,23,28
	s=10,m=1	254.0	0.25	6.0	6.0	4.0	0.08	0.04	0.02	0.02	2d8/20 L=359	1,25,25
		508.0	0.25	6.0	6.0	4.0	0.08	0.21	0.05	0.05	2d8/15 L=74	25,25,25
166	ok,ok	0.0	0.25	6.0	6.0	4.0	0.08	0.29	0.06	0.06	2d8/15 L=74	23,28,1
	s=10,m=1	254.0	0.25	6.0	6.0	4.0	0.08	0.12	0.03	0.04	2d8/20 L=359	23,28,28
		508.0	0.25	6.0	6.0	4.0	0.08	0.18	0.05	0.05	2d8/15 L=74	23,25,25
168	ok,ok	0.0	0.25	6.0	6.0	4.0	0.08	0.27	0.06	0.06	2d8/15 L=74	20,20,20
	s=10,m=1	261.5	0.25	6.0	6.0	4.0	0.08	0.25	0.04	0.04	2d8/20 L=359	20,17,17
		523.0	0.25	6.0	6.0	4.0	0.08	0.28	0.08	0.07	2d8/15 L=74	17,1,17
M_T= 26 Z=0.0 P=19 P=20												
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
125	ok,ok	0.0	0.25	6.0	6.0	4.0	0.08	0.31	0.06	0.07	2d8/15 L=74	17,20,20
	s=10,m=1	261.5	0.25	6.0	6.0	4.0	0.08	0.25	0.03	0.04	2d8/20 L=359	14,17,20
		523.0	0.25	6.0	6.0	4.0	0.08	0.29	0.06	0.06	2d8/15 L=74	25,17,17
155	ok,ok	0.0	0.25	6.0	6.0	4.0	0.08	0.17	0.05	0.05	2d8/15 L=74	18,15,15
	s=10,m=1	254.0	0.25	6.0	6.0	4.0	0.08	0.12	0.03	0.03	2d8/20 L=359	18,14,14
		508.0	0.25	6.0	6.0	4.0	0.08	0.25	0.06	0.06	2d8/15 L=74	18,1,1
165	ok,ok	0.0	0.25	6.0	6.0	4.0	0.08	0.18	0.05	0.05	2d8/15 L=74	20,20,20
	s=10,m=1	254.0	0.25	6.0	6.0	4.0	0.08	0.05	0.01	0.02	2d8/20 L=359	1,14,17
		508.0	0.25	6.0	6.0	4.0	0.08	0.18	0.05	0.05	2d8/15 L=74	14,14,17
167	ok,ok	0.0	0.25	6.0	6.0	4.0	0.08	0.25	0.06	0.06	2d8/15 L=74	16,1,1

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NUOVA SCUOLA PRIMARIA IN VIA LIGURIA – CORPO B PALESTRA
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s=10,m=1	254.0	0.25	6.0	6.0	4.0	0.08	0.12	0.03	0.03	2d8/20 L=359 16,20,20
	508.0	0.25	6.0	6.0	4.0	0.08	0.17	0.05	0.05	2d8/15 L=74 16,17,17
169 ok,ok	0.0	0.25	6.0	6.0	4.0	0.08	0.29	0.06	0.06	2d8/15 L=74 23,15,15
s=10,m=1	261.5	0.25	6.0	6.0	4.0	0.08	0.25	0.03	0.04	2d8/20 L=359 20,15,14
	523.0	0.25	6.0	6.0	4.0	0.08	0.31	0.06	0.07	2d8/15 L=74 15,14,14
M_T= 27 Z=0.0 P=5 P=27										
Trave Note Pos. %Af Af inf. Af. sup Af long. x/d V N/M V V/T cls V V/T acc	Staffe Rif. cmb									
137 ok,ok	0.0	0.22	14.1	14.1	12.1	0.05	0.32	0.10	0.13	2d8/15 L=645 36,1,1
s=16,m=1	680.0	0.22	14.1	14.1	12.1	0.06	0.71	0.12	0.16	2d8/15 L=645 3,3,3
149 ok,ok	0.0	0.22	14.1	14.1	12.1	0.06	0.73	0.19	0.25	2d8/15 L=315 3,3,3
s=16,m=1	350.0	0.22	14.1	14.1	12.1	0.05	0.33	0.15	0.21	2d8/15 L=315 1,1,1
126 ok,ok	0.0	0.22	14.1	14.1	12.1	0.06	0.18	0.07	0.05	2d8/15 L=480 32,32,32
s=16,m=1	495.0	0.22	14.1	14.1	12.1	0.06	0.11	0.05	0.06	2d8/15 L=480 29,29,29
160 ok,ok	0.0	0.22	14.1	14.1	12.1	0.06	0.14	0.05	0.06	2d8/15 L=645 36,36,32
s=16,m=1	645.0	0.22	14.1	14.1	12.1	0.06	0.18	0.04	0.05	2d8/15 L=645 32,35,33
156 ok,ok	0.0	0.22	14.1	14.1	12.1	0.06	0.13	0.06	0.04	2d8/15 L=480 1,32,36
s=16,m=1	495.0	0.22	14.1	14.1	12.1	0.06	0.22	0.06	0.06	2d8/15 L=480 36,28,2
M_T= 28 Z=0.0 P=4 P=26										
Trave Note Pos. %Af Af inf. Af. sup Af long. x/d V N/M V V/T cls V V/T acc	Staffe Rif. cmb									
138 ok,ok	0.0	0.22	14.1	14.1	12.1	0.05	0.29	0.06	0.08	2d8/15 L=645 36,1,1
s=16,m=1	680.0	0.22	14.1	14.1	12.1	0.06	0.76	0.14	0.20	2d8/15 L=645 3,3,3
150 ok,ok	0.0	0.22	14.1	14.1	12.1	0.06	0.77	0.17	0.25	2d8/15 L=315 3,3,3
s=16,m=1	350.0	0.22	14.1	14.1	12.1	0.05	0.20	0.10	0.15	2d8/15 L=315 1,1,1
127 ok,ok	0.0	0.22	14.1	14.1	12.1	0.06	0.22	0.07	0.10	2d8/15 L=480 29,3,3
s=16,m=1	495.0	0.22	14.1	14.1	12.1	0.06	0.07	0.04	0.05	2d8/15 L=480 29,31,29
161 ok,ok	0.0	0.22	14.1	14.1	12.1	0.06	0.06	0.04	0.05	2d8/15 L=645 36,44,32
s=16,m=1	645.0	0.22	14.1	14.1	12.1	0.06	0.08	0.04	0.05	2d8/15 L=645 32,41,33
157 ok,ok	0.0	0.22	14.1	14.1	12.1	0.06	0.08	0.04	0.04	2d8/15 L=480 1,36,36
s=16,m=1	495.0	0.22	14.1	14.1	12.1	0.06	0.14	0.04	0.04	2d8/15 L=480 36,25,3
M_T= 29 Z=0.0 P=3 P=25										
Trave Note Pos. %Af Af inf. Af. sup Af long. x/d V N/M V V/T cls V V/T acc	Staffe Rif. cmb									
139 ok,ok	0.0	0.22	14.1	14.1	12.1	0.05	0.29	0.06	0.08	2d8/15 L=645 44,1,1
s=16,m=1	680.0	0.22	14.1	14.1	12.1	0.06	0.76	0.14	0.20	2d8/15 L=645 3,3,3
151 ok,ok	0.0	0.22	14.1	14.1	12.1	0.06	0.77	0.17	0.25	2d8/15 L=315 3,3,3
s=16,m=1	350.0	0.22	14.1	14.1	12.1	0.05	0.20	0.10	0.15	2d8/15 L=315 1,1,1
128 ok,ok	0.0	0.22	14.1	14.1	12.1	0.06	0.22	0.07	0.10	2d8/15 L=480 37,3,3
s=16,m=1	495.0	0.22	14.1	14.1	12.1	0.06	0.06	0.04	0.05	2d8/15 L=480 37,29,37
162 ok,ok	0.0	0.22	14.1	14.1	12.1	0.06	0.06	0.04	0.05	2d8/15 L=645 44,36,40
s=16,m=1	645.0	0.22	14.1	14.1	12.1	0.06	0.08	0.04	0.05	2d8/15 L=645 1,33,41
158 ok,ok	0.0	0.22	14.1	14.1	12.1	0.06	0.08	0.04	0.04	2d8/15 L=480 1,44,44
s=16,m=1	495.0	0.22	14.1	14.1	12.1	0.06	0.14	0.03	0.04	2d8/15 L=480 44,25,3
M_T= 30 Z=0.0 P=2 P=24										
Trave Note Pos. %Af Af inf. Af. sup Af long. x/d V N/M V V/T cls V V/T acc	Staffe Rif. cmb									
140 ok,ok	0.0	0.22	14.1	14.1	12.1	0.05	0.31	0.10	0.13	2d8/15 L=645 44,1,1
s=16,m=1	680.0	0.22	14.1	14.1	12.1	0.06	0.71	0.12	0.16	2d8/15 L=645 3,3,3
152 ok,ok	0.0	0.22	14.1	14.1	12.1	0.06	0.73	0.19	0.25	2d8/15 L=315 3,3,3
s=16,m=1	350.0	0.22	14.1	14.1	12.1	0.05	0.33	0.15	0.21	2d8/15 L=315 1,1,1
129 ok,ok	0.0	0.22	14.1	14.1	12.1	0.06	0.17	0.06	0.05	2d8/15 L=480 40,37,40
s=16,m=1	495.0	0.22	14.1	14.1	12.1	0.06	0.11	0.07	0.06	2d8/15 L=480 37,37,37
163 ok,ok	0.0	0.22	14.1	14.1	12.1	0.06	0.12	0.04	0.06	2d8/15 L=645 44,42,40
s=16,m=1	645.0	0.22	14.1	14.1	12.1	0.06	0.18	0.05	0.05	2d8/15 L=645 37,41,41
159 ok,ok	0.0	0.22	14.1	14.1	12.1	0.06	0.14	0.06	0.04	2d8/15 L=480 18,44,44
s=16,m=1	495.0	0.22	14.1	14.1	12.1	0.06	0.22	0.05	0.06	2d8/15 L=480 44,24,2
M_T= 9 Z=335.0 P=13 P=23										
Trave Note Pos. %Af Af inf. Af. sup Af long. x/d V N/M V V/T cls V V/T acc	Staffe Rif. cmb									
57 ok,ok	0.0	0.67	10.1	10.1	0.0	0.11	0.90	0.30	0.27	2d8/15 L=50 41,28,44
s=12,m=5	247.5	0.67	8.0	10.1	0.0	0.10	0.34	0.26	0.31	2d8/20 L=315 39,28,41
	495.0	0.67	8.0	10.1	0.0	0.12	0.86	0.29	0.29	2d8/15 L=50 41,41,41
58 ok,ok	0.0	0.67	8.0	10.1	0.0	0.12	0.59	0.23	0.19	2d8/15 L=30 41,24,44
s=12,m=5	322.5	0.54	8.0	4.0	0.0	0.12	0.20	0.19	0.14	2d8/20 L=272 39,19,41
88 ok,ok	0.0	0.54	8.0	4.0	0.0	0.12	0.22	0.23	0.14	2d8/20 L=272 39,19,41
s=12,m=5	322.5	0.54	8.0	8.0	0.0	0.11	0.91	0.29	0.20	2d8/15 L=30 41,19,41
59 ok,ok	0.0	0.54	8.0	8.0	0.0	0.11	0.82	0.74	0.28	2d8/15 L=50 44,20,44
s=12,m=5	247.5	0.67	8.0	10.1	0.0	0.10	0.20	0.70	0.29	2d8/20 L=315 41,20,44
	495.0	0.67	8.0	10.1	0.0	0.12	0.96	0.66	0.27	2d8/15 L=50 41,20,41
M_T= 10 Z=335.0 P=23 P=28										

