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di approvazione regionale L. 24 / 87

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PROGETTO PER LA TRASFORMAZIONE URBANISTICA DEI CANTIERI NAVALI RODRIQUEZ IN UN PORTO TURISTICO CON ANNESSE STRUTTURE PUBBLICHE, RICETTIVE, RESIDENZIALI E PRODUTTIVE



PROGETTO DEFINITIVO

PROGETTO STRUTTURALE

ALBERGO

OPERA	FASE	SETTORE	TAVOLA N°	REV	FILE
OA	PD	ST	D101		

Rif. Dis.	Data	Rev.	DESCRIZIONE	SCALA
	GIUGNO 2012	0	CALCOLI STRUTTURALI	

INDICE

1 PREMESSE 5

2 NORMATIVA DI RIFERIMENTO E RIFERIMENTI BIBLIOGRAFICI 6

2.1 Normativa emessa dallo stato italiano 6
2.2 Normativa emessa da enti pubblici 6
2.3 Riferimenti bibliografici 7

3 PROGRAMMI PER L'ANALISI AUTOMATICA 8

4 CARATTERISTICHE DEI MATERIALI 8

4.1 Calcestruzzo per getti in opera elevazioni Rck ≥ 40 N/mm2 8
4.2 Calcestruzzo per getti in opera parti interrate Rck ≥ 45 N/mm2 8
4.3 Calcestruzzo magro per sottofondazioni Rck ≥ 15 N/mm2 9
4.4 Acciaio ordinario per armatura lenta B450C 9

5 CARATTERIZZAZIONE GEOTECNICA 10

5.1 Caratterizzazione dei terreni 10

6 CRITERI DI VERIFICA 13

6.1 Verifiche agli Stati Limite Ultimi 13
6.1.1 Verifica per sollecitazioni di presso/tenso-flessione 13
6.1.2 Verifica per sollecitazione tagliante 13
6.2 Verfifiche agli Stati Limite di esercizio 14
6.3 Verifiche a fessurazione 14
6.3.1 Premessa 14
6.3.2 Valutazione della distanza media tra le fessure 15
6.3.3 Valutazione della deformazione media delle barre d'armatura 16
6.3.4 Valutazione dell'ampiezza delle fessure (valore medio e valore di calcolo) 17

7 CALCOLO DELLA CAPACITÀ PORTANTE DEI PALI E CURVA DI MOBILITAZIONE. 17

7.1 Descrizione dei metodi di calcolo utilizzati 17
7.1.1 Descrizione del metodo di calcolo utilizzato per la portata di base. 17
7.1.2 Descrizione del metodo di calcolo utilizzato per il modulo di reazione orizzontale. 18
7.1.3 Descrizione del metodo di calcolo utilizzato per la resistenza trasversale laterale. 18

8 ANALISI DEI CARICHI 19

8.1 Peso proprio 19
8.2 Carichi Permanenti 19
8.2.1 Permanenti sulla fondazione 19
8.2.2 Permanenti sui solai di piano 19
8.3 Carichi Variabili 19
8.3.1 Variabili zona commerciale 19
8.3.2 Variabili abitazioni 19
8.3.3 Variabili copertura 19
8.4 Azione della neve 19
8.5 Azione sismica 20
8.5.1.1 Componenti orizzontali 22
8.5.1.2 Componente verticale 23
8.5.2 Fattore di struttura 23
8.5.3 Spettri di progetto per gli Stati Limite di Esercizio 24
8.5.4 Spettri di progetto per gli Stati Limite Ultimi 25
8.5.5 Combinazione dell'azione sismica con le altre azioni 26
8.5.6 Analisi dinamica lineare 26
8.5.6.1 Modi di vibrare della struttura 26
8.6 Azione del vento 27

9 QUADRO DELLE COMBINAZIONI ADOTTATE 30

10 MODELLO DI CALCOLO 31

11 RISULTATI DELLE ANALISI 32

11.1 Verifica pilastrata 32
11.2 Verifica travata 33
11.3 Verifica platea di fondazione 36
11.4 Verifica pali di fondazione 78
11.4.1 Stratigrafia 79
11.4.2 Calcolo della portata di base. 79
11.4.3 Calcolo della portata laterale. 79
11.4.4 Portata totale (base + laterale) 80
11.4.5 Calcolo del modulo di reazione orizzontale. 81
11.4.6 Calcolo della resistenza trasversale laterale. 81
11.4.7 Curva di mobilitazione verticale 82
11.4.8 Calcolo delle sollecitazioni 83
11.4.8.1 Casi a SLU 83
11.4.8.2 Casi a SLE 87
11.4.9 Verifiche geotecniche. 98
11.4.9.1 Verifica: Capacità portante 98
11.4.9.2 Verifica: Cedimento 100
11.4.9.3 Verifica: Resistenza trasversale 102
11.4.10 Verifiche strutturali. 104
11.4.10.1 Verifica: Spostamento orizzontale 104
11.4.10.2 Verifica: C.A.: pressoflessione 105
11.4.10.3 Verifica: C.A.: taglio 107
11.4.10.4 Verifica: C.A.: Tens. limite cls 109
11.4.10.5 Verifica: C.A.: Tens. limite acciaio 111
11.4.10.6 Verifica: C.A.: apertura fessure 113
11.4.10.7 Verifica: C.A.: % arm. longitudinale 115

1 PREMESSE

La presente relazione riporta e commenta l'analisi di dimensionamento dell'albergo, opera prevista nel quadro di realizzazione del progetto definitivo per la trasformazione urbanistica e produttiva dei Cantieri Navali Rodriquez a Pietra Ligure, con annesse strutture pubbliche, ricettive, residenziali e portuali diportistiche.
Si tratta di una struttura in cemento armato, composta da telai spaziali e setti strutturali. Al piano terra è situata la zona della hall e di ristorazione, ai piani superiori si trovano invece le stanze. I pilastri del piano terra sono per lo più circolari di diametro 50cm, ai piani superiori presentane sezione da 50cmx30cm a 30cmx30cm all'ultimo piano. La travi spaziali, di sezioni principalmente 40cmx40cm e 60cmx40cm, in entrambe le direzioni consentono una corretta distribuzione delle forze sismiche. Vi sono inoltre i vani scala/ascensori con pareti di spessore 30 cm e dei setti strutturali che migliorano il comportamento dinamico della struttura. La fondazione della struttura è stata realizzata mediante platea su pali, al fine di raggiungere migliori caratteristiche di resistenza.



In base alla nuova normativa sismica contenuta nelle *"Norme Tecniche per le Costruzioni"*, si attribuisce all'opera una vita nominale di 50 anni (tipo di costruzione 2: opere ordinarie, ponti, opere infrastrutturali e dighe di dimensioni contenute o di importanza normale) ed una classe d'uso III: il periodo di riferimento per l'azione sismica risulta pertanto pari a 75 anni.

Per ulteriori dettagli si rimanda agli elaborati grafici di progetto.

2 NORMATIVA DI RIFERIMENTO E RIFERIMENTI BIBLIOGRAFICI

I calcoli sviluppati nel seguito sono stati svolti nello spirito del metodo *"agli Stati Limite"* e nel rispetto della normativa vigente; in particolare si sono osservate le prescrizioni contenute nelle seguenti normative.