COMUNE DI EMPOLI
NUOVA SCUOLA PRIMARIA IN VIA LIGURIA – CORPO B PALESTRA
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Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe Rif. cmb
60	ok,ok	0.0	0.80	8.0	12.1	0.0	0.13	0.94	0.44	0.33	2d8/15 L=50 25,32,28
	s=12,m=5	261.5	0.80	8.0	12.1	0.0	0.10	0.30	0.37	0.31	2d8/20 L=378 7,29,25
		523.0	0.80	8.0	12.1	0.0	0.13	0.88	0.46	0.35	2d8/15 L=50 28,29,25
61	ok,ok	0.0	0.80	8.0	12.1	0.0	0.13	0.96	0.43	0.36	2d8/15 L=50 25,23,28
	s=12,m=5	254.0	0.80	6.0	12.1	0.0	0.09	0.34	0.36	0.32	2d8/20 L=348 7,22,25
		508.0	0.80	10.1	12.1	0.0	0.13	0.87	0.44	0.36	2d8/15 L=50 25,22,25
62	ok,ok	0.0	0.80	10.1	12.1	0.0	0.13	0.89	0.43	0.36	2d8/15 L=50 23,23,28
	s=12,m=5	254.0	0.80	10.1	12.1	0.0	0.11	0.21	0.35	0.33	2d8/20 L=348 9,25,25
		508.0	0.80	10.1	12.1	0.0	0.13	0.89	0.43	0.36	2d8/15 L=50 25,25,25
63	ok,ok	0.0	0.80	10.1	12.1	0.0	0.13	0.87	0.44	0.36	2d8/15 L=50 23,28,23
	s=12,m=5	254.0	0.80	6.0	12.1	0.0	0.09	0.34	0.36	0.32	2d8/20 L=348 5,28,23
		508.0	0.80	8.0	12.1	0.0	0.13	0.96	0.43	0.36	2d8/15 L=50 23,25,22
64	ok,ok	0.0	0.80	8.0	12.1	0.0	0.13	0.88	0.46	0.35	2d8/15 L=50 22,39,23
	s=12,m=5	261.5	0.80	8.0	12.1	0.0	0.10	0.30	0.37	0.31	2d8/20 L=378 5,39,23
		523.0	0.80	8.0	12.1	0.0	0.13	0.94	0.44	0.33	2d8/15 L=50 23,38,22
M_T= 11 Z=335.0 P=18 P=28											
67	ok,ok	0.0	0.67	10.1	10.1	0.0	0.11	0.90	0.30	0.27	2d8/15 L=50 35,22,34
	s=12,m=5	247.5	0.67	8.0	10.1	0.0	0.10	0.34	0.26	0.31	2d8/20 L=315 29,22,35
		495.0	0.67	8.0	10.1	0.0	0.12	0.86	0.29	0.29	2d8/15 L=50 35,35,35
66	ok,ok	0.0	0.67	8.0	10.1	0.0	0.12	0.59	0.23	0.19	2d8/15 L=30 35,26,34
	s=12,m=5	322.5	0.54	8.0	4.0	0.0	0.12	0.20	0.19	0.14	2d8/20 L=272 29,13,35
89	ok,ok	0.0	0.54	8.0	4.0	0.0	0.12	0.22	0.23	0.14	2d8/20 L=272 29,13,35
	s=12,m=5	322.5	0.54	8.0	8.0	0.0	0.11	0.91	0.29	0.20	2d8/15 L=30 35,13,35
65	ok,ok	0.0	0.54	8.0	8.0	0.0	0.11	0.82	0.74	0.28	2d8/15 L=50 34,14,34
	s=12,m=5	247.5	0.67	8.0	10.1	0.0	0.10	0.20	0.70	0.29	2d8/20 L=315 35,14,34
		495.0	0.67	8.0	10.1	0.0	0.12	0.96	0.66	0.27	2d8/15 L=50 35,14,35
M_T= 20 Z=404.4 P=2 P=14											
221	ok,ok	0.0	0.56	4.0	4.0	0.0	0.19	0.06	0.05	6.09e-03	2d8/15 L=60 3,28,43
	s=18,m=5	75.0	0.56	4.0	4.0	0.0	0.19	0.12	0.12	0.16	2d8/15 L=60 3,28,3
186	ok,ok	0.0	0.54	8.0	8.0	0.0	0.11	0.85	0.42	0.40	2d8/15 L=35 3,18,3
	s=12,m=5	340.8	0.54	8.0	4.0	0.0	0.12	0.88	0.26	0.12	2d8/20 L=291 3,19,41
109	ok,ok	0.0	0.54	8.0	4.0	0.0	0.12	0.89	0.26	0.13	2d8/20 L=291 3,19,41
	s=12,m=5	340.8	0.67	8.0	10.1	0.0	0.12	0.74	0.43	0.46	2d8/15 L=30 3,19,3
192	ok,ok	0.0	0.84	8.0	10.1	0.0	0.23	0.83	0.57	0.55	2d8/12 L=316 44,20,3
	s=14,m=5	350.9	0.84	8.0	10.1	0.0	0.23	0.80	0.58	0.52	2d8/12 L=316 44,15,3
M_T= 23 Z=404.4 P=1 P=13											
222	ok,ok	0.0	0.56	4.0	4.0	0.0	0.19	0.03	0.09	6.87e-03	2d8/15 L=55 3,28,40
	s=18,m=5	75.0	0.56	4.0	4.0	0.0	0.19	0.05	0.12	0.08	2d8/15 L=55 3,28,3
187	ok,ok	0.0	0.54	8.0	6.0	0.0	0.10	0.93	0.27	0.25	2d8/15 L=10 41,18,44
	s=12,m=5	340.8	0.54	8.0	4.0	0.0	0.12	0.64	0.21	0.16	2d8/20 L=291 41,25,44
111	ok,ok	0.0	0.54	8.0	4.0	0.0	0.12	0.74	0.20	0.16	2d8/20 L=291 41,25,44
	s=12,m=5	340.8	0.67	8.0	10.1	0.0	0.12	0.61	0.30	0.26	2d8/15 L=30 41,25,41
193	ok,ok	0.0	0.67	8.0	10.1	0.0	0.12	0.98	0.40	0.50	2d8/15 L=50 44,38,44
	s=12,m=5	175.5	1.21	18.1	10.1	0.0	0.17	0.32	0.35	0.57	2d8/20 L=211 44,38,44
		350.9	1.21	18.1	14.1	0.0	0.15	0.89	0.34	0.43	2d8/15 L=50 44,39,41
M_T= 31 Z=404.4 P=6 P=18											
217	ok,ok	0.0	0.56	4.0	4.0	0.0	0.19	0.03	0.09	6.87e-03	2d8/15 L=55 3,22,29
	s=18,m=5	75.0	0.56	4.0	4.0	0.0	0.19	0.05	0.13	0.08	2d8/15 L=55 3,22,3
182	ok,ok	0.0	0.54	8.0	6.0	0.0	0.10	0.93	0.27	0.25	2d8/15 L=10 35,16,34
	s=12,m=5	340.8	0.54	8.0	4.0	0.0	0.12	0.64	0.21	0.16	2d8/20 L=291 35,23,34
211	ok,ok	0.0	0.54	8.0	4.0	0.0	0.12	0.74	0.20	0.16	2d8/20 L=291 35,23,34
	s=12,m=5	340.8	0.67	8.0	10.1	0.0	0.12	0.61	0.30	0.26	2d8/15 L=30 35,23,35
188	ok,ok	0.0	0.67	8.0	10.1	0.0	0.12	0.98	0.40	0.50	2d8/15 L=50 34,32,34
	s=12,m=5	175.5	1.21	18.1	10.1	0.0	0.17	0.32	0.35	0.57	2d8/20 L=211 34,32,34
		350.9	1.21	18.1	14.1	0.0	0.15	0.89	0.34	0.43	2d8/15 L=50 34,29,35
M_T= 32 Z=404.4 P=5 P=17											
218	ok,ok	0.0	0.56	4.0	4.0	0.0	0.19	0.06	0.05	6.09e-03	2d8/15 L=60 3,22,33
	s=18,m=5	75.0	0.56	4.0	4.0	0.0	0.19	0.12	0.12	0.16	2d8/15 L=60 3,22,3
183	ok,ok	0.0	0.54	8.0	8.0	0.0	0.11	0.85	0.42	0.40	2d8/15 L=35 3,16,3
	s=12,m=5	340.8	0.54	8.0	4.0	0.0	0.12	0.88	0.26	0.12	2d8/20 L=291 3,13,35

COMUNE DI EMPOLI
NUOVA SCUOLA PRIMARIA IN VIA LIGURIA – CORPO B PALESTRA
FASCICOLO DI CALCOLO

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212	ok,ok	0.0	0.54	8.0	4.0	0.0	0.12	0.89	0.26	0.13	2d8/20 L=291	3,13,35
	s=12,m=5	340.8	0.67	8.0	10.1	0.0	0.12	0.74	0.43	0.46	2d8/15 L=30	3,13,3
189	ok,ok	0.0	0.84	8.0	10.1	0.0	0.23	0.83	0.57	0.55	2d8/12 L=316	34,14,3
	s=14,m=5	350.9	0.84	8.0	10.1	0.0	0.23	0.80	0.58	0.52	2d8/12 L=316	34,17,3
M_T= 33 Z=404.4 P=4 P=16												
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
219	ok,ok	0.0	0.56	4.0	4.0	0.0	0.19	0.06	0.05	4.45e-03	2d8/15 L=60	3,25,35
	s=18,m=5	75.0	0.56	4.0	4.0	0.0	0.19	0.11	0.11	0.16	2d8/15 L=60	3,28,3
184	ok,ok	0.0	0.54	8.0	8.0	0.0	0.11	0.83	0.41	0.39	2d8/15 L=35	3,16,3
	s=12,m=5	340.8	0.54	8.0	4.0	0.0	0.12	0.93	0.27	0.11	2d8/20 L=291	3,13,35
213	ok,ok	0.0	0.54	8.0	4.0	0.0	0.12	0.94	0.26	0.11	2d8/20 L=291	3,13,35
	s=12,m=5	340.8	0.67	8.0	10.1	0.0	0.12	0.74	0.43	0.46	2d8/15 L=30	3,13,3
190	ok,ok	0.0	0.84	8.0	10.1	0.0	0.23	0.78	0.58	0.55	2d8/12 L=316	34,16,3
	s=14,m=5	350.9	0.84	8.0	10.1	0.0	0.23	0.71	0.56	0.51	2d8/12 L=316	34,17,3
M_T= 34 Z=404.4 P=3 P=15												
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
220	ok,ok	0.0	0.56	4.0	4.0	0.0	0.19	0.06	0.05	4.45e-03	2d8/15 L=60	3,23,44
	s=18,m=5	75.0	0.56	4.0	4.0	0.0	0.19	0.11	0.11	0.16	2d8/15 L=60	3,22,3
185	ok,ok	0.0	0.54	8.0	8.0	0.0	0.11	0.83	0.41	0.39	2d8/15 L=35	3,18,3
	s=12,m=5	340.8	0.54	8.0	4.0	0.0	0.12	0.93	0.27	0.11	2d8/20 L=291	3,19,41
214	ok,ok	0.0	0.54	8.0	4.0	0.0	0.12	0.94	0.26	0.11	2d8/20 L=291	3,19,41
	s=12,m=5	340.8	0.67	8.0	10.1	0.0	0.12	0.74	0.43	0.46	2d8/15 L=30	3,19,3
191	ok,ok	0.0	0.84	8.0	10.1	0.0	0.23	0.78	0.58	0.55	2d8/12 L=316	44,18,3
	s=14,m=5	350.9	0.84	8.0	10.1	0.0	0.23	0.71	0.56	0.51	2d8/12 L=316	44,15,3
M_T= 35 Z=450.0 P=13 P=18												
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
196	ok,ok	0.0	0.80	8.0	12.1	0.0	0.13	0.74	0.37	0.29	2d8/15 L=50	19,19,19
	s=12,m=5	261.5	0.80	8.0	12.1	0.0	0.10	0.26	0.36	0.24	2d8/20 L=378	7,25,19
		523.0	0.80	8.0	12.1	0.0	0.13	0.82	0.43	0.27	2d8/15 L=50	19,25,18
197	ok,ok	0.0	0.80	8.0	12.1	0.0	0.13	0.84	0.31	0.31	2d8/15 L=50	13,23,19
	s=12,m=5	254.0	0.80	6.0	12.1	0.0	0.09	0.29	0.28	0.29	2d8/20 L=348	9,22,19
		508.0	0.80	10.1	12.1	0.0	0.13	0.75	0.34	0.31	2d8/15 L=50	13,22,18
198	ok,ok	0.0	0.80	10.1	12.1	0.0	0.13	0.78	0.33	0.31	2d8/15 L=50	19,23,19
	s=12,m=5	254.0	0.80	10.1	12.1	0.0	0.11	0.18	0.26	0.29	2d8/20 L=348	9,23,19
		508.0	0.80	10.1	12.1	0.0	0.13	0.78	0.33	0.31	2d8/15 L=50	13,25,18
199	ok,ok	0.0	0.80	10.1	12.1	0.0	0.13	0.75	0.34	0.31	2d8/15 L=50	19,28,16
	s=12,m=5	254.0	0.80	6.0	12.1	0.0	0.09	0.29	0.28	0.29	2d8/20 L=348	9,28,13
		508.0	0.80	8.0	12.1	0.0	0.13	0.84	0.31	0.31	2d8/15 L=50	19,25,13
200	ok,ok	0.0	0.80	8.0	12.1	0.0	0.13	0.82	0.43	0.27	2d8/15 L=50	13,23,16
	s=12,m=5	261.5	0.80	8.0	12.1	0.0	0.10	0.26	0.36	0.24	2d8/20 L=378	5,23,13
		523.0	0.80	8.0	12.1	0.0	0.13	0.74	0.37	0.29	2d8/15 L=50	13,13,13
M_T= 36 Z=378.0 P=1 P=6												
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
201	ok,ok	0.0	0.40	6.0	6.0	0.0	0.10	0.82	1.00	0.14	2d8/15 L=50	18,44,19
	s=12,m=5	261.5	0.40	4.0	6.0	0.0	0.08	0.33	0.98	0.14	2d8/20 L=388	14,44,19
		523.0	0.40	4.0	6.0	0.0	0.10	0.82	1.00	0.14	2d8/15 L=50	19,44,18
202	ok,ok	0.0	0.40	4.0	6.0	0.0	0.10	0.90	0.21	0.13	2d8/15 L=50	18,44,19
	s=12,m=5	254.0	0.27	4.0	4.0	0.0	0.08	0.14	0.19	0.13	2d8/20 L=368	30,44,19
		508.0	0.40	4.0	6.0	0.0	0.10	0.85	0.21	0.13	2d8/15 L=50	16,38,18
203	ok,ok	0.0	0.40	4.0	6.0	0.0	0.10	0.91	0.12	0.13	2d8/15 L=50	18,28,19
	s=12,m=5	254.0	0.40	4.0	6.0	0.0	0.08	0.15	0.10	0.13	2d8/20 L=368	38,22,19
		508.0	0.40	4.0	6.0	0.0	0.10	0.91	0.12	0.13	2d8/15 L=50	16,22,18
204	ok,ok	0.0	0.40	4.0	6.0	0.0	0.10	0.85	0.21	0.13	2d8/15 L=50	18,32,16
	s=12,m=5	254.0	0.27	4.0	4.0	0.0	0.08	0.14	0.19	0.13	2d8/20 L=368	40,34,13
		508.0	0.40	4.0	6.0	0.0	0.10	0.90	0.21	0.13	2d8/15 L=50	16,34,13
205	ok,ok	0.0	0.40	4.0	6.0	0.0	0.10	0.82	1.00	0.14	2d8/15 L=50	13,34,16
	s=12,m=5	261.5	0.40	4.0	6.0	0.0	0.08	0.33	0.98	0.14	2d8/20 L=388	20,34,13
		523.0	0.40	6.0	6.0	0.0	0.10	0.82	1.00	0.14	2d8/15 L=50	16,34,13
M_T= 37 Z=424.5 P=7 P=12												
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
206	ok,ok	0.0	0.50	6.0	6.0	0.0	0.19	0.69	0.66	0.12	2d8/12 L=493	19,44,19
	s=14,m=5	523.0	0.50	6.0	6.0	0.0	0.19	0.62	0.66	0.11	2d8/12 L=493	18,38,18
207	ok,ok	0.0	0.50	6.0	6.0	0.0	0.19	0.66	0.14	0.11	2d8/12 L=478	19,34,19
	s=14,m=5	508.0	0.50	6.0	6.0	0.0	0.19	0.64	0.15	0.11	2d8/12 L=478	13,22,18
208	ok,ok	0.0	0.50	6.0	6.0	0.0	0.19	0.66	0.12	0.11	2d8/12 L=478	19,23,19
	s=14,m=5	508.0	0.50	6.0	6.0	0.0	0.19	0.66	0.12	0.11	2d8/12 L=478	13,22,18