2.1 Normativa emessa dallo stato italiano

- Ministero delle Infrastrutture - D.M. 14/01/2008: "Nuove norme tecniche per le costruzioni";

  Legge n.1086 del 05/11/1971: "Norme per la disciplina delle opere di conglomerato cementizio armato, normale e precompresso ed a struttura metallica";

- Legge n.64 del 02/02/1974: "Provvedimenti per le costruzioni con particolari prescrizioni per le zone sismiche";

  Circ.Min. n°617 del 02/02/2009: "Istruzioni per l'applicazione delle Norme tecniche per le costruzioni di cui al D.M. 14 gennaio 2008";

- Consiglio Superiore dei Lavori Pubblici - Servizio Tecnico Centrale (febbraio 2008): "Linee guida per la messa in opera del calcestruzzo strutturale e per la valutazione delle caratteristiche meccaniche del calcestruzzo indurito mediante prove non distruttive";

- Ministero dei LL.PP. - D.M. 11/03/1988: "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";

  Ministero dei LL.PP. - Circ. n°30483 del 24/09/1988: Istruzioni per l'applicazione delle "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".

2.2 Normativa emessa da enti pubblici

- **CNR-10016/2000:** "Travi composte in acciaio e calcestruzzo: istruzioni per l'impiego nelle costruzioni";

  CNR-10011/97: "Costruzioni in acciaio: Istruzioni per il calcolo, l'esecuzione, il collaudo, la manutenzione";

- **CNR-10030/87:** "Anime irrigidite di travi a parete piena";

  CNR-10018/85: "Apparecchi d'appoggio in gomma e PTFE nelle costruzioni: Istruzioni per il calcolo e l'impiego";

- **CNR-DT 207/2008:** "Istruzioni per la valutazione delle azioni e degli effetti del vento sulle costruzioni";

- **UNI EN 197-1:** "Cemento - Composizione, specificazioni e criteri di conformità per cementi comuni.

  UNI EN 206-1: "Calcestruzzo - Specificazioni, prestazioni, produzione e conformità".

- **UNI 11104/2004:** "Calcestruzzo - Specificazione, prestazione, produzione e conformità – Istruzioni complementari per l'applicazione della EN 206-1".

2.3 Riferimenti bibliografici

Castellani: **Costruzioni in zona sismica**
Masson Italia Editori 1983

Migliacci – F. Mola: **Progetto agli stati limite delle strutture in c.a.**
Masson Italia Editori 1985

C. Cestelli Guidi: **Geotecnica e tecnica delle fondazioni**
Ulrico Hoepli Editore 1987

R. Lancellotta: **Geotecnica**
Edizioni Zanichelli 1987

Ballio G., Mazzolani F.M.**Strutture in acciaio** *Ulrico Hoepli Editore – 2000*

Bowles J.E.: **Fondation Analysis and Design 4th edition**
McGraw-Hill – New York, 1988

Edward L. Wilson: **Three dimensional Static and Dynamic Analysis of Structures**
A physical approach with emphasis on earthquake engineering
CSI Berkeley CA, USA 1998

3 PROGRAMMI PER L'ANALISI AUTOMATICA

CDM DOLMEN e omnia IS rel. 11.0.0
Programma di calcolo ad elementi finiti monodimensionali, bidimensionali e tridimensionali, strutturale e geotecnico.

4 CARATTERISTICHE DEI MATERIALI

4.1 Calcestruzzo per getti in opera elevazioni Rck ≥ 40 N/mm2

Classe di esposizione	XS1
Rapporto massimo acqua/cemento	0.50
Classe di resistenza	C32/40
Contenuto minimo di cemento	340
Tipo di cemento	CEM I÷II
Slump	S4
Diametro massimo inerte	16 mm

Classe di Resistenza					**C32/40**	
Resistenza caratteristica a compressione cubica	R_{ck}	=			**40.00**	N/mm^2
Resistenza caratteristica a compressione cilindrica	f_{ck}	=	$0.83 \times R_{ck}$	=	33.20	N/mm^2
Resistenza media a compressione cilindrica	f_{cm}	=	$f_{ck}+8$	=	41.20	N/mm^2
Modulo elastico	E_c	=	$22000 \cdot (f_{cm}/10)^{0.3}$	=	33642.78	N/mm^2
Resistenza a trazione semplice	f_{ctm}	=	$0.30 \times f_{ck}^{2/3}$	=	3.10	N/mm^2
Resistenza a trazione caratteristica (frattile 5%)	f_{ctk}	=	$0.70 \times f_{ctm}$	=	2.17	N/mm^2
Stato Limite Ultimo						
Coefficiente parziale di sicurezza	γ_C	=			1.50	--
Coefficiente riduttivo per resistenze di lunga durata	α_{cc}	=			0.85	--
Resistenza a compressione di calcolo	f_{cd}	=	$\alpha_{cc} \times f_{ck}/\gamma_C$	=	18.81	N/mm^2
Resistenza a trazione di calcolo	f_{ctd}	=	f_{ctk}/γ_C	=	1.45	N/mm^2
Stato Limite di Esercizio						
Tensione max di compressione - Comb. rara	σ_c	<	$0.60 \times f_{ck}$	=	19.92	N/mm^2
Tensione max di compressione - Comb. quasi permanente	σ_c	<	$0.45 \times f_{ck}$	=	14.94	N/mm^2

4.2 Calcestruzzo per getti in opera parti interrate Rck ≥ 45 N/mm2

Classe di esposizione	XS2
Rapporto massimo acqua/cemento	0.45
Classe di resistenza	C35/45
Contenuto minimo di cemento	360
Tipo di cemento	CEM I÷II
Slump	S4
Diametro massimo inerte	16 mm

Classe di Resistenza					**C35/45**	
Resistenza caratteristica a compressione cubica	R_{ck}	=			**45.00**	N/mm^2
Resistenza caratteristica a compressione cilindrica	f_{ck}	=	$0.83 \times R_{ck}$	=	37.35	N/mm^2
Resistenza media a compressione cilindrica	f_{cm}	=	$f_{ck}+8$	=	45.35	N/mm^2
Modulo elastico	E_c	=	$22000 \cdot (f_{cm}/10)^{0.3}$	=	34625.49	N/mm^2
Resistenza a trazione semplice	f_{ctm}	=	$0.30 \times f_{ck}^{2/3}$	=	3.35	N/mm^2
Resistenza a trazione caratteristica (frattile 5%)	f_{ctk}	=	$0.70 \times f_{ctm}$	=	2.35	N/mm^2
Stato Limite Ultimo						
Coefficiente parziale di sicurezza	γ_C	=			1.50	--

Coefficiente riduttivo per resistenze di lunga durata	α_{cc}	=		0.85	--
Resistenza a compressione di calcolo	f_{cd}	=	$\alpha_{cc} \cdot f_{ck} / \gamma_C$	= 21.17	N/mm^2
Resistenza a trazione di calcolo	f_{ctd}	=	f_{ctk} / γ_C	= 1.56	N/mm^2
Stato Limite di Esercizio					
Tensione max di compressione - Comb. rara	σ_c	<	$0.60 \cdot f_{ck}$	= 22.41	N/mm^2
Tensione max di compressione - Comb. quasi permanente	σ_c	<	$0.45 \cdot f_{ck}$	= 17.93	N/mm^2