COMUNE DI EMPOLI
NUOVA SCUOLA PRIMARIA IN VIA LIGURIA – CORPO B PALESTRA
FASCICOLO DI CALCOLO

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209	ok,ok	0.0	0.50	6.0	6.0	0.0	0.19	0.64	0.15	0.11	2d8/12 L=478 19,28,16
	s=14,m=5	508.0	0.50	6.0	6.0	0.0	0.19	0.66	0.14	0.11	2d8/12 L=478 13,44,13
210	ok,ok	0.0	0.50	6.0	6.0	0.0	0.19	0.62	0.66	0.11	2d8/12 L=493 16,32,16
	s=14,m=5	523.0	0.50	6.0	6.0	0.0	0.19	0.69	0.66	0.12	2d8/12 L=493 13,34,13
M_T= 7 Z=838.0 P=23 P=28											
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe Rif. cmb
47	ok,ok	0.0	0.15	4.0	4.0	4.0	0.04	0.91	0.51	0.15	2d8/15 L=86 28,36,28
	s=11,m=5	130.8	0.15	4.0	4.0	4.0	0.04	0.66	0.50	0.18	2d8/20 L=75 25,36,28
		261.5	0.15	4.0	4.0	4.0	0.04	0.62	0.49	0.12	2d8/15 L=86 3,36,28
74	ok,ok	0.0	0.15	4.0	4.0	4.0	0.04	0.62	0.53	0.14	2d8/15 L=86 3,33,25
	s=11,m=5	130.8	0.22	4.0	6.0	4.0	0.05	0.61	0.54	0.21	2d8/20 L=60 28,33,25
		261.5	0.22	4.0	6.0	4.0	0.05	0.73	0.55	0.17	2d8/15 L=86 25,33,25
48	ok,ok	0.0	0.22	4.0	6.0	4.0	0.05	0.94	0.33	0.18	2d8/15 L=86 23,36,23
	s=11,m=5	127.0	0.22	4.0	6.0	4.0	0.05	0.67	0.32	0.22	2d8/20 L=52 25,36,23
		254.0	0.22	4.0	6.0	4.0	0.05	0.40	0.31	0.15	2d8/15 L=86 25,36,23
75	ok,ok	0.0	0.22	4.0	6.0	4.0	0.05	0.40	0.32	0.15	2d8/15 L=86 3,33,22
	s=11,m=5	127.0	0.22	4.0	6.0	4.0	0.05	0.59	0.33	0.22	2d8/20 L=52 23,33,22
		254.0	0.22	4.0	6.0	4.0	0.05	0.79	0.34	0.18	2d8/15 L=86 25,33,22
49	ok,ok	0.0	0.22	4.0	6.0	4.0	0.05	0.92	0.27	0.18	2d8/15 L=86 25,27,23
	s=11,m=5	127.0	0.22	4.0	6.0	4.0	0.05	0.70	0.26	0.22	2d8/20 L=52 25,27,23
		254.0	0.15	4.0	4.0	4.0	0.04	0.47	0.25	0.15	2d8/15 L=86 41,27,23
76	ok,ok	0.0	0.15	4.0	4.0	4.0	0.04	0.47	0.25	0.15	2d8/15 L=86 35,21,25
	s=11,m=5	127.0	0.22	4.0	6.0	4.0	0.05	0.70	0.26	0.22	2d8/20 L=52 23,21,25
		254.0	0.22	4.0	6.0	4.0	0.05	0.92	0.27	0.18	2d8/15 L=86 23,21,25
50	ok,ok	0.0	0.22	4.0	6.0	4.0	0.05	0.79	0.34	0.18	2d8/15 L=86 23,43,28
	s=11,m=5	127.0	0.22	4.0	6.0	4.0	0.05	0.59	0.33	0.22	2d8/20 L=52 25,43,28
		254.0	0.22	4.0	6.0	4.0	0.05	0.40	0.32	0.15	2d8/15 L=86 3,43,28
77	ok,ok	0.0	0.22	4.0	6.0	4.0	0.05	0.40	0.31	0.15	2d8/15 L=86 3,42,25
	s=11,m=5	127.0	0.22	4.0	6.0	4.0	0.05	0.67	0.32	0.22	2d8/20 L=52 23,42,25
		254.0	0.22	4.0	6.0	4.0	0.05	0.94	0.33	0.18	2d8/15 L=86 25,42,25
51	ok,ok	0.0	0.22	4.0	6.0	4.0	0.05	0.73	0.55	0.17	2d8/15 L=86 23,43,23
	s=11,m=5	130.8	0.22	4.0	6.0	4.0	0.05	0.61	0.54	0.21	2d8/20 L=60 22,43,23
		261.5	0.15	4.0	4.0	4.0	0.04	0.62	0.53	0.14	2d8/15 L=86 3,43,23
78	ok,ok	0.0	0.15	4.0	4.0	4.0	0.04	0.62	0.49	0.12	2d8/15 L=86 3,42,22
	s=11,m=5	130.8	0.15	4.0	4.0	4.0	0.04	0.66	0.50	0.18	2d8/20 L=75 23,42,22
		261.5	0.15	4.0	4.0	4.0	0.04	0.91	0.51	0.15	2d8/15 L=86 22,42,22
M_T= 8 Z=838.0 P=13 P=18											
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe Rif. cmb
52	ok,ok	0.0	0.15	4.0	4.0	4.0	0.04	0.85	0.93	0.14	2d8/15 L=86 19,35,19
	s=11,m=5	130.8	0.15	4.0	4.0	4.0	0.04	0.54	0.92	0.17	2d8/20 L=75 18,35,19
		261.5	0.15	4.0	4.0	4.0	0.04	0.64	0.90	0.11	2d8/15 L=86 3,35,19
79	ok,ok	0.0	0.15	4.0	4.0	4.0	0.04	0.64	0.85	0.11	2d8/15 L=86 3,34,18
	s=11,m=5	130.8	0.22	4.0	6.0	4.0	0.05	0.56	0.86	0.16	2d8/20 L=60 16,34,18
		261.5	0.22	4.0	6.0	4.0	0.05	0.58	0.87	0.14	2d8/15 L=86 19,34,18
53	ok,ok	0.0	0.22	4.0	6.0	4.0	0.05	0.73	0.56	0.15	2d8/15 L=86 16,35,16
	s=11,m=5	127.0	0.22	4.0	6.0	4.0	0.05	0.59	0.56	0.19	2d8/20 L=52 18,35,16
		254.0	0.22	4.0	6.0	4.0	0.05	0.46	0.54	0.12	2d8/15 L=86 3,35,16
80	ok,ok	0.0	0.22	4.0	6.0	4.0	0.05	0.46	0.52	0.12	2d8/15 L=86 3,35,13
	s=11,m=5	127.0	0.22	4.0	6.0	4.0	0.05	0.56	0.53	0.19	2d8/20 L=52 16,35,13
		254.0	0.22	4.0	6.0	4.0	0.05	0.69	0.54	0.15	2d8/15 L=86 16,35,13
54	ok,ok	0.0	0.22	4.0	6.0	4.0	0.05	0.73	0.32	0.16	2d8/15 L=86 18,23,16
	s=11,m=5	127.0	0.22	4.0	6.0	4.0	0.05	0.60	0.31	0.19	2d8/20 L=52 18,23,16
		254.0	0.15	4.0	4.0	4.0	0.04	0.51	0.30	0.13	2d8/15 L=86 38,23,16
81	ok,ok	0.0	0.15	4.0	4.0	4.0	0.04	0.51	0.30	0.13	2d8/15 L=86 32,25,18
	s=11,m=5	127.0	0.22	4.0	6.0	4.0	0.05	0.60	0.31	0.19	2d8/20 L=52 16,25,18
		254.0	0.22	4.0	6.0	4.0	0.05	0.73	0.32	0.16	2d8/15 L=86 16,25,18
55	ok,ok	0.0	0.22	4.0	6.0	4.0	0.05	0.69	0.54	0.15	2d8/15 L=86 18,41,19
	s=11,m=5	127.0	0.22	4.0	6.0	4.0	0.05	0.56	0.53	0.19	2d8/20 L=52 18,41,19
		254.0	0.22	4.0	6.0	4.0	0.05	0.46	0.52	0.12	2d8/15 L=86 3,41,19
82	ok,ok	0.0	0.22	4.0	6.0	4.0	0.05	0.46	0.54	0.12	2d8/15 L=86 3,41,18
	s=11,m=5	127.0	0.22	4.0	6.0	4.0	0.05	0.59	0.56	0.19	2d8/20 L=52 16,41,18
		254.0	0.22	4.0	6.0	4.0	0.05	0.73	0.56	0.15	2d8/15 L=86 18,41,18
56	ok,ok	0.0	0.22	4.0	6.0	4.0	0.05	0.58	0.87	0.14	2d8/15 L=86 13,44,16
	s=11,m=5	130.8	0.22	4.0	6.0	4.0	0.05	0.56	0.86	0.16	2d8/20 L=60 18,44,16
		261.5	0.15	4.0	4.0	4.0	0.04	0.64	0.85	0.11	2d8/15 L=86 3,44,16
83	ok,ok	0.0	0.15	4.0	4.0	4.0	0.04	0.64	0.90	0.11	2d8/15 L=86 3,41,13

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s=11,m=5	130.8	0.15	4.0	4.0	4.0	0.04	0.54	0.92	0.17	2d8/20 L=75 16,41,13	
	261.5	0.15	4.0	4.0	4.0	0.04	0.85	0.93	0.14	2d8/15 L=86 13,41,13	
M_T= 12 Z=838.0 P=13 P=23											
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe Rif. cmb
68	ok,ok	0.0	0.67	18.1	16.1	4.0	0.08	0.90	0.41	0.30	2d8/15 L=86 43,43,42
s=11,m=5		247.5	0.67	18.1	16.1	4.0	0.08	0.47	0.43	0.36	2d8/20 L=243 43,43,43
		495.0	0.22	4.0	6.0	4.0	0.05	0.79	0.45	0.30	2d8/15 L=86 39,43,43
69	ok,ok	0.0	0.22	4.0	6.0	4.0	0.05	0.29	0.22	0.08	2d8/15 L=66 41,35,44
s=11,m=5		322.5	0.22	4.0	6.0	4.0	0.05	0.22	0.21	0.04	2d8/20 L=237 39,35,41
90	ok,ok	0.0	0.22	4.0	6.0	4.0	0.05	0.28	0.21	0.04	2d8/20 L=237 44,35,41
s=11,m=5		322.5	0.15	4.0	4.0	4.0	0.04	0.74	0.25	0.08	2d8/15 L=66 39,35,41
70	ok,ok	0.0	0.15	4.0	4.0	4.0	0.04	0.71	0.37	0.23	2d8/15 L=86 44,44,44
s=11,m=5		247.5	0.45	12.1	12.1	4.0	0.06	0.50	0.37	0.26	2d8/20 L=243 44,41,44
		495.0	0.45	12.1	12.1	4.0	0.06	0.96	0.39	0.22	2d8/15 L=86 44,41,41
M_T= 13 Z=838.0 P=18 P=28											
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe Rif. cmb
71	ok,ok	0.0	0.67	18.1	16.1	4.0	0.08	0.90	0.41	0.30	2d8/15 L=86 33,33,36
s=11,m=5		247.5	0.67	18.1	16.1	4.0	0.08	0.47	0.43	0.36	2d8/20 L=243 33,33,33
		495.0	0.22	4.0	6.0	4.0	0.05	0.79	0.45	0.30	2d8/15 L=86 29,33,33
72	ok,ok	0.0	0.22	4.0	6.0	4.0	0.05	0.29	0.22	0.08	2d8/15 L=66 35,41,34
s=11,m=5		322.5	0.22	4.0	6.0	4.0	0.05	0.22	0.21	0.04	2d8/20 L=237 29,41,35
91	ok,ok	0.0	0.22	4.0	6.0	4.0	0.05	0.28	0.21	0.04	2d8/20 L=237 34,41,35
s=11,m=5		322.5	0.15	4.0	4.0	4.0	0.04	0.74	0.25	0.08	2d8/15 L=66 29,41,35
73	ok,ok	0.0	0.15	4.0	4.0	4.0	0.04	0.71	0.37	0.23	2d8/15 L=86 34,34,34
s=11,m=5		247.5	0.45	12.1	12.1	4.0	0.06	0.50	0.37	0.26	2d8/20 L=243 34,35,34
		495.0	0.45	12.1	12.1	4.0	0.06	0.96	0.39	0.22	2d8/15 L=86 34,35,35
Trave			%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	
			1.21	18.10	16.08	12.06	0.23	0.98	1.00	0.57	

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STATI LIMITE D' ESERCIZIO

LEGENDA TABELLA STATI LIMITE D' ESERCIZIO

In tabella vengono riportati i valori di interesse per il controllo degli stati limite d'esercizio.

In particolare vengono riportati, in relazione al tipo di elemento strutturale, i risultati relativi alle tre categorie di combinazione considerate:

- Combinazioni rare
- Combinazioni frequenti
- Combinazioni quasi permanenti.

I valori di interesse sono i seguenti:

rRfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni rare [normalizzato a 1]
rRfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni rare [normalizzato a 1]
rPfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni quasi permanenti [normalizzato a 1]
wR	apertura caratteristica delle fessure in combinazioni rare [mm]
wF	apertura caratteristica delle fessure in combinazioni frequenti [mm]
wP	apertura caratteristica delle fessure in combinazioni quasi permanenti [mm]
dR	massima deformazione in combinazioni rare
dF	massima deformazione in combinazioni frequenti
dP	massima deformazione in combinazioni quasi permanenti

Per ognuno dei nove valori soprariportati viene indicata (Rif.cmb) la combinazione in cui si è verificato.

In relazione al tipo di elemento strutturale i valori sono selezionati nel modo seguente:

pilastr	rRfck	rRfyk	rPfck	per sezioni significative
travi	rRfck	rRfyk	rPfck	per sezioni significative
	wR	wF	wP	per sezioni significative
	dR	dF	dP	massimi in campata
	rRfck	rRfyk	rPfck	massimi nei nodi dell'elemento
setti e gusci	wR	wF	wP	massimi nei nodi dell'elemento

Si precisa che i valori di massima deformazione per travi sono riferiti al piano verticale (piano locale 1-2 con momenti flettenti 3-3).

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Pilas. cmb	Pos. cm	rRfck	rRfyk	rPfck	Rif. cmb	Pos. cm	rRfck	rRfyk	rPfck Rif.
15 81,81,86	0.0	0.13	0.09	0.08	82,82,86	167.5	0.06	0.05	0.07
16 82,81,86	335.0 0.0	0.08 0.07	0.06 0.05	0.06 0.05	82,82,86 82,82,86	251.5	0.04	0.03	0.04
17 81,81,86	503.0 0.0	0.06 0.14	0.04 0.09	0.05 0.07	79,79,86 82,82,86	167.5	0.06	0.05	0.06
18 82,82,86	335.0 0.0	0.08 0.07	0.06 0.05	0.06 0.04	82,82,86 82,82,86	251.5	0.04	0.03	0.03
19 81,81,86	503.0 0.0	0.05 0.14	0.04 0.09	0.03 0.07	79,79,86 82,82,86	167.5	0.06	0.05	0.06
20 82,82,86	335.0 0.0	0.08 0.07	0.06 0.05	0.06 0.04	82,82,86 82,82,86	251.5	0.04	0.03	0.03
21 81,81,86	503.0 0.0	0.05 0.13	0.04 0.09	0.03 0.08	80,80,86 82,82,86	167.5	0.06	0.05	0.07
22 82,81,86	335.0 0.0	0.08 0.07	0.06 0.05	0.06 0.05	82,82,86 82,82,86	251.5	0.04	0.03	0.04
23 78,78,86	503.0 0.0	0.06 0.16	0.04 0.11	0.05 0.14	80,80,86 80,80,86	225.0	0.07	0.06	0.07
24 78,78,86	450.0 0.0	0.12 0.09	0.09 0.06	0.11 0.07	78,78,86 80,80,86	194.0	0.05	0.04	0.05
25 78,78,86	388.0 0.0	0.07 0.14	0.05 0.10	0.05 0.12	80,80,86 80,80,86	225.0	0.07	0.05	0.07
26 78,78,86	450.0 0.0	0.12 0.08	0.08 0.06	0.11 0.07	78,78,86 80,80,86	194.0	0.05	0.04	0.05
27 78,78,86	388.0 0.0	0.06 0.14	0.04 0.10	0.04 0.12	80,80,86 79,79,86	225.0	0.07	0.05	0.07
28 78,78,86	450.0 0.0	0.12 0.08	0.08 0.06	0.11 0.07	78,78,86 79,79,86	194.0	0.05	0.04	0.05
29 78,78,86	388.0 0.0	0.06 0.16	0.04 0.11	0.04 0.14	79,79,86 79,79,86	225.0	0.07	0.06	0.07
30 78,78,86	450.0 0.0	0.12 0.09	0.09 0.06	0.11 0.07	78,78,86 79,79,86	194.0	0.05	0.04	0.05
31 81,81,86	388.0 0.0	0.07 0.08	0.05 0.06	0.05 0.05	79,79,86 81,81,86	167.5	0.05	0.04	0.05
32 81,81,86	335.0 0.0	0.06 0.09	0.04 0.06	0.06 0.07	82,82,86 82,82,86	251.5	0.02	0.02	0.02
33 81,81,86	503.0 0.0	0.09 0.11	0.07 0.08	0.05 0.07	82,82,86 81,81,86	167.5	0.05	0.04	0.04
34 80,78,86	335.0 0.0	0.04 0.07	0.03 0.05	0.04 0.07	80,80,86 80,80,86	115.0	0.09	0.06	0.09
35	0.0	0.11	0.08	0.07	81,81,86	167.5	0.05	0.04	0.04

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181	424.5	0.12	0.08	0.10	81,81,86							
81,81,86	0.0	0.14	0.11	0.10	82,82,86	189.0	0.05	0.04	0.05			
194	378.0	0.14	0.12	0.14	79,82,86							
82,82,86	0.0	0.13	0.09	0.11	82,82,86	194.0	0.02	0.02	0.02			
195	388.0	0.12	0.09	0.09	82,82,86							
82,82,86	0.0	0.13	0.09	0.11	82,82,86	194.0	0.02	0.02	0.02			
	388.0	0.12	0.09	0.09	82,82,86							
Pilas.		rRfck	rRfyk	rPFck					rRfck	rRfyk	rPFck	
		0.20	0.13	0.21								
Trave	Pos.	rRfck	rRfyk	rPFck	Rif. cmb	wR	wF	wP	Rif. cmb	dR	dF	dP
Rif. cmb	cm					mm	mm	mm		cm	cm	cm
1	0.0	0.04	0.13	0.05	82,82,86	0.0	0.0	0.0	0,0,0	0.07	0.03	0.03
81,84,86	495.0	0.03	0.09	0.02	82,82,86	0.0	0.0	0.0	0,0,0			
2	0.0	0.06	0.16	0.06	79,79,86	0.0	0.0	0.0	0,0,0	0.01	9.48e-03	9.43e-03
81,83,86	508.0	0.06	0.16	0.06	80,80,86	0.0	0.0	0.0	0,0,0			
3	0.0	0.04	0.13	0.05	82,82,86	0.0	0.0	0.0	0,0,0	0.07	0.03	0.03
81,84,86	495.0	0.03	0.09	0.02	82,82,86	0.0	0.0	0.0	0,0,0			
4	0.0	0.08	0.32	0.09	79,77,86	0.0	0.0	0.0	0,0,0	5.99e-03	6.19e-03	6.19e-03
82,85,86	508.0	0.08	0.32	0.09	80,77,86	0.0	0.0	0.0	0,0,0			
5	0.0	0.03	0.12	0.03	80,80,86	0.0	0.0	0.0	0,0,0	-0.02	-0.01	-0.01
77,84,86	254.0	0.02	0.09	0.02	77,78,86	0.0	0.0	0.0	0,0,0			
	508.0	0.03	0.12	0.03	79,79,86	0.0	0.0	0.0	0,0,0			
6	0.0	0.06	0.17	0.06	79,79,86	0.0	0.0	0.0	0,0,0	3.03e-03	2.23e-03	2.23e-03
82,85,86	508.0	0.06	0.17	0.06	80,80,86	0.0	0.0	0.0	0,0,0			
7	0.0	0.06	0.15	0.06	79,77,86	0.0	0.0	0.0	0,0,0	-0.02	-0.01	-0.01
81,85,86	508.0	0.07	0.20	0.08	80,80,86	0.0	0.0	0.0	0,0,0			
8	0.0	0.08	0.32	0.09	77,77,86	0.0	0.0	0.0	0,0,0	0.07	0.05	0.04
77,83,86	508.0	0.12	0.42	0.13	77,77,86	0.0	0.0	0.0	0,0,0			
9	0.0	0.03	0.18	0.04	80,80,86	0.0	0.0	0.0	0,0,0	0.06	0.04	0.04
77,84,86	254.0	0.02	0.16	0.02	77,78,86	0.0	0.0	0.0	0,0,0			
	508.0	0.0	0.08	0.0	0,80,0	0.0	0.0	0.0	0,0,0			
10	0.0	0.05	0.17	0.06	79,81,86	0.0	0.0	0.0	0,0,0	0.05	0.04	0.04
81,84,86	508.0	0.07	0.21	0.08	80,77,86	0.0	0.0	0.0	0,0,0			
11	0.0	0.08	0.20	0.08	77,77,86	0.0	0.0	0.0	0,0,0	0.04	0.03	0.03
81,85,86	523.0	0.02	0.05	0.02	80,80,86	0.0	0.0	0.0	0,0,0			
12	0.0	0.15	0.46	0.16	77,77,86	0.0	0.0	0.0	0,0,0	0.21	0.15	0.14
77,83,86	523.0	2.65e-03	0.04	0.0	80,80,0	0.0	0.0	0.0	0,0,0			
13	0.0	0.05	0.18	0.05	78,78,86	0.0	0.0	0.0	0,0,0	0.31	0.25	0.24
77,84,86	261.5	0.02	0.09	0.03	80,77,86	0.0	0.0	0.0	0,0,0			
	523.0	0.10	0.32	0.12	78,78,86	0.0	0.0	0.0	0,0,0			
14	0.0	0.08	0.22	0.09	77,77,86	0.0	0.0	0.0	0,0,0	0.11	0.09	0.08
81,83,86	523.0	8.08e-03	0.02	5.42e-03	80,80,86	0.0	0.0	0.0	0,0,0			
47	0.0	0.01	0.04	5.88e-03	80,80,86	0.0	0.0	0.0	0,0,0	-0.08	-0.05	-0.04
78,84,86	130.8	0.06	0.26	0.07	78,78,86	0.0	0.0	0.0	0,0,0			
	261.5	0.12	0.50	0.12	78,78,86	0.0	0.0	0.0	0,0,0			