4.3 Calcestruzzo magro per sottofondazioni Rck ≥ 15 N/mm2

Classe di esposizione	X0
Rapporto massimo acqua/cemento	-
Classe di resistenza	C12/15
Contenuto minimo di cemento	150 kg/m^3
Tipo di cemento	CEM I÷V
Slump	-
Diametro massimo inerte	32 mm

4.4 Acciaio ordinario per armatura lenta B450C

Tensione caratteristica di rottura (frattile 5%)	f_{tk}	=		540.00	N/mm^2
Tensione caratteristica di snervamento (frattile 5%)	f_{yk}	=		450.00	N/mm^2
Stato Limite Ultimo					
Coefficiente parziale di sicurezza	γ_S	=		1.15	--
Resistenza a trazione di calcolo	f_{yd}	=	f_{yk} / γ_S	= 391.30	N/mm^2
Stato Limite di Esercizio					
Tensione massima di trazione	σ_s	<	$0.80 \cdot f_{yk}$	= 360.00	N/mm^2

5 CARATTERIZZAZIONE GEOTECNICA

5.1 Caratterizzazione dei terreni

Nel seguito del documento si farà costante riferimento a quanto riportato nella Relazione Geologica e nella relazione geotecnica, della quale nel seguito si riportano le tabelle riassuntive.

Sabbie ghiaiose I tra 1 e 3 metri dal p.c..

Tale strato è costituito da sabbie ghiaiose per le quali possono essere assunti i seguenti valori geotecnici medi.

Parametri	Simbolo	Unità	Valori medi
Peso di volume naturale medio	γ	KN/m^3	19
Angolo di attrito interno medio	ø	°	30
Angolo di attrito interno medio a volume costante[2]	$ø_{cv}$	°	25
Coesione efficace media	c'	KPa	0
Densità relativa media	Dr	%	75
Coefficiente di Poisson medio	μ	---	0.49
Modulo edometrico medio	Ed	MPa	15
Modulo Young medio	Es	MPa	30
Velocità delle onde S media	Vs	m/sec	175

Ghiaie sabbiose tra 3 e 5 m dal p.c..

Tale strato è costituito da ghiaie sabbiose per le quali possono essere assunti i seguenti valori geotecnici.

Parametri	Simbolo	Unità	Valori medi
Peso di volume naturale medio	γ	KN/m^3	19
Angolo di attrito interno medio	ø	°	33
Angolo di attrito interno medio a volume costante[3]	$ø_{cv}$	°	26
Coesione efficace media	c'	KPa	0
Densità relativa media	Dr	%	85
Coefficiente di Poisson medio	μ	---	0.49
Modulo edometrico medio	Ed	MPa	30
Modulo Young medio	Es	MPa	45
Velocità delle onde S media	Vs	m/sec	175

Sabbie medio fini/fini tra 5 e 12 m dal p.c..

Tale strato è costituito da sabbie medio fini e fini per le quali possono essere assunti i seguenti valori geotecnici.

Parametri	Simbolo	Unità	Valori medi
Peso di volume naturale medio	γ	KN/m^3	19
Angolo di attrito interno medio	ø	°	30
Angolo di attrito interno medio a volume costante[4]	$ø_{cv}$	°	25
Coesione efficace media	c'	KPa	0
Densità relativa media	Dr	%	45
Coefficiente di Poisson medio	μ	---	0.49
Modulo edometrico medio	Ed	MPa	14
Modulo Young medio	Es	MPa	28
Velocità delle onde S media	Vs	m/sec	250

Sabbie tra 12 e 17 m dal p.c..

Tale strato è costituito da sabbie per le quali possono essere assunti i seguenti valori geotecnici.

Parametri	Simbolo	Unità	Valori medi
Peso di volume naturale medio	γ	KN/m^3	19
Angolo di attrito interno medio	ø	°	31
Angolo di attrito interno medio a volume costante[5]	$ø_{cv}$	°	25
Coesione efficace media	c'	KPa	0
Densità relativa media	Dr	%	60
Coefficiente di Poisson medio	μ	---	0.49
Modulo edometrico medio	Ed	MPa	30
Modulo Young medio	Es	MPa	45
Velocità delle onde S media	Vs	m/sec	350

Sabbie ghiaiose II tra 17 e 23 m dal p.c..

Tale strato è costituito da sabbie ghiaiose per le quali possono essere assunti i seguenti valori geotecnici.

Parametri	Simbolo	Unità	Valori medi
Peso di volume naturale medio	γ	KN/m^3	19
Angolo di attrito interno medio	ø	°	31
Angolo di attrito interno medio a volume costante[6]	$ø_{cv}$	°	25
Coesione efficace media	c'	KPa	0
Densità relativa media	Dr	%	60
Coefficiente di Poisson medio	μ	---	0.45
Modulo edometrico medio	Ed	MPa	30
Modulo Young medio	Es	MPa	45
Velocità delle onde S media	Vs	m/sec	550

Sabbie ghiaiose ciottolose tra 23 e 30 m dal p.c..

Tale strato è costituito da sabbie ghiaiose per le quali possono essere assunti i seguenti valori geotecnici.

Parametri	Simbolo	Unità	Valori medi
Peso di volume naturale medio	γ	KN/m^3	21
Coefficiente di Poisson medio	μ	---	0.40
Velocità delle onde S media	Vs	m/sec	650

Il substrato roccioso, individuato per mezzo della geofisica, è suddivisibile in tre distinti e come di seguito descritti.

Bedrock I.

Parametri	Simbolo	Unità	Valori medi
Peso di volume naturale medio	γ	KN/m^3	22
Coefficiente di Poisson medio	μ	---	0.35
Velocità delle onde S media	Vs	m/sec	850

Bedrock II.

Parametri	Simbolo	Unità	Valori medi
Peso di volume naturale medio	γ	KN/m^3	23
Coefficiente di Poisson medio	μ	---	0.30
Velocità delle onde S media	Vs	m/sec	1200

Bedrock III.

Parametri	Simbolo	Unità	Valori medi
Peso di volume naturale medio	γ	KN/m^3	24
Coefficiente di Poisson medio	μ	---	0.25
Velocità delle onde S media	Vs	m/sec	2200

La quota della falda è pari a 2 metri al di sotto del p.c.

6 CRITERI DI VERIFICA

6.1 Verifiche agli Stati Limite Ultimi

6.1.1 Verifica per sollecitazioni di presso/tenso-flessione

Come previsto dal DM 14.01.2008 al § 4.1.2.1.2.4 con riferimento alla generica sezione la verifica di resistenza allo SLU si esegue controllando che:

$$M_{Rd} - M_{Rd}(N_{Ed}) \geq M_{Ed}$$

dove:

- M_{Rd} è il valore di calcolo del momento resistente corrispondente a N_{Ed};
- N_{Ed} è il valore di calcolo della componente assiale (sforzo normale) dell'azione;
- M_{Ed} è il valore di calcolo della componente flettente dell'azione.