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48	0.0	0.07	0.23	0.07	80,80,86	0.0	0.0	0.0	0,0,0	-0.02	-6.48e-03	-4.35e-03
79,84,86	127.0	0.01	0.03	2.77e-03	80,79,86	0.0	0.0	0.0	0,0,0			
	254.0	0.07	0.31	0.07	78,78,86	0.0	0.0	0.0	0,0,0			
49	0.0	0.07	0.21	0.06	80,80,86	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.01
78,84,86	127.0	0.01	0.04	2.47e-03	79,79,86	0.0	0.0	0.0	0,0,0			
	254.0	0.08	0.33	0.08	78,78,86	0.0	0.0	0.0	0,0,0			
50	0.0	0.07	0.20	0.06	80,80,86	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02
81,84,86	127.0	7.52e-03	0.03	6.05e-04	79,79,86	0.0	0.0	0.0	0,0,0			
	254.0	0.07	0.31	0.07	78,78,86	0.0	0.0	0.0	0,0,0			
51	0.0	0.07	0.22	0.08	80,81,86	0.0	0.0	0.0	0,0,0	-0.04	-0.03	-0.03
81,85,86	130.8	0.02	0.08	0.01	79,79,86	0.0	0.0	0.0	0,0,0			
	261.5	0.12	0.50	0.12	78,78,86	0.0	0.0	0.0	0,0,0			
52	0.0	0.05	0.18	0.05	80,80,86	0.0	0.0	0.0	0,0,0	-0.16	-0.13	-0.12
78,84,86	130.8	0.05	0.17	0.05	78,78,86	0.0	0.0	0.0	0,0,0			
	261.5	0.13	0.51	0.12	78,78,86	0.0	0.0	0.0	0,0,0			
53	0.0	0.06	0.17	0.05	80,80,86	0.0	0.0	0.0	0,0,0	-0.06	-0.04	-0.04
77,84,86	127.0	0.02	0.07	0.02	79,79,86	0.0	0.0	0.0	0,0,0			
	254.0	0.09	0.36	0.09	78,78,86	0.0	0.0	0.0	0,0,0			
54	0.0	0.06	0.17	0.06	80,80,86	0.0	0.0	0.0	0,0,0	-0.03	-0.02	-0.02
78,84,86	127.0	0.02	0.04	0.01	79,79,86	0.0	0.0	0.0	0,0,0			
	254.0	0.09	0.34	0.09	78,78,86	0.0	0.0	0.0	0,0,0			
55	0.0	0.05	0.16	0.05	80,80,86	0.0	0.0	0.0	0,0,0	-4.05e-03	-4.30e-03	-4.30e-03
79,84,86	127.0	0.02	0.06	0.02	79,79,86	0.0	0.0	0.0	0,0,0			
	254.0	0.09	0.36	0.09	78,78,86	0.0	0.0	0.0	0,0,0			
56	0.0	0.03	0.09	0.03	80,82,86	0.0	0.0	0.0	0,0,0	0.06	0.04	0.03
77,83,86	130.8	0.04	0.18	0.04	77,79,86	0.0	0.0	0.0	0,0,0			
	261.5	0.13	0.51	0.12	78,78,86	0.0	0.0	0.0	0,0,0			
57	0.0	0.03	0.05	0.01	81,81,86	0.0	0.0	0.0	0,0,0	-0.05	-0.05	-0.05
77,83,86	247.5	0.05	0.09	0.06	79,80,86	0.0	0.0	0.0	0,0,0			
	495.0	0.09	0.16	0.06	81,81,86	0.0	0.0	0.0	0,0,0			
58	0.0	0.09	0.15	0.09	82,82,86	0.0	0.0	0.0	0,0,0	-0.10	-0.10	-0.10
82,85,86	322.5	0.07	0.12	0.09	82,80,86	0.0	0.0	0.0	0,0,0			
	0.0	0.09	0.16	0.05	82,82,86	0.0	0.0	0.0	0,0,0	-0.04	-0.05	-0.05
59	247.5	0.04	0.09	0.06	78,80,86	0.0	0.0	0.0	0,0,0			
81,84,86	495.0	0.03	0.05	7.52e-03	81,81,86	0.0	0.0	0.0	0,0,0			
	0.0	0.05	0.10	0.04	80,80,86	0.0	0.0	0.0	0,0,0	-0.13	-0.13	-0.13
82,84,86	261.5	0.10	0.24	0.13	79,80,86	0.0	0.0	0.0	0,0,0			
	523.0	0.07	0.11	0.07	79,79,86	0.0	0.0	0.0	0,0,0			
61	0.0	0.06	0.10	0.05	80,80,86	0.0	0.0	0.0	0,0,0	-0.11	-0.11	-0.11
82,84,86	254.0	0.09	0.27	0.12	79,81,86	0.0	0.0	0.0	0,0,0			
	508.0	0.06	0.09	0.05	79,79,86	0.0	0.0	0.0	0,0,0			
62	0.0	0.05	0.10	0.05	80,80,86	0.0	0.0	0.0	0,0,0	-0.10	-0.10	-0.10
79,83,86	254.0	0.08	0.17	0.10	79,81,86	0.0	0.0	0.0	0,0,0			
	508.0	0.05	0.10	0.05	79,79,86	0.0	0.0	0.0	0,0,0			
63	0.0	0.06	0.09	0.05	80,80,86	0.0	0.0	0.0	0,0,0	-0.11	-0.11	-0.11
81,85,86	254.0	0.09	0.27	0.12	80,81,86	0.0	0.0	0.0	0,0,0			
	508.0	0.06	0.10	0.05	79,79,86	0.0	0.0	0.0	0,0,0			
64	0.0	0.07	0.11	0.07	80,80,86	0.0	0.0	0.0	0,0,0	-0.13	-0.13	-0.13
81,85,86	261.5	0.10	0.24	0.13	80,79,86	0.0	0.0	0.0	0,0,0			

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	523.0	0.05	0.10	0.04	79,79,86	0.0	0.0	0.0	0,0,0			
65	0.0	0.09	0.16	0.05	82,82,86	0.0	0.0	0.0	0,0,0	-0.04	-0.05	-0.05
81,84,86												
	247.5	0.04	0.09	0.06	78,79,86	0.0	0.0	0.0	0,0,0			
	495.0	0.03	0.05	7.52e-03	81,81,86	0.0	0.0	0.0	0,0,0			
66	0.0	0.09	0.15	0.09	82,82,86	0.0	0.0	0.0	0,0,0	-0.10	-0.10	-0.10
82,85,86												
	322.5	0.07	0.12	0.09	82,79,86	0.0	0.0	0.0	0,0,0			
67	0.0	0.03	0.05	0.01	81,81,86	0.0	0.0	0.0	0,0,0	-0.05	-0.05	-0.05
77,83,86												
	247.5	0.05	0.09	0.06	80,79,86	0.0	0.0	0.0	0,0,0			
	495.0	0.09	0.16	0.06	81,81,86	0.0	0.0	0.0	0,0,0			
68	0.0	0.04	0.08	1.74e-03	82,82,86	0.0	0.0	0.0	0,0,0	-0.03	-0.03	-0.02
81,83,86												
	247.5	0.02	0.04	0.02	81,81,86	0.0	0.0	0.0	0,0,0			
	495.0	0.04	0.14	0.02	81,81,86	0.0	0.0	0.0	0,0,0			
69	0.0	0.04	0.12	0.04	82,80,86	0.0	0.0	0.0	0,0,0	-0.04	-0.03	-0.03
82,83,86												
	322.5	0.04	0.17	0.05	82,77,86	0.0	0.0	0.0	0,0,0			
70	0.0	0.05	0.23	0.04	82,82,86	0.0	0.0	0.0	0,0,0	-0.03	-9.32e-03	-8.92e-03
81,84,86												
	247.5	0.02	0.05	0.02	82,82,86	0.0	0.0	0.0	0,0,0			
	495.0	0.02	0.05	1.03e-03	82,82,86	0.0	0.0	0.0	0,0,0			
71	0.0	0.04	0.08	1.74e-03	82,82,86	0.0	0.0	0.0	0,0,0	-0.03	-0.03	-0.02
81,83,86												
	247.5	0.02	0.04	0.02	81,81,86	0.0	0.0	0.0	0,0,0			
	495.0	0.04	0.14	0.02	81,81,86	0.0	0.0	0.0	0,0,0			
72	0.0	0.04	0.12	0.04	82,79,86	0.0	0.0	0.0	0,0,0	-0.04	-0.03	-0.03
82,83,86												
	322.5	0.04	0.17	0.05	82,77,86	0.0	0.0	0.0	0,0,0			
73	0.0	0.05	0.23	0.04	82,82,86	0.0	0.0	0.0	0,0,0	-0.03	-9.32e-03	-8.92e-03
81,84,86												
	247.5	0.02	0.05	0.02	82,82,86	0.0	0.0	0.0	0,0,0			
	495.0	0.02	0.05	1.03e-03	82,82,86	0.0	0.0	0.0	0,0,0			
74	0.0	0.12	0.50	0.12	78,78,86	0.0	0.0	0.0	0,0,0	0.04	0.04	0.04
81,85,86												
	130.8	0.02	0.08	0.01	80,80,86	0.0	0.0	0.0	0,0,0			
	261.5	0.07	0.22	0.08	79,81,86	0.0	0.0	0.0	0,0,0			
75	0.0	0.07	0.31	0.07	78,78,86	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02
81,84,86												
	127.0	7.52e-03	0.03	6.05e-04	80,80,86	0.0	0.0	0.0	0,0,0			
	254.0	0.07	0.20	0.06	79,79,86	0.0	0.0	0.0	0,0,0			
76	0.0	0.08	0.33	0.08	78,78,86	0.0	0.0	0.0	0,0,0	0.02	0.02	0.01
78,84,86												
	127.0	0.01	0.04	2.47e-03	80,80,86	0.0	0.0	0.0	0,0,0			
	254.0	0.07	0.21	0.06	79,79,86	0.0	0.0	0.0	0,0,0			
77	0.0	0.07	0.31	0.07	78,78,86	0.0	0.0	0.0	0,0,0	0.02	6.48e-03	4.35e-03
80,84,86												
	127.0	0.01	0.03	2.77e-03	79,80,86	0.0	0.0	0.0	0,0,0			
	254.0	0.07	0.23	0.07	79,79,86	0.0	0.0	0.0	0,0,0			
78	0.0	0.12	0.50	0.12	78,78,86	0.0	0.0	0.0	0,0,0	0.08	0.05	0.04
78,84,86												
	130.8	0.06	0.26	0.07	78,78,86	0.0	0.0	0.0	0,0,0			
	261.5	0.01	0.04	5.88e-03	79,79,86	0.0	0.0	0.0	0,0,0			
79	0.0	0.13	0.51	0.12	78,78,86	0.0	0.0	0.0	0,0,0	-0.06	-0.04	-0.03
77,83,86												
	130.8	0.04	0.18	0.04	77,80,86	0.0	0.0	0.0	0,0,0			
	261.5	0.03	0.09	0.03	79,82,86	0.0	0.0	0.0	0,0,0			
80	0.0	0.09	0.36	0.09	78,78,86	0.0	0.0	0.0	0,0,0	4.05e-03	4.30e-03	4.30e-03
80,84,86												
	127.0	0.02	0.06	0.02	80,80,86	0.0	0.0	0.0	0,0,0			
	254.0	0.05	0.16	0.05	79,79,86	0.0	0.0	0.0	0,0,0			
81	0.0	0.09	0.34	0.09	78,78,86	0.0	0.0	0.0	0,0,0	0.03	0.02	0.02
78,84,86												
	127.0	0.02	0.04	0.01	80,80,86	0.0	0.0	0.0	0,0,0			
	254.0	0.06	0.17	0.06	79,79,86	0.0	0.0	0.0	0,0,0			