6.1.2 Verifica per sollecitazione tagliante

Per la verifica a sollecitazione tagliante si esegue dapprima la verifica degli *elementi senza armature resistenti a taglio,* secondo quanto previsto dal Ministero delle Infrastrutture nel D.M. 14.01.2008 al punto 4.1.2.1.3.1.
Indicato con V_{Ed} il valore di calcolo dello sforzo di taglio agente allo SLU, si verifica controllando che risulti:

$$V_{Ed} \leq V_{Rd} \quad \max\left[\left(0.18 \cdot k \cdot \frac{\sqrt[3]{100 \cdot \rho_l \cdot f_{ck}}}{\gamma_c} + 0.15 \cdot \sigma_{cp}\right) \cdot b_w \cdot d;\left(v_{min} + 0.15 \cdot \sigma_{cp}\right) \cdot b_w \cdot d\right]$$

dove:

$k = 1 + \sqrt{\frac{200}{d}} \leq 2$ con d altezza utile della sezione espressa in mm

$v_{min} \quad 0.035 \cdot \sqrt{k^3} \cdot \sqrt{f_{ck}}$

$\rho_l = \frac{A_{sl}}{b_w \cdot d} \leq 0.02$ con b_w larghezza minima della sezione espressa in mm

$\sigma_{cp} = \frac{N_{Ed}}{A_c} \leq 0.2 \cdot f_{cd}$ tensione media di compressione nella sezione

Qualora la verifica non andasse a buon fine è necessario ricorrere ad *elementi provvisti di armature resistenti a taglio* secondo quanto previsto al punto 4.1.2.1.3.2 del già citato D.M..
Con riferimento all'armatura trasversale, la resistenza di calcolo a "*taglio-trazione*" si calcola con:

$$V_{Rsd} \quad 0.9 \cdot d \cdot \frac{A_{sw}}{s} \cdot f_{yd} \cdot (\mathrm{ctg}\,\alpha + \mathrm{ctg}\,\vartheta) \cdot \sin\alpha$$

Con riferimento al calcestruzzo d'anima, la resistenza di calcolo a "*taglio-compressione*" si calcola con:

$$V_{Rcd} \quad 0.9 \cdot d \cdot b_w \cdot \alpha_c \cdot f'_{cd} \cdot \frac{\mathrm{ctg}\,\alpha + \mathrm{ctg}\,\vartheta}{1 + \mathrm{ctg}^2\vartheta}$$

La resistenza a taglio dell'elemento strutturale è la minore delle due sopra definite:

$$V_{Rd} \quad \min(V_{Rsd}; V_{Rcd})$$

Nelle precedenti espressioni, i nuovi parametri, introdotti rispetto al caso di elementi sprovvisti di armatura a taglio, assumono il seguente significato:

θ	inclinazione dei puntoni di calcestruzzo rispetto all'asse dell'elemento con la limitazione $1.0 \leq \text{ctg}\,\theta \leq 2.5$
α	inclinazione dell'armatura trasversale rispetto all'asse dell'elemento
A_{sw}	area dell'armatura trasversale
s	interasse tra due armature trasversali consecutive
$f'_{cd} = 0.5 \cdot f_{cd}$	resistenza a compressione ridotta del calcestruzzo d'anima
α_c	coefficiente maggiorativi pari a: 1 per membrature non compresse $1 + \sigma_{cp}/f_{cd}$ per $0 \leq \sigma_{cp} < 0.25 \times f_{cd}$ 1.25 per $0.25\, f_{cd} \leq \sigma_{cp} \leq 0.5 \times f_{cd}$ $2.5 \times (1-\sigma_{cp}/f_{cd})$ per $0.5 \times f_{cd} < \sigma_{cp} < f_{cd}$

6.2 Verfifiche agli Stati Limite di esercizio

Le verifiche agli SLE si risolvono nel controllare che i valori di tensione nei materiali siano inferiori ai limiti di normativa (punto 4.1.2.2.5 del D.M. 14.01.2008).

- Calcestruzzo compresso:
  - Combinazione rara $\sigma_c < 0.60 \times f_{ck}$ per cls R_{ck} 40 $\rightarrow \sigma_c < 19.92$ N/mm^2
  - Combinazione quasi permanente $\sigma_c < 0.45 \times f_{ck}$ per cls R_{ck} 40 $\rightarrow \sigma_c < 14.94$ N/mm^2
- Acciaio teso:
  - Combinazione rara $\sigma_s < 0.80 \times f_{yk}$ per acciaio B450 $\rightarrow \sigma_s < 360.0$ N/mm^2

6.3 Verifiche a fessurazione

6.3.1 Premessa

Viene eseguita la verifica allo stato limite di apertura delle fessure con riferimento al D.M. 14.01.2008 "Norme Tecniche per le Costruzioni" (§ 4.1.2.2.4).
Prima di procedere alle verifiche a fessurazione è necessario definire delle apposite combinazioni di carico ed effettuare una valutazione relativa al grado di protezione delle armature metalliche contro la corrosione (in termini di condizioni ambientali e sensibilità delle armature stesse alla corrosione).
Si distinguono i seguenti casi (riportati nella tabella 4.1.II del D.M. 14.01.2008):

- ***Combinazioni di azioni:***
  - Frequente (indicata con FR);
  - Quasi Permanente (indicata con QP).
- ***Condizioni ambientali:***
  - Ordinarie;
  - Aggressive;
  - Molto Aggressive.
- ***Sensibilità delle armature alla corrosione:***
  - Sensibili (acciai da precompresso);
  - Poco sensibili (acciai ordinari).

Come criteri di scelta dello stato limite di fessurazione si fa riferimento alla tabella di seguito riportata.

Gruppi di esigenze	Condizioni ambientali	Combinazione di azioni	Armatura			
			Sensibile		Poco sensibile	
			Stato limite	w_d	Stato limite	w_d
a	Ordinarie	frequente	apertura fessure	$\leq w_2$	apertura fessure	$\leq w_3$
		quasi perman.	apertura fessure	$\leq w_1$	apertura fessure	$\leq w_2$
b	Aggressive	frequente	apertura fessure	$\leq w_1$	apertura fessure	$\leq w_2$
		quasi perman.	decompressione	-	apertura fessure	$\leq w_1$
c	Molto	frequente	formazione fessure	-	apertura fessure	$\leq w_1$

	aggressive	quasi perman.	decompressione	-	apertura fessure	$\leq w_1$

Si considerano i seguenti valori limite di apertura delle fessure: w_1 = 0.2 mm;
w_2 = 0.3 mm;
w_3 = 0.4 mm.

Con l'ausilio del programma di calcolo "STS Stati Limite", si procede al calcolo del valore caratteristico dell'ampiezza della fessura w_d, confrontandolo con i valori limite precedentemente definiti.

Il calcolo è condotto attraverso i seguenti passaggi:
- Valutazione della distanza media tra le fessure (Δ_{sm});
- Valutazione della deformazione media delle barre d'armatura (ε_{sm});
- Valutazione dell'ampiezza delle fessure (valore medio e valore di calcolo).