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82	0.0	0.09	0.36	0.09	78,78,86	0.0	0.0	0.0	0,0,0	0.06	0.04	0.04
77,84,86	127.0	0.02	0.07	0.02	80,80,86	0.0	0.0	0.0	0,0,0			
	254.0	0.06	0.17	0.05	79,79,86	0.0	0.0	0.0	0,0,0			
83	0.0	0.13	0.51	0.12	78,78,86	0.0	0.0	0.0	0,0,0	0.16	0.13	0.12
78,84,86	130.8	0.05	0.17	0.05	78,78,86	0.0	0.0	0.0	0,0,0			
	261.5	0.05	0.18	0.05	79,79,86	0.0	0.0	0.0	0,0,0			
88	0.0	0.07	0.12	0.09	82,80,86	0.0	0.0	0.0	0,0,0	-0.10	-0.10	-0.10
81,84,86	322.5	0.11	0.22	0.11	81,81,86	0.0	0.0	0.0	0,0,0			
89	0.0	0.07	0.12	0.09	82,79,86	0.0	0.0	0.0	0,0,0	-0.10	-0.10	-0.10
81,84,86	322.5	0.11	0.22	0.11	81,81,86	0.0	0.0	0.0	0,0,0			
90	0.0	0.04	0.18	0.05	82,82,86	0.0	0.0	0.0	0,0,0	-0.04	-0.03	-0.03
77,83,86	322.5	0.06	0.25	0.06	81,81,86	0.0	0.0	0.0	0,0,0			
91	0.0	0.04	0.18	0.05	82,82,86	0.0	0.0	0.0	0,0,0	-0.04	-0.03	-0.03
77,83,86	322.5	0.06	0.25	0.06	81,81,86	0.0	0.0	0.0	0,0,0			
109	0.0	0.26	0.75	0.27	78,78,86	0.22	0.19	0.18	78,84,86	-1.11	-0.95	-0.89
78,84,86	340.8	0.22	0.64	0.22	78,78,86	0.17	0.14	0.13	78,84,86			
111	0.0	0.15	0.35	0.16	81,81,86	0.08	0.0	0.0	81,0,0	-0.31	-0.24	-0.23
78,84,86	340.8	0.14	0.32	0.14	78,78,86	0.07	0.0	0.0	78,0,0			
124	0.0	0.05	0.20	0.05	77,77,86	0.0	0.0	0.0	0,0,0	-0.14	-0.06	-0.04
77,83,86	261.5	0.03	0.11	0.03	79,79,86	0.0	0.0	0.0	0,0,0			
	523.0	0.01	0.08	0.02	79,79,86	0.0	0.0	0.0	0,0,0			
125	0.0	0.05	0.17	0.04	80,77,86	0.0	0.0	0.0	0,0,0	-0.18	-0.10	-0.08
77,83,86	261.5	0.03	0.12	0.03	79,79,86	0.0	0.0	0.0	0,0,0			
	523.0	0.02	0.09	0.02	79,79,86	0.0	0.0	0.0	0,0,0			
126	0.0	0.03	0.10	0.02	77,77,86	0.0	0.0	0.0	0,0,0	-0.08	-0.05	-0.04
78,84,86	495.0	0.03	0.07	0.01	77,77,86	0.0	0.0	0.0	0,0,0			
127	0.0	0.04	0.12	0.02	78,78,86	0.0	0.0	0.0	0,0,0	-0.15	-0.10	-0.09
78,84,86	495.0	0.01	0.05	3.38e-03	78,78,86	0.0	0.0	0.0	0,0,0			
128	0.0	0.04	0.12	0.02	78,78,86	0.0	0.0	0.0	0,0,0	-0.15	-0.10	-0.09
78,84,86	495.0	0.01	0.05	3.38e-03	78,78,86	0.0	0.0	0.0	0,0,0			
129	0.0	0.03	0.10	0.02	77,77,86	0.0	0.0	0.0	0,0,0	-0.08	-0.05	-0.04
78,84,86	495.0	0.03	0.07	0.01	77,77,86	0.0	0.0	0.0	0,0,0			
130	0.0	0.06	0.19	0.06	81,81,86	0.0	0.0	0.0	0,0,0	0.03	0.03	0.02
81,83,86	495.0	0.04	0.13	0.05	81,81,86	0.0	0.0	0.0	0,0,0			
131	0.0	0.02	0.05	0.02	79,79,86	0.0	0.0	0.0	0,0,0	0.04	0.03	0.03
81,85,86	523.0	0.08	0.20	0.08	77,77,86	0.0	0.0	0.0	0,0,0			
132	0.0	0.06	0.19	0.06	81,81,86	0.0	0.0	0.0	0,0,0	0.03	0.03	0.02
81,83,86	495.0	0.04	0.13	0.05	81,81,86	0.0	0.0	0.0	0,0,0			
133	0.0	2.65e-03	0.04	0.0	79,79,0	0.0	0.0	0.0	0,0,0	0.21	0.15	0.14
77,83,86	523.0	0.15	0.46	0.16	77,77,86	0.0	0.0	0.0	0,0,0			
134	0.0	0.10	0.32	0.12	78,78,86	0.0	0.0	0.0	0,0,0	-0.31	-0.25	-0.24
77,84,86	261.5	0.02	0.09	0.03	79,77,86	0.0	0.0	0.0	0,0,0			
	523.0	0.05	0.18	0.05	78,78,86	0.0	0.0	0.0	0,0,0			
135	0.0	8.08e-03	0.02	5.42e-03	79,79,86	0.0	0.0	0.0	0,0,0	0.11	0.09	0.08
81,83,86	523.0	0.08	0.22	0.09	77,77,86	0.0	0.0	0.0	0,0,0			
136	0.0	0.01	0.07	3.75e-03	82,82,86	0.0	0.0	0.0	0,0,0	0.24	0.20	0.19

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77,83,86	680.0	0.08	0.23	0.08	82,78,86	0.0	0.0	0.0	0,0,0			
137	0.0	0.03	0.26	0.04	82,78,86	0.0	0.0	0.0	0,0,0	0.45	0.36	0.35
77,83,86	680.0	0.18	0.61	0.18	78,78,86	0.0	0.0	0.0	0,0,0			
138	0.0	0.03	0.24	0.03	82,78,86	0.0	0.0	0.0	0,0,0	0.46	0.37	0.35
77,83,86	680.0	0.19	0.65	0.19	78,78,86	0.0	0.0	0.0	0,0,0			
139	0.0	0.03	0.24	0.03	82,78,86	0.0	0.0	0.0	0,0,0	0.46	0.37	0.35
77,83,86	680.0	0.19	0.65	0.19	78,78,86	0.0	0.0	0.0	0,0,0			
140	0.0	0.03	0.26	0.04	82,78,86	0.0	0.0	0.0	0,0,0	0.45	0.36	0.35
77,83,86	680.0	0.18	0.61	0.18	78,78,86	0.0	0.0	0.0	0,0,0			
141	0.0	0.01	0.07	3.75e-03	82,82,86	0.0	0.0	0.0	0,0,0	0.24	0.20	0.19
77,83,86	680.0	0.08	0.23	0.08	82,78,86	0.0	0.0	0.0	0,0,0			
142	0.0	0.06	0.17	0.06	81,81,86	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02
81,84,86	645.0	0.05	0.15	0.05	82,82,86	0.0	0.0	0.0	0,0,0			
143	0.0	0.07	0.20	0.08	79,79,86	0.0	0.0	0.0	0,0,0	-0.02	-0.01	-0.01
81,85,86	508.0	0.06	0.15	0.06	80,77,86	0.0	0.0	0.0	0,0,0			
144	0.0	0.06	0.17	0.06	81,81,86	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02
81,84,86	645.0	0.05	0.15	0.05	82,82,86	0.0	0.0	0.0	0,0,0			
145	0.0	0.12	0.42	0.13	77,77,86	0.0	0.0	0.0	0,0,0	0.07	0.05	0.04
77,83,86	508.0	0.08	0.32	0.09	77,77,86	0.0	0.0	0.0	0,0,0			
146	0.0	0.0	0.08	0.0	0,79,0	0.0	0.0	0.0	0,0,0	-0.06	-0.04	-0.04
77,84,86	254.0	0.02	0.16	0.02	77,78,86	0.0	0.0	0.0	0,0,0			
147	0.0	0.07	0.21	0.08	79,79,86	0.0	0.0	0.0	0,0,0	0.05	0.04	0.04
81,84,86	508.0	0.05	0.17	0.06	80,81,86	0.0	0.0	0.0	0,0,0			
148	0.0	0.06	0.23	0.07	78,78,86	0.0	0.0	0.0	0,0,0	0.08	0.06	0.06
81,83,86	350.0	0.03	0.14	0.02	82,82,86	0.0	0.0	0.0	0,0,0			
149	0.0	0.17	0.63	0.19	78,78,86	0.0	0.0	0.0	0,0,0	0.07	0.06	0.05
78,84,86	350.0	0.05	0.31	0.05	77,77,86	0.0	0.0	0.0	0,0,0			
150	0.0	0.17	0.66	0.19	78,78,86	0.0	0.0	0.0	0,0,0	0.06	0.06	0.05
78,84,86	350.0	0.01	0.23	7.08e-03	77,77,86	0.0	0.0	0.0	0,0,0			
151	0.0	0.17	0.66	0.19	78,78,86	0.0	0.0	0.0	0,0,0	0.06	0.06	0.05
78,84,86	350.0	0.01	0.23	7.08e-03	77,77,86	0.0	0.0	0.0	0,0,0			
152	0.0	0.17	0.63	0.19	78,78,86	0.0	0.0	0.0	0,0,0	0.07	0.06	0.05
78,84,86	350.0	0.05	0.31	0.05	77,77,86	0.0	0.0	0.0	0,0,0			
153	0.0	0.06	0.23	0.07	78,78,86	0.0	0.0	0.0	0,0,0	0.08	0.06	0.06
81,83,86	350.0	0.03	0.14	0.02	82,82,86	0.0	0.0	0.0	0,0,0			
154	0.0	9.69e-03	0.05	0.01	80,77,86	0.0	0.0	0.0	0,0,0	0.04	0.04	0.04
81,85,86	254.0	0.02	0.10	0.02	79,77,86	0.0	0.0	0.0	0,0,0			
155	0.0	8.18e-03	0.05	0.01	80,77,86	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.01
77,83,86	254.0	0.02	0.10	0.03	79,77,86	0.0	0.0	0.0	0,0,0			
156	0.0	0.03	0.12	0.02	77,77,86	0.0	0.0	0.0	0,0,0	0.13	0.07	0.04
77,83,86	495.0	0.01	0.08	9.28e-03	77,77,86	0.0	0.0	0.0	0,0,0			
157	0.0	0.02	0.08	7.65e-03	77,77,86	0.0	0.0	0.0	0,0,0	-0.10	0.05	0.02

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77,83,86	495.0	0.02	0.04	5.11e-03	82,82,86	0.0	0.0	0.0	0,0,0			
158	0.0	0.02	0.08	7.65e-03	77,77,86	0.0	0.0	0.0	0,0,0	-0.10	0.05	0.02
77,83,86	495.0	0.02	0.04	5.11e-03	82,82,86	0.0	0.0	0.0	0,0,0			
159	0.0	0.03	0.12	0.02	77,77,86	0.0	0.0	0.0	0,0,0	0.13	0.07	0.04
77,83,86	495.0	0.01	0.08	9.28e-03	77,77,86	0.0	0.0	0.0	0,0,0			
160	0.0	5.96e-03	0.07	3.20e-03	81,77,86	0.0	0.0	0.0	0,0,0	-0.06	-0.03	-0.03
78,84,86	645.0	0.02	0.11	0.02	82,77,86	0.0	0.0	0.0	0,0,0			
161	0.0	8.60e-03	0.04	3.98e-03	77,77,86	0.0	0.0	0.0	0,0,0	-0.09	-0.06	-0.06
78,84,86	645.0	0.02	0.08	0.01	77,77,86	0.0	0.0	0.0	0,0,0			
162	0.0	8.60e-03	0.04	3.98e-03	77,77,86	0.0	0.0	0.0	0,0,0	-0.09	-0.06	-0.06
78,84,86	645.0	0.02	0.08	0.01	77,77,86	0.0	0.0	0.0	0,0,0			
163	0.0	5.96e-03	0.07	3.20e-03	81,77,86	0.0	0.0	0.0	0,0,0	-0.06	-0.03	-0.03
78,84,86	645.0	0.02	0.11	0.02	82,77,86	0.0	0.0	0.0	0,0,0			
164	0.0	0.04	0.09	0.05	80,77,86	0.0	0.0	0.0	0,0,0	-7.47e-03	-6.24e-03	-5.94e-03
77,83,86	254.0	0.01	0.03	0.02	78,77,86	0.0	0.0	0.0	0,0,0			
	508.0	0.04	0.09	0.05	79,77,86	0.0	0.0	0.0	0,0,0			
165	0.0	0.04	0.08	0.05	80,80,86	0.0	0.0	0.0	0,0,0	-0.01	-9.26e-03	-8.85e-03
77,83,86	254.0	0.02	0.04	0.02	77,77,86	0.0	0.0	0.0	0,0,0			
	508.0	0.04	0.08	0.05	79,79,86	0.0	0.0	0.0	0,0,0			
166	0.0	0.05	0.19	0.06	80,77,86	0.0	0.0	0.0	0,0,0	-0.04	-0.04	-0.04
81,85,86	254.0	0.02	0.10	0.02	80,77,86	0.0	0.0	0.0	0,0,0			
	508.0	9.69e-03	0.05	0.01	79,77,86	0.0	0.0	0.0	0,0,0			
167	0.0	0.05	0.16	0.06	80,77,86	0.0	0.0	0.0	0,0,0	-0.02	-0.01	-0.01
80,85,86	254.0	0.02	0.10	0.03	80,77,86	0.0	0.0	0.0	0,0,0			
	508.0	8.18e-03	0.05	0.01	79,77,86	0.0	0.0	0.0	0,0,0			
168	0.0	0.01	0.08	0.02	80,80,86	0.0	0.0	0.0	0,0,0	0.14	0.06	0.04
77,83,86	261.5	0.03	0.11	0.03	80,80,86	0.0	0.0	0.0	0,0,0			
	523.0	0.05	0.20	0.05	77,77,86	0.0	0.0	0.0	0,0,0			
169	0.0	0.02	0.09	0.02	80,80,86	0.0	0.0	0.0	0,0,0	0.18	0.10	0.08
77,83,86	261.5	0.03	0.12	0.03	80,80,86	0.0	0.0	0.0	0,0,0			
	523.0	0.05	0.17	0.04	79,77,86	0.0	0.0	0.0	0,0,0			
182	0.0	0.15	0.41	0.14	82,78,86	0.0	0.0	0.0	0,0,0	-0.31	-0.24	-0.23
78,84,86	340.8	0.15	0.34	0.15	78,78,86	0.08	0.0	0.0	78,0,0			
183	0.0	0.20	0.73	0.21	78,78,86	0.21	0.19	0.18	78,84,86	-1.11	-0.95	-0.89
78,84,86	340.8	0.23	0.75	0.24	78,78,86	0.22	0.19	0.18	78,84,86			
184	0.0	0.18	0.71	0.19	78,78,86	0.20	0.18	0.17	78,84,86	-1.18	-1.03	-0.93
78,84,86	340.8	0.22	0.77	0.23	78,78,86	0.23	0.20	0.19	78,84,86			
185	0.0	0.18	0.71	0.19	78,78,86	0.20	0.18	0.17	78,84,86	-1.18	-1.03	-0.93
78,84,86	340.8	0.22	0.77	0.23	78,78,86	0.23	0.20	0.19	78,84,86			
186	0.0	0.20	0.73	0.21	78,78,86	0.21	0.19	0.18	78,84,86	-1.11	-0.95	-0.89
78,84,86	340.8	0.23	0.75	0.24	78,78,86	0.22	0.19	0.18	78,84,86			
187	0.0	0.15	0.41	0.14	82,78,86	0.0	0.0	0.0	0,0,0	-0.31	-0.24	-0.23
78,84,86	340.8	0.15	0.34	0.15	78,78,86	0.08	0.0	0.0	78,0,0			
188	0.0	0.13	0.23	0.13	82,82,86	0.0	0.0	0.0	0,0,0	-0.05	-0.04	-0.04
77,83,86	175.5	0.03	0.03	0.02	81,81,86	0.0	0.0	0.0	0,0,0			
	350.9	0.05	0.06	0.01	82,82,86	0.0	0.0	0.0	0,0,0			