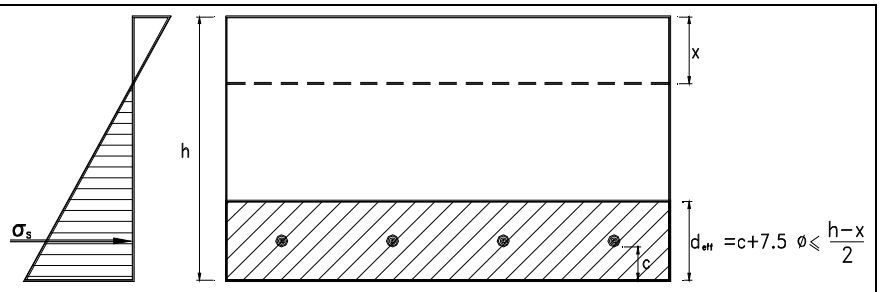
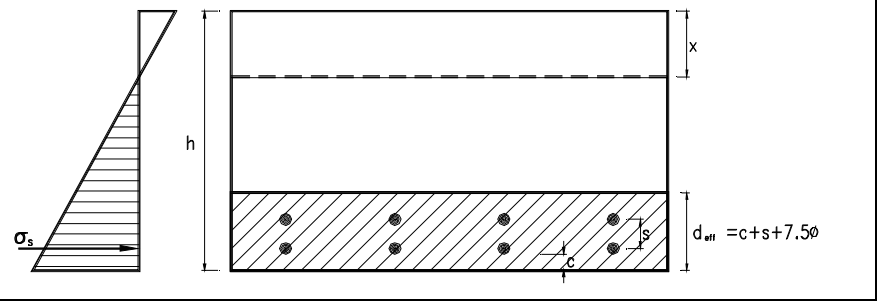
Per il calcolo di Δ_{sm} e ε_{sm} si utilizzano criteri consolidati riportati nella letteratura tecnica: in particolare si fa riferimento alla Circolare del Ministero dei Lavori Pubblici n°252 del 15/10/1996 (*"Istruzioni relative alle Norme Tecniche per l'esecuzione delle opere in cemento armato normale e precompresso e per le strutture metalliche di cui al D.M. 09.01.1996"*).

In base alla tabella 4.1.III del D.M. 14.01.2008, le classi di esposizione individuate per le opere in esame riconducono a condizioni ambientali del tipo "Aggressive" e "Molto aggressive". Pertanto, secondo la tabella 4.1.IV:

Gruppi di esigenze	**Condizioni ambientali**	**Combinazione**	**Armatura poco sensibile**	
			Stato Limite	**w_d**
b	Aggressive (XS1)	Frequente	Apertura fessure	$\leq w_2$ = 0.3 mm
		Quasi permanente	Apertura fessure	$\leq w_1$ = 0.2 mm
c	Molto Aggressive (XS2)	Frequente	Apertura fessure	$\leq$ w2 = 0.2 mm
		Quasi permanente	Apertura fessure	$\leq$ w1 = 0.2 mm

6.3.2 Valutazione della distanza media tra le fessure

Si definisce l'area efficace A_{ceff} come l'area di calcestruzzo entro la quale la barra di acciaio può effettivamente influenzare l'apertura della fessura. In base alle indicazioni riportate nella Circ. Min. LL.PP. n°252, si definisce l'altezza efficace con riferimento agli schemi di seguito riportati.

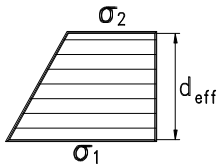
Caso 1: Lembo teso con un solo ordine di tondini d'armatura.	
Caso 2: Lembo teso con più livelli di tondini d'armatura.	

La distanza media tra le fessure, per la condizione di fessurazione stabilizzata in corrispondenza del livello baricentrico dell'armatura all'interno dell'area efficace, è data da:

$$A_{sm} \quad 2 \cdot \left(c + \frac{s}{10} \right) + k_2 \cdot k_3 \cdot \frac{\phi}{\rho_r}$$

dove:

- c = ricoprimento dell'armatura (copriferro netto);
- s = distanza tra le barre d'armatura; se $s > 14 \cdot \phi$ si adotterà $s = 14 \cdot \phi$;
- ϕ = diametro della barra;
- k_2 = coefficiente che caratterizza l'aderenza del cls alla barra, a cui si assegnano i seguenti valori:
  - 0.4 per barre ad aderenza migliorata;
  - 0.8 per barre lisce.
- k_3 = coefficiente che tiene conto della forma del diagramma delle tensioni prima della fessurazione, in base al seguente prospetto:
  - 0.125 (caso di diagramma triangolare di flessione e pressoflessione);
  - 0.250 (caso di trazione pura);
  - $0.25 \cdot \frac{\sigma_1 + \sigma_2}{2 \cdot \sigma_1}$ (caso di trazione eccentrica o in cui si consideri una sola parte della sezione):



- σ_1, σ_2 = trazione nel cls teso;
- $\rho_r = A_s / A_{ceff}$ = rapporto geometrico d'armatura (con A_s = area della sezione di acciaio posta nell'area A_{ceff}).

6.3.3 Valutazione della deformazione media delle barre d'armatura

La deformazione media delle barre d'armatura ε_{sm} è valutata secondo la seguente espressione che tiene conto del contributo del calcestruzzo teso che la circonda:

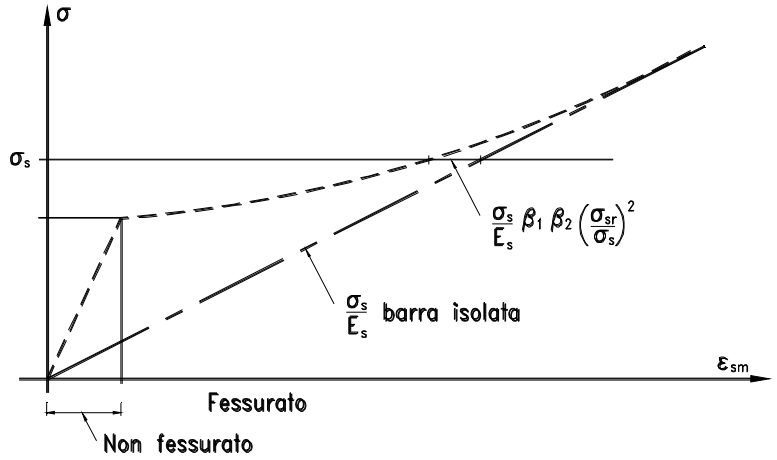
$$\varepsilon_{sm} - \frac{\sigma_s}{E_s} \left| 1 - \beta_1 \cdot \beta_2 \cdot \left(\frac{\sigma_{sr}}{\sigma_s} \right)^2 \right| \geq 0.4 \cdot \frac{\sigma_s}{E_s}$$

dove:

- σ_s = tensione nell'acciaio calcolata nella sezione fessurata;
- σ_{sr} = tensione nell'acciaio calcolata nella sezione fessurata per la sollecitazione corrispondente al raggiungimento della resistenza media a trazione f_{ctm} nella fibra di cls più sollecitata in sezione interamente reagente, compresa nell'area efficace.
- β_1 = coefficiente rappresentativo dell'aderenza acciaio-cls, che assume i valori:
  - 1.0 (caso di barre ad aderenza migliorata);
  - 0.5 (caso di barre lisce).
- β_2 = coefficiente che tiene conto delle condizioni di sollecitazione:
  - 1.0 (caso della prima applicazione di una forza di breve durata);
  - 0.5 (caso di azioni di lunga durata o nel caso di azioni ripetute).
- E_s = modulo elastico dell'acciaio delle barre di armatura.

In pratica si tratta di trovare i valori dell'azione assiale N e del momento flettente M (che stiano nello stesso rapporto delle sollecitazioni della combinazione di carico considerata) che portano il calcestruzzo teso della sezione completamente reagente a lavorare al suo limite. Una volta valutati, si opera la verifica della sezione parzializzata e si ricava il valore dello sforzo nell'acciaio teso.

Nella figura seguente si propone il diagramma della deformazione ε_{sm} in funzione della tensione σ_s.



Andamento della deformazione ε_{sm} in funzione della tensione σ_s

6.3.4 Valutazione dell'ampiezza delle fessure (valore medio e valore di calcolo)

L'ampiezza media delle fessure è calcolata come prodotto della deformazione media delle barre d'armatura ε_{sm} per la distanza media tra le fessure Δ_{sm}:

$$w_m = \varepsilon_{sm} \cdot \Delta_{sm}$$

Si ricava quindi il valore di calcolo di apertura delle fessure, da confrontare con i valori nominali w_1, w_2 e w_3 riportati precedentemente:

$$w_d = 1.7 \cdot w_m$$

7 CALCOLO DELLA CAPACITÀ PORTANTE DEI PALI E CURVA DI MOBILITAZIONE.

Il seguente calcolo di capacità portante vale per tutti i pali.
Si riporta integralmente il calcolo di capacità portante per la situazione peggiore (coef. di sicurezza minore): Punto maglia PM11, Caso C4 (Stato limite ultimo).

7.1 Descrizione dei metodi di calcolo utilizzati

7.1.1 Descrizione del metodo di calcolo utilizzato per la portata di base.

Il calcolo della portata di base viene effettuato col metodo ***AGI***.
Le "Raccomandazioni sui pali di fondazione" pubblicate dall'AGI nel 1984 contengono le indicazioni per il calcolo della capacità portante di pali di fondazione in terreni sciolti e coesivi, per pali infissi e trivellati. Per terreni sciolti, il metodo si basa sui fattori adimensionali di capacità portante N_c e N_q, funzione dell'angolo di resistenza al taglio φ', e sulla tensione verticale efficace σ'_v agente alla profondità della base z_b. Per terreni coesivi, il metodo si basa sulla resistenza al taglio non drenata s_u, e sulla tensione verticale totale σ_v agente alla profondità della base z_b. Considerazioni di carattere empirico hanno reso evidente la necessità di considerare l'esistenza di una profondità critica z_c. Questo metodo e' applicabile a terreni non coesivi e coesivi, sia per pali infissi (s/D~8÷10%) che per pali trivellati (s/D~25÷30%).
$q_{lim} = N_c\, c' + N_q\, \sigma'_v$ (terreno non coesivo)
$q_{lim} = 9.0\, s_u + \sigma_v$ (terreno coesivo)
Descrizione del metodo di calcolo utilizzato per la portata laterale.
Il calcolo della portata per attrito laterale viene effettuato col metodo ***AGI***.
Le "Raccomandazioni sui pali di fondazione" pubblicate dall'AGI nel 1984 contengono le indicazioni per il calcolo della capacità portante di pali di fondazione in terreni sciolti e coesivi, per pali infissi e trivellati. Per terreni sciolti, l'attrito laterale è valutato in termini di tensioni efficaci, in funzione di un coefficiente di spinta orizzontale k, dell'angolo di attrito palo-terreno μ e della tensione verticale efficace σ'_v. Per terreni coesivi, il metodo si basa sulla resistenza al taglio non drenata s_u, o, in alternativa, sull'angolo di resistenza al taglio φ' e sulla tensione verticale efficace σ'_v. Viene inoltre valutata la profondità critica z_c oltre cui l'attrito rimane costante, secondo il diametro del palo. Questo metodo e' applicabile a terreni non coesivi e coesivi, sia per pali infissi che per pali trivellati.

$f_{s,lim} = \mu\ k\ \sigma'_{v0}$ (terreno non coesivo)
$f_{s,lim} = \alpha\ s_u$ oppure $f_{s,lim} = (1 - \sin\varphi')\ \tan\varphi'\ \sigma'_{v0}$ (terreno coesivo)

7.1.2 Descrizione del metodo di calcolo utilizzato per il modulo di reazione orizzontale.

Il calcolo del modulo di reazione orizzontale viene effettuato col metodo ***Lineare***.
Il valore del modulo di reazione orizzontale varia linearmente con la quota, e viene calcolato come somma di un termine costante (A) piu' un coefficiente (B) moltiplicato per l'approfondimento (z) sotto il piano campagna.

7.1.3 Descrizione del metodo di calcolo utilizzato per la resistenza trasversale laterale.

Il calcolo della resistenza trasversale laterale viene effettuato col metodo ***Broms***.
La teoria pubblicata da Broms nel 1964 propone due approcci differenti per terreni coesivi e non coesivi. Per terreni sciolti, propone una distribuzione di resistenza ultima pari a tre volte la pressione di resistenza passiva valutata secondo la teoria di Rankine, $p_l = 3K_p\sigma'_v$. Per terreni coesivi, propone una distribuzione di p_l che vede un tratto nullo per i primi 1.5 diametri dalla superficie, seguito da un tratto con valore di resistenza pari a $9s_u$ (resistenza al taglio non drenata) per profondità maggiori.
$p_{lim} = 3\ K_p\ \sigma'_{v0}$ (terreno non coesivo)
$p_{lim} = 9\ s_u$ (terreno coesivo)

8 ANALISI DEI CARICHI

Di seguito si riporta una sintesi delle considerazioni svolte per lo studio delle azioni sulla struttura metallica in oggetto.
Principalmente si tratta di considerare gli effetti dell'azione della neve, del vento, l'azione sismica, il peso dei pannelli solari e il carico variabile di manutenzione.
Il calcolo dei carichi per gli elementi strutturali è fatto in modo esplicito, lasciando al codice la valutazione del solo peso proprio delle travi, dei pilastri, in funzione della sezione dell'elemento stesso e del peso specifico ad essi attribuiti.

8.1 Peso proprio

Il peso proprio è valutato in ragione di 25.0 kN/m^3 ed è computato automaticamente dal programma di calcolo.

8.2 Carichi Permanenti

8.2.1 Permanenti sulla fondazione

Sulla fondazione è stato considerato il peso della pavimentazione pari a 2 kN/mq

8.2.2 Permanenti sui solai di piano

Sui solaio è stato considerato il peso proprio del solaio e i tramezzi e della pavimentazione:

- Peso proprio solaio ->3.6kN/mq
- Peso tramezzature ->0.8 kN/mq
- Peso pavimentazione ->3.1 kN/mq

8.3 Carichi Variabili

8.3.1 Variabili zona commerciale

È stato considerato come variabile quello del parcheggio pari a : 3.0 kN/mq

8.3.2 Variabili abitazioni

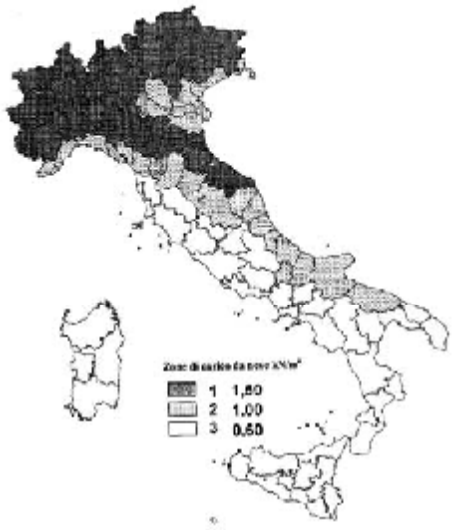
È stato considerato come variabile quello di abitazione pari a : 2.0 kN/mq

8.3.3 Variabili copertura

È stato considerato come variabile di copertura quello di manutenzione pari a : 0.5 kN/mq

8.4 Azione della neve

Il D.M. 14.01.2008 riporta la modalità per il calcolo dell'entità del carico da neve in relazione alla zona, all'altitudine e al coefficiente di forma della copertura dell'edificio.