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189	0.0	0.21	0.30	0.18	78,78,86	0.06	0.0	0.0	78,0,0	-0.57	-0.32	-0.22
78,84,86	350.9	0.14	0.21	0.11	78,78,86	0.0	0.0	0.0	0,0,0			
190	0.0	0.20	0.28	0.17	78,78,86	0.06	0.0	0.0	78,0,0	-0.61	-0.37	-0.28
78,84,86	350.9	0.12	0.17	0.09	78,78,86	0.0	0.0	0.0	0,0,0			
191	0.0	0.20	0.28	0.17	78,78,86	0.06	0.0	0.0	78,0,0	-0.61	-0.37	-0.28
78,84,86	350.9	0.12	0.17	0.09	78,78,86	0.0	0.0	0.0	0,0,0			
192	0.0	0.21	0.30	0.18	78,78,86	0.06	0.0	0.0	78,0,0	-0.57	-0.32	-0.22
78,84,86	350.9	0.14	0.21	0.11	78,78,86	0.0	0.0	0.0	0,0,0			
193	0.0	0.13	0.23	0.13	82,82,86	0.0	0.0	0.0	0,0,0	-0.05	-0.04	-0.04
77,83,86	175.5	0.03	0.03	0.02	81,81,86	0.0	0.0	0.0	0,0,0			
	350.9	0.05	0.06	0.01	82,82,86	0.0	0.0	0.0	0,0,0			
196	0.0	0.06	0.13	0.06	80,80,86	0.0	0.0	0.0	0,0,0	-0.16	-0.11	-0.11
77,83,86	261.5	0.08	0.23	0.10	79,80,86	0.0	0.0	0.0	0,0,0			
	523.0	0.03	0.05	0.02	79,79,86	0.0	0.0	0.0	0,0,0			
197	0.0	0.05	0.10	0.05	80,80,86	0.0	0.0	0.0	0,0,0	-0.09	-0.09	-0.09
77,83,86	254.0	0.08	0.24	0.10	79,81,86	0.0	0.0	0.0	0,0,0			
	508.0	0.04	0.07	0.03	79,79,86	0.0	0.0	0.0	0,0,0			
198	0.0	0.05	0.09	0.04	80,80,86	0.0	0.0	0.0	0,0,0	-0.09	-0.09	-0.09
79,83,86	254.0	0.06	0.15	0.09	79,81,86	0.0	0.0	0.0	0,0,0			
	508.0	0.05	0.09	0.04	79,79,86	0.0	0.0	0.0	0,0,0			
199	0.0	0.04	0.07	0.03	80,80,86	0.0	0.0	0.0	0,0,0	-0.09	-0.09	-0.09
79,85,86	254.0	0.08	0.24	0.10	80,81,86	0.0	0.0	0.0	0,0,0			
	508.0	0.05	0.10	0.05	79,79,86	0.0	0.0	0.0	0,0,0			
200	0.0	0.03	0.05	0.02	80,80,86	0.0	0.0	0.0	0,0,0	0.16	0.11	-0.11
77,83,86	261.5	0.08	0.23	0.10	80,79,86	0.0	0.0	0.0	0,0,0			
	523.0	0.06	0.13	0.06	79,79,86	0.0	0.0	0.0	0,0,0			
201	0.0	0.03	0.09	0.02	80,80,86	0.0	0.0	0.0	0,0,0	-0.12	-0.09	-0.09
81,83,86	261.5	0.04	0.17	0.05	79,79,86	0.0	0.0	0.0	0,0,0			
	523.0	0.02	0.07	9.35e-03	79,79,86	0.0	0.0	0.0	0,0,0			
202	0.0	0.03	0.09	0.02	80,80,86	0.0	0.0	0.0	0,0,0	-0.04	-0.04	-0.04
81,84,86	254.0	0.04	0.13	0.05	81,78,86	0.0	0.0	0.0	0,0,0			
	508.0	0.02	0.07	0.02	79,79,86	0.0	0.0	0.0	0,0,0			
203	0.0	0.03	0.08	0.02	80,80,86	0.0	0.0	0.0	0,0,0	-0.04	-0.04	-0.04
79,83,86	254.0	0.03	0.13	0.04	81,78,86	0.0	0.0	0.0	0,0,0			
	508.0	0.03	0.08	0.02	79,79,86	0.0	0.0	0.0	0,0,0			
204	0.0	0.02	0.07	0.02	80,80,86	0.0	0.0	0.0	0,0,0	0.04	-0.04	-0.04
81,84,86	254.0	0.04	0.13	0.05	81,78,86	0.0	0.0	0.0	0,0,0			
	508.0	0.03	0.09	0.02	79,79,86	0.0	0.0	0.0	0,0,0			
205	0.0	0.02	0.07	9.35e-03	80,80,86	0.0	0.0	0.0	0,0,0	0.12	0.09	0.09
81,83,86	261.5	0.04	0.17	0.05	80,80,86	0.0	0.0	0.0	0,0,0			
	523.0	0.03	0.09	0.02	79,79,86	0.0	0.0	0.0	0,0,0			
206	0.0	0.07	0.17	0.08	80,80,86	0.0	0.0	0.0	0,0,0	-0.27	-0.22	-0.21
78,84,86	523.0	0.03	0.08	0.04	79,79,86	0.0	0.0	0.0	0,0,0			
	0.0	0.06	0.13	0.06	80,80,86	0.0	0.0	0.0	0,0,0	-0.15	-0.15	-0.15
207	508.0	0.05	0.11	0.06	79,79,86	0.0	0.0	0.0	0,0,0			
77,84,86	0.0	0.06	0.12	0.06	80,80,86	0.0	0.0	0.0	0,0,0	-0.15	-0.15	-0.15
	508.0	0.06	0.12	0.06	79,79,86	0.0	0.0	0.0	0,0,0			
208	0.0	0.05	0.11	0.06	80,80,86	0.0	0.0	0.0	0,0,0	-0.15	-0.15	-0.15
79,83,86	508.0	0.06	0.12	0.06	79,79,86	0.0	0.0	0.0	0,0,0			
	0.0	0.05	0.11	0.06	80,80,86	0.0	0.0	0.0	0,0,0	-0.15	-0.15	-0.15
209	0.0	0.05	0.11	0.06	80,80,86	0.0	0.0	0.0	0,0,0	-0.15	-0.15	-0.15

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79,85,86												
	508.0	0.06	0.13	0.06	79,79,86	0.0	0.0	0.0	0,0,0			
210	0.0	0.03	0.08	0.04	80,80,86	0.0	0.0	0.0	0,0,0	0.27	0.22	0.21
78,84,86												
	523.0	0.07	0.17	0.08	79,79,86	0.0	0.0	0.0	0,0,0			
211	0.0	0.15	0.35	0.16	81,81,86	0.08	0.0	0.0	81,0,0	-0.31	-0.24	-0.23
78,84,86												
	340.8	0.14	0.32	0.14	78,78,86	0.07	0.0	0.0	78,0,0			
212	0.0	0.26	0.75	0.27	78,78,86	0.22	0.19	0.18	78,84,86	-1.11	-0.95	-0.89
78,84,86												
	340.8	0.22	0.64	0.22	78,78,86	0.17	0.14	0.13	78,84,86			
213	0.0	0.26	0.78	0.28	78,78,86	0.23	0.21	0.19	78,84,86	-1.18	-1.03	-0.93
78,84,86												
	340.8	0.22	0.64	0.21	78,78,86	0.17	0.15	0.13	78,84,86			
214	0.0	0.26	0.78	0.28	78,78,86	0.23	0.21	0.19	78,84,86	-1.18	-1.03	-0.93
78,84,86												
	340.8	0.22	0.64	0.21	78,78,86	0.17	0.15	0.13	78,84,86			
217	0.0	0.02	0.01	0.02	78,78,86	0.0	0.0	0.0	0,0,0	-0.07	-0.05	-0.05
81,84,86												
	75.0	0.03	0.03	0.03	78,78,86	0.0	0.0	0.0	0,0,0			
218	0.0	0.03	0.02	0.04	78,78,86	0.0	0.0	0.0	0,0,0	-0.14	-0.12	-0.11
78,84,86												
	75.0	0.06	0.07	0.06	78,78,86	0.0	0.0	0.0	0,0,0			
219	0.0	0.03	0.02	0.04	78,78,86	0.0	0.0	0.0	0,0,0	-0.16	-0.13	-0.12
78,84,86												
	75.0	0.06	0.06	0.06	78,78,86	0.0	0.0	0.0	0,0,0			
220	0.0	0.03	0.02	0.04	78,78,86	0.0	0.0	0.0	0,0,0	-0.16	-0.13	-0.12
78,84,86												
	75.0	0.06	0.06	0.06	78,78,86	0.0	0.0	0.0	0,0,0			
221	0.0	0.03	0.02	0.04	78,78,86	0.0	0.0	0.0	0,0,0	-0.14	-0.12	-0.11
78,84,86												
	75.0	0.06	0.07	0.06	78,78,86	0.0	0.0	0.0	0,0,0			
222	0.0	0.02	0.01	0.02	78,78,86	0.0	0.0	0.0	0,0,0	-0.07	-0.05	-0.05
81,84,86												
	75.0	0.03	0.03	0.03	78,78,86	0.0	0.0	0.0	0,0,0			
Trave		rRfck	rRfyk	rPfck		wR	wF	wP		dR	dF	dP
		0.26	0.78	0.28		0.23	0.21	0.19		-1.18	-1.03	-0.93
										0.46	0.37	0.35

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STATO LIMITE D' ESERCIZIO: SLD DANNO SISMICO

LEGENDA TABELLA STATI LIMITE DI DANNO (VERIFICHE RES)

Le verifiche RES per SLD sono effettuate in accordo alle Norme Tecniche 17 Gennaio 2018 e alla circolare n.7 del 21 gennaio 2019 nonché alle linee guida del Consiglio Superiore LL.PP. "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".

Le verifiche RES per SLD, sono riportate nelle successive tabelle nella forma di rapporto "domanda" su "capacità" e hanno esito positivo quando il rapporto è non superiore al valore unitario.

La "domanda" è ottenuta direttamente dall'analisi per le previste combinazioni SLD (NTC18 2.5.3. COMBINAZIONI DELLE AZIONI formula [2.5.5]).

Per "capacità" si intende qui il valore della sollecitazione corrispondente al raggiungimento dello stato limite di danno per la sezione: per la resistenza flessionale questo stato limite si identifica con la tensione di snervamento dell'acciaio o la resistenza massima a compressione per il calcestruzzo e la muratura. Lo stato limite di danno si ritiene attinto anche in caso di superamento della resistenza a taglio.

Le resistenze flessionali sono valutate utilizzando i legami costitutivi del materiale limitati al solo tratto elastico, ottenendo così resistenze sostanzialmente elastiche come previsto dalla norma.

La seguente tabella identifica per quali configurazioni (materiale nuovo, esistente, con rinforzi e metodo di analisi) sono state condotte le verifiche di seguito riportate.