Zona II
Arezzo, Ascoli Piceno, Bari, Campobasso, Chieti, Ferrara, Firenze, Foggia, Genova, Gorizia, Imperia, Isernia, La Spezia, Lucca, Macerata, Mantova, Massa Carrara, Padova, Perugia, Pescara, Pistoia, Prato, Rovigo, Savona, Teramo, Trieste, Venezia, Verona.

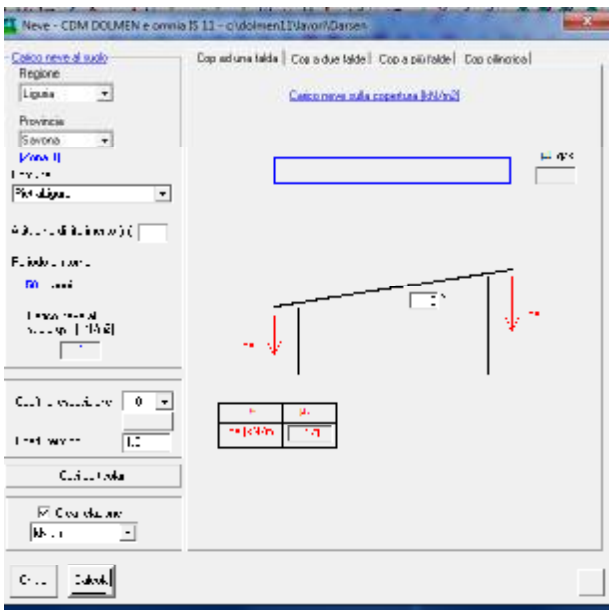
= 1,00 kN/m^2 $a_s \leq 200$ m
= 0.85 + [1+(a_s/481)^2] kN/m^2 $a_s > 200$ m

L'altitudine di riferimento a_s è la quota del suolo sul livello del mare nel sito di realizzazione dell'edificio.

Coefficiente di forma	$0° \leq \alpha \leq 30°$	$30° \leq \alpha \leq 60°$	$\alpha \geq 60°$
μ_1	0,8	$0,8 \cdot \frac{(60-\alpha)}{30}$	0,0

I coefficienti di forma μ_1, si riferiscono alle coperture ad una o due falde.

Il carico da neve che verrà preso in considerazione viene computato automaticamente dal programma e vale:



$$q_s = \mu_i \cdot q_{sk} = 0.8 \times 1.0 = 0.8 \text{ KN/m}^2$$

8.5 Azione sismica

La progettazione strutturale dell'opera in esame è stata eseguita secondo i criteri contenuti e sviluppati nel D.M.14/01/2008 e nella Circolare n°617 del 02.02.2008.

Periodo di riferimento per l'azione sismica

L'accelerazione orizzontale massima attesa al sito dipende dal periodo di riferimento considerato per la definizione dell'azione sismica. Si ritiene di attribuire alla infrastruttura in progetto, ai sensi della tabella 2.4.I del D.M. 14.01.2008, una vita nominale $V_N \geq 50$ anni nonché una classe d'uso III. In base alla tabella 2.4.II il coefficiente d'uso vale $C_U = 1.5$.
Pertanto il periodo di riferimento per l'azione sismica vale:

$$V_R = V_N \cdot C_U = 50 \times 1.5 = 75 \text{ anni}$$

Parametri sismici
I parametri sismici di base sono stati desunti dalla relazione geologica, in particolare, il sito in esame è caratterizzato dai seguenti valori di accelerazione massima attesa a_g su sito di riferimento rigido orizzontale, per i valori di periodi di ritorno T_R associati a ciascuno stato limite:

Stato Limite	T_R [anni]	a_g [g]	F_0 [-]
SLO	45	0.028	2.528
SLD	75	0.037	2.544
SLV	712	0.113	2.486
SLC	1462	0.154	2.500

dove con F_0 si è indicato il valore massimo di amplificazione dello spettro in accelerazione orizzontale.

Categoria sismica dei suoli di fondazione e coefficiente di amplificazione stratigrafica
In accordo con la normativa di riferimento, la risposta sismica locale, in mancanza di studi specifici, può essere espressa dalle categorie di sottosuolo, identificate da diversi valori di V_{S30} (velocità sismiche delle onde di taglio entro i primi 30m di profondità), N_{SPT} (resistenza alla penetrazione in una prova penetrometrica dinamica) o c_u (coesione non drenata).

Per la definizione delle caratteristiche di risposta sismica locale ci si deve pertanto basare sui risultati delle indagini geognostiche. In mancanza di valori di V_{S30} ricavati direttamente da prospezioni sismiche in foro, la caratterizzazione sismica è stata basata sui valori di N_{SPT} registrati durante l'esecuzione dei sondaggi.

Date le caratteristiche molto simili riscontrate nelle diverse verticali appartenenti alle diverse unità geotecniche riconosciute, è possibile, ai fini della progettazione geotecnica e strutturale delle opere, identificare un'unica categoria di suolo di fondazione, corrispondente alla:

- **categoria C:** Depositi di *terreni a grana grossa* mediamente addensati o terreni a grana fina mediamente consistenti con spessori superiori a 30 m, caratterizzati da un graduale miglioramento delle proprietà meccaniche con la profondità e da valori di **$V_{S,30}$ compresi tra 180 m/s e 360 m/s** (ovvero **$15 < N_{SPT,30} < 50$** nei terreni a grana grossa e $70 < c_{u,30} < 250$ kPa nei terreni a grana fina).

In base alla categoria di sottosuolo individuata sono stati ottenuti i seguenti valori del coefficiente di amplificazione stratigrafica S_S (cfr. Tabella 3.2.V del D.M. 14/01/08):

- nel caso di verifiche SLV orizzontale (Fo=2.486, ag=0.113):

Categoria sottosuolo	S_S
C	$1.0 \leq 1.7 \quad 0.6 \cdot F_0 \cdot \frac{a_g}{g} \leq 1.5 \quad = 1.5$

- nel caso di verifiche SLD orizzontale (Fo=2.544, ag=0.037):

Categoria sottosuolo	S_S
C	$1.0 \leq 1.7 \quad 0.6 \cdot F_0 \cdot \frac{a_g}{g} \leq 1.5 \quad = 1.5$

Mentre per gli spettri verticali S_s è pari a 1.00.

Coefficiente di amplificazione topografica
In base alle condizioni topografiche presenti in sito (T1 = superficie pianeggiante o pendii e rilievi isolati con inclinazione media ≤ 15°), è stato utilizzato il seguente valore del coefficiente di amplificazione topografica S_T (cfr. Tabella 3.2.VI del D.M. 14/01/08):

Categoria topografica	S_T
T1	1.0

In base a quanto esposto in D.M. 14/01/2008 paragrafo 3.2.3.2, l'azione sismica è descritta dalle componenti orizzontale e verticale in accelerazione, considerate indipendenti e rappresentate mediante lo spettro di risposta dell'accelerazione del terreno.