Configurazione	Verifica SLD	NOTE
1) c.a. nuovo e esist. Verifica SLU con $q > 1$	Verifica N/M SE Verifica V/T	Sono verifiche per struttura non dissipativa condotte secondo il cap.4 NTC18 in regime sostanzialmente elastico; si verificano travi, pilastri, setti e gusci.
2) Muratura nuova Verifica SLU con $q > 1$	Verifica N/M SE Verifica V	Per N/M identificato SL elastico, per V formulazione secondo cap.7
3) Muratura esis. AO Verifica SLU con $q > 1$	Verifica N/M SE Verifica V	Per N/M identificato SL elastico, per V formulazione secondo cap. 7 e 8
4) Muratura esis. PO Verifica SLU con $q > 1$	Verifica N/M SE Verifica V	Per N/M identificato SL elastico, per V formulazione secondo cap. 7 e 8; Anche per rinforzi FRP è prevista verifica N/M SE e V

Simbologia adottata nelle tabelle di verifica

Per le verifiche agli SLD di pilastri, travi setti e gusci in c.a. è presente una tabella con i simboli di seguito descritti:

Pilas./Trave/ Setto/Guscio	numero identificativo dell'elemento D2 o D3
Stato	Codici relativi all'esito delle verifiche effettuate appresso descritte
Pos.	Posizione nell'elemento della sezione per la quale si riporta la verifica
V N/M	Verifica a pressoflessione con rapporto Ed/Rd: valore minore o uguale a 1 per verifica positiva
V V/T cls	Verifica a taglio/torsione con rapporto Ved/Vrd lato cls: valore minore o uguale a 1 per verifica positiva
V V/T acc	Verifica a taglio/torsione con rapporto Ved/Vrd lato acciaio: valore minore o uguale a 1 per verifica positiva
Rif. cmb.	Riferimento combinazioni da cui si generano le verifiche più gravose per il pilastro

Per le verifiche agli SLD di maschi e fasce in muratura. è presente una tabella con i simboli di seguito descritti:

Setto/Fascia/Elem.	numero del macroelemento (D3) o elemento (D2) considerato
Mat.	Materiale
s,m=	Indice della sezione e del materiale assegnati all' elemento (per D2)
Spessore	spessore dell'elemento

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Stato	ok	elemento verificato (SLD)
	NV	elemento non verificato (SLD)

e a seguire:

Nodo/Pos.	numero del nodo appartenente al setto / posizione relativa al nodo I per D2
h0/t	valore della snellezza convenzionale
P/Ap	tensione verticale media utilizzata per la verifica a pressoflessione nel piano del muro
P/Acv	tensione verticale media nella parte compressa, utilizzata nella verifica a taglio nel piano del muro
Ver. Mp	rapporto tra il momento di progetto e il momento Mrd in relazione alla verifica Par. 7.8.2.2.1 (pressoflessione complanare) effettuato per tutte le combinazioni
Ver. V	rapporto il taglio di progetto e il taglio ultimo in relazione alla verifica Par. 7.8.2.2.2 (taglio complanare) o C8.7.1.16 della circolare 21-01-19 per edifici esistenti effettuato per tutte le combinazioni
	Per travi in muratura:
Ver. V	rapporto tra il taglio di progetto e il minore dei tagli resistenti Vp e Vt in relazione alla verifica del par. 7.8.2.2.3
Rif. cmb	Combinazioni in cui si hanno i massimi valori dei rapporti Ver. Mp, Ver. V

Per elementi consolidati secondo il paragrafo C8.5.3.1 il programma opera come per gli elementi non rinforzati, considerando ai fini delle analisi e delle verifiche gli opportuni coefficienti correttivi delle rigidezze e delle resistenze.

Per elementi consolidati con fibrorinforzi il programma implementa le verifiche previste dalle "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" approvate dal CSLPP il 24/07/2009. Per questi elementi vengono effettuate le verifiche di resistenza previste al cap. 4.4.1.2 "Verifiche per azioni nel piano del pannello". Per semplicità la simbologia adottata nelle tabelle è uniformata a quella degli elementi non rinforzati. Le tabelle riportano inoltre i seguenti parametri:

Fibra	Tipo di fibra del fibrorinforzo
E frp	Modulo elastico del fibrorinforzo
epsr	Dilatazione di rottura del fibrorinforzo
epsd	Dilatazione di calcolo
epsd(s)	Dilatazione di calcolo per combinazioni sismiche
Spess.	Spessore del fibrorinforzo, il programma prevede l'applicazione di uno strato di spessore s su entrambe le facce della parete (o sui quattro lati della sezione in caso di confinamento)
AO frp	Area orizzontale complessiva di fibrorinforzo per metro lineare
AV frp	Area verticale complessiva di fibrorinforzo per metro lineare

Affinché l'elemento sia verificato deve essere:

V.Mp, Ver.V	non superiore a 1
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TABELLA VERIFICHE ELEMENTI D2 PILASTRI C.A.

Pilas. cmb	Stato	Pos.	V N/M	V V/T cls	V V/T acc	Rif. cmb	Pos.	V N/M	V V/T cls	V V/T accRif.
15	ok	cm 0.0	0.63	0.32	0.14	57,54,54	cm 167.5	0.17	0.32	0.41
57,54,54		335.0	0.16	0.32	0.14	57,54,54				
16	ok	0.0	0.50	0.28	0.11	57,54,54	251.5	0.13	0.28	0.34
73,54,54		503.0	0.63	0.28	0.11	57,54,54				
17	ok	0.0	0.62	0.33	0.14	57,54,54	167.5	0.17	0.33	0.42
57,54,54		335.0	0.16	0.33	0.14	53,54,54				
18	ok	0.0	0.51	0.29	0.12	54,54,54	251.5	0.12	0.29	0.36
57,54,54		503.0	0.63	0.29	0.12	57,54,54				
19	ok	0.0	0.62	0.33	0.14	55,60,60	167.5	0.17	0.33	0.42

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55,60,60										
20	ok	335.0 0.0	0.16 0.51	0.33 0.29	0.14 0.12	59,60,60 60,60,60	251.5	0.12	0.29	0.36
55,60,60										
21	ok	503.0 0.0	0.63 0.63	0.29 0.32	0.12 0.14	55,60,60 55,60,60	167.5	0.17	0.32	0.41
55,60,60										
22	ok	335.0 0.0	0.16 0.50	0.32 0.28	0.14 0.11	55,60,60 55,60,60	251.5	0.13	0.28	0.34
67,60,60										
23	ok	503.0 0.0	0.63 0.70	0.28 0.28	0.11 0.12	55,60,60 51,53,56	225.0	0.12	0.28	0.35
52,59,56										
24	ok	450.0 0.0	0.35 0.46	0.28 0.28	0.12 0.11	51,59,56 51,55,55	194.0	0.16	0.28	0.32
51,55,55										
25	ok	388.0 0.0	0.61 0.72	0.28 0.29	0.11 0.12	51,55,55 51,53,59	225.0	0.13	0.29	0.35
50,53,59										
26	ok	450.0 0.0	0.36 0.47	0.29 0.28	0.12 0.11	49,53,59 51,55,55	194.0	0.16	0.28	0.32
51,55,55										
27	ok	388.0 0.0	0.61 0.72	0.28 0.29	0.11 0.12	51,55,55 45,59,53	225.0	0.13	0.29	0.35
48,59,53										
28	ok	450.0 0.0	0.36 0.47	0.29 0.28	0.12 0.11	47,59,53 45,57,57	194.0	0.16	0.28	0.32
45,57,57										
29	ok	388.0 0.0	0.61 0.70	0.28 0.28	0.11 0.12	45,57,57 45,59,58	225.0	0.12	0.28	0.35
46,53,58										
30	ok	450.0 0.0	0.35 0.46	0.28 0.28	0.12 0.11	45,53,58 45,57,57	194.0	0.16	0.28	0.32
45,57,57										
31	ok	388.0 0.0	0.61 0.63	0.28 0.23	0.11 0.09	45,57,57 73,68,65	167.5	0.34	0.23	0.27
73,68,65										
32	ok	335.0 0.0	0.29 0.55	0.23 0.23	0.09 0.09	76,68,65 76,67,67	251.5	0.13	0.23	0.27
73,67,67										
33	ok	503.0 0.0	0.68 0.70	0.24 0.28	0.09 0.12	76,67,67 71,65,65	167.5	0.29	0.28	0.37
73,65,65										
34	ok	335.0 0.0	0.06 0.22	0.28 0.26	0.12 0.11	59,65,65 76,53,65	115.0	0.24	0.26	0.11
55,53,65										
35	ok	0.0	0.70	0.28	0.12	61,75,75	167.5	0.29	0.28	0.37
67,75,75										
36	ok	335.0 0.0	0.06 0.22	0.28 0.26	0.12 0.11	53,75,75 66,59,75	115.0	0.24	0.26	0.11
57,59,75										
37	ok	0.0	0.63	0.23	0.09	67,74,75	167.5	0.34	0.23	0.27
67,74,75										
38	ok	335.0 0.0	0.29 0.55	0.23 0.23	0.09 0.09	66,74,75 66,73,73	251.5	0.13	0.23	0.27
67,73,73										
39	ok	503.0 0.0	0.68 0.63	0.24 0.34	0.09 0.11	66,73,73 76,57,73	167.5	0.13	0.34	0.34
60,57,73										
40	ok	335.0 0.0	0.30 0.66	0.34 0.26	0.11 0.10	76,57,73 70,76,76	251.5	0.11	0.26	0.29
60,76,76										
41	ok	503.0 0.0	0.69 0.64	0.26 0.33	0.10 0.10	76,76,76 73,45,71	167.5	0.12	0.33	0.29
57,45,71										
		335.0	0.32	0.33	0.10	73,45,71				

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42 60,73,73	ok	0.0	0.63	0.24	0.09	73,57,73	251.5	0.15	0.24	0.28
43 54,55,67	ok	503.0 0.0	0.63 0.63	0.24 0.34	0.09 0.11	73,57,73 66,55,67	167.5	0.13	0.34	0.34
44 54,66,66	ok	335.0 0.0	0.30 0.66	0.34 0.26	0.11 0.10	66,55,67 64,66,66	251.5	0.11	0.26	0.29
45 55,51,61	ok	503.0 0.0	0.69 0.64	0.26 0.33	0.10 0.10	66,66,66 67,51,61	167.5	0.12	0.33	0.29
46 54,67,67	ok	335.0 0.0	0.32 0.63	0.33 0.24	0.10 0.09	67,51,61 67,55,67	251.5	0.15	0.24	0.28
170 71,60,55	ok	503.0 0.0	0.63 0.68	0.24 0.30	0.09 0.10	67,55,67 48,60,55	189.0	0.06	0.30	0.29
171 51,60,55	ok	378.0 0.0	0.49 0.69	0.30 0.30	0.10 0.10	48,60,55 48,60,55	189.0	0.06	0.30	0.29
172 45,54,57	ok	378.0 0.0	0.50 0.69	0.30 0.30	0.10 0.10	48,60,55 50,54,57	189.0	0.06	0.30	0.29
173 73,70,70	ok	378.0 0.0	0.50 0.72	0.30 0.30	0.10 0.13	50,54,57 70,70,70	189.0	0.14	0.30	0.39
174 61,54,57	ok	378.0 0.0	0.38 0.68	0.30 0.30	0.13 0.10	70,70,70 50,54,57	189.0	0.06	0.30	0.29
175 50,65,65	ok	378.0 0.0	0.49 0.66	0.30 0.22	0.10 0.08	50,54,57 71,65,65	212.3	0.06	0.22	0.25
176 48,53,65	ok	424.5 0.0	0.52 0.60	0.22 0.23	0.08 0.09	71,65,65 71,53,65	212.3	0.06	0.23	0.26
177 48,75,75	ok	424.5 0.0	0.45 0.58	0.23 0.22	0.09 0.08	71,53,65 71,75,75	212.3	0.07	0.22	0.25
178 50,65,65	ok	424.5 0.0	0.43 0.58	0.22 0.22	0.08 0.08	71,75,75 61,65,65	212.3	0.07	0.22	0.25
179 50,59,75	ok	424.5 0.0	0.43 0.60	0.22 0.23	0.08 0.09	61,65,65 61,59,75	212.3	0.06	0.23	0.26
180 48,75,75	ok	424.5 0.0	0.45 0.66	0.23 0.22	0.09 0.08	61,59,75 61,75,75	212.3	0.06	0.22	0.25
181 67,64,64	ok	424.5 0.0	0.52 0.72	0.22 0.30	0.08 0.13	61,75,75 64,64,64	189.0	0.14	0.30	0.39
194 75,66,66	ok	378.0 0.0	0.38 0.59	0.30 0.34	0.13 0.15	64,64,64 71,66,66	194.0	0.09	0.34	0.44
195 65,76,76	ok	388.0 0.0	0.63 0.59	0.34 0.34	0.15 0.15	75,66,66 61,76,76	194.0	0.09	0.34	0.44
		388.0	0.63	0.34	0.15	65,76,76				
Pilas.			V N/M 0.72	V V/T cls 0.34	V V/T acc 0.44		V N/M	V V/T cls	V V/T acc	