8.5.1.1 Componenti orizzontali

Lo spettro di riposta elastico della componente orizzontale $S_e(T)$ per il periodo di ritorno di riferimento T è definito mediante le seguenti espressioni:

$$
\begin{cases}
0 \le T < T_B & S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left(\frac{T}{T_B} + \frac{1}{\eta \cdot F_o} \cdot \left(1 - \frac{T}{T_B} \right) \right) \\
T_B \le T < T_C & S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \\
T_C \le T < T_D & S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left(\frac{T_C}{T} \right) \\
T_D \le T & S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left[\frac{T_D \cdot T_C}{T^2} \right]
\end{cases}
$$

dove:

$S_e(T)$ ordinata dello spettro di progetto;
T periodo di ritorno di riferimento;
a_g valore di progetto dell'accelerazione del terreno per il periodo di ritorno di riferimento;
T_C periodo corrispondente all'inizio del tratto a velocità costante dello spettro, espresso mediante la relazione:

$$T_C = C_C \cdot T_C^*$$

dove:

C_C coefficiente funzione della categoria di suolo
T^*_C periodo di inizio del tratto a velocità costante su sito di riferimento rigido orizzontale.

T_B periodo corrispondente all'inizio del tratto dello spettro ad accelerazione costante (pari a $T_C/3$);
T_D periodo corrispondente all'inizio del tratto a spostamento costante dello spettro, espresso in secondi mediante la relazione:

$$T_D = 4.0 \cdot \frac{a_g}{g} + 1.6$$

S coefficiente che tiene conto della categoria di sottosuolo e delle condizioni topografiche, mediante la seguente relazione:

$$S = S_S \cdot S_T$$

dove:

S_S coefficiente di amplificazione stratigrafica (pari a 1.50);
S_T coefficiente di amplificazione topografica (pari a 1.00)

F_o fattore che quantifica l'amplificazione spettrale massima, su sito di riferimento rigido orizzontale (con valore minimo pari a 2.2).
η fattore che altera lo spettro elastico per coefficienti di smorzamento viscosi convenzionali ξ diversi dal 5%: nel caso analizzato risulta pari a 1.

8.5.1.2 Componente verticale

Per quanto riguarda l'azione sismica verticale, questa è rappresentata mediante lo spettro di riposta di progetto *$S_{vd}(T)$* per il periodo di ritorno di riferimento T mediante le seguenti espressioni:

$$\begin{cases} 0 \le T < T_B & S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left(\frac{T}{T_B} + \frac{1}{\eta \cdot F_o} \cdot \left(1 - \frac{T}{T_B} \right) \right) \\ T_B \le T < T_C & S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \\ T_C \le T < T_D & S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left[\frac{T_C}{T} \right] \\ T_D \le T & S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left[\frac{T_D \cdot T_C}{T^2} \right] \end{cases}$$

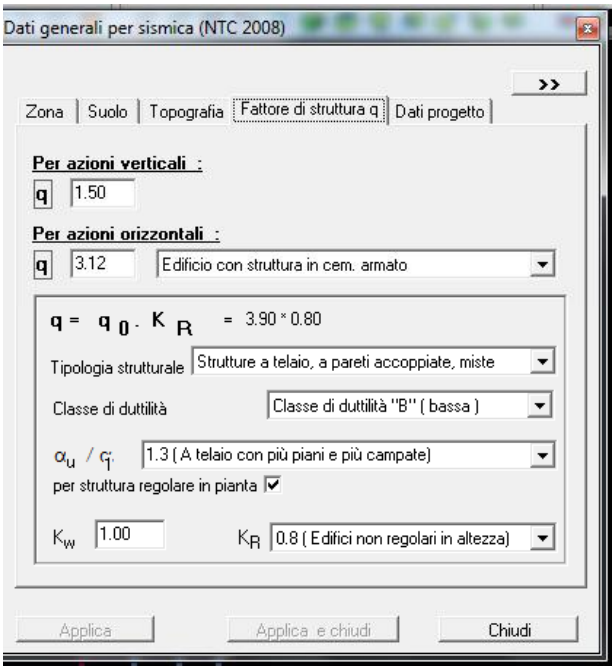
dove:

$S_{ve}(T)$ accelerazione spettrale verticale;
T periodo di ritorno di riferimento;
F_v fattore che quantifica l'amplificazione spettrale massima, in termini di accelerazione orizzontale massima del terreno a_g su sito di riferimento rigido orizzontale, mediante la relazione:

$$F_v = 1.35 \cdot F_o \cdot \left(\frac{a_g}{g} \right)^{0.5}$$

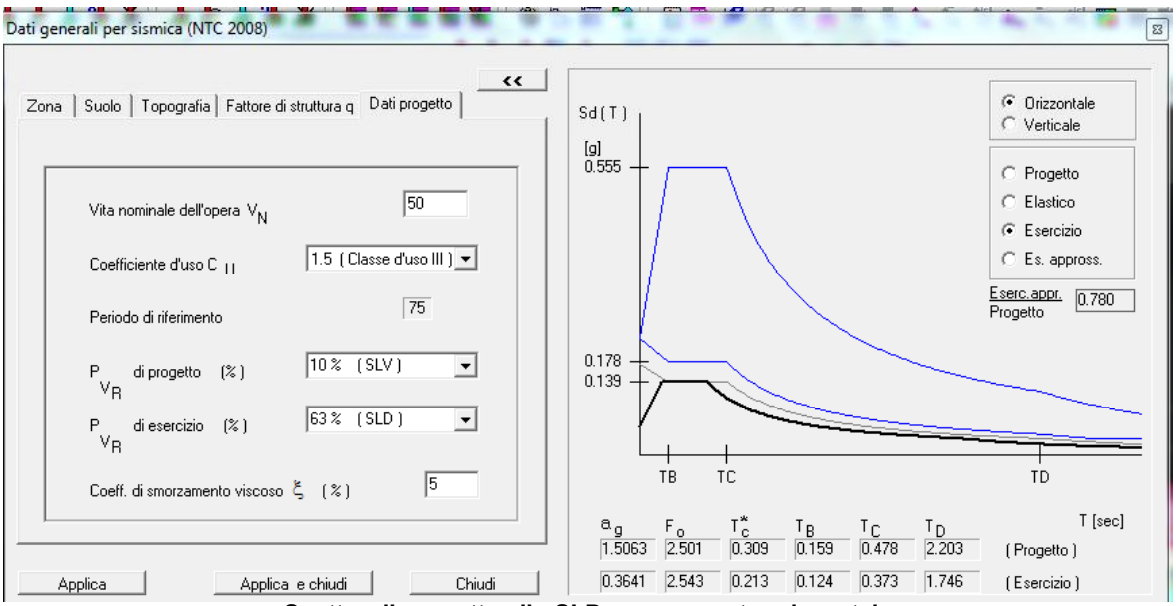
8.5.2 Fattore di struttura

In base a quanto esposto in D.M. 14/01/2008 paragrafo 7.3.1 si considera il seguente fattore di struttura, computato automaticamente dal programma di calcolo:



8.5.3 *Spettri di progetto per gli Stati Limite di Esercizio*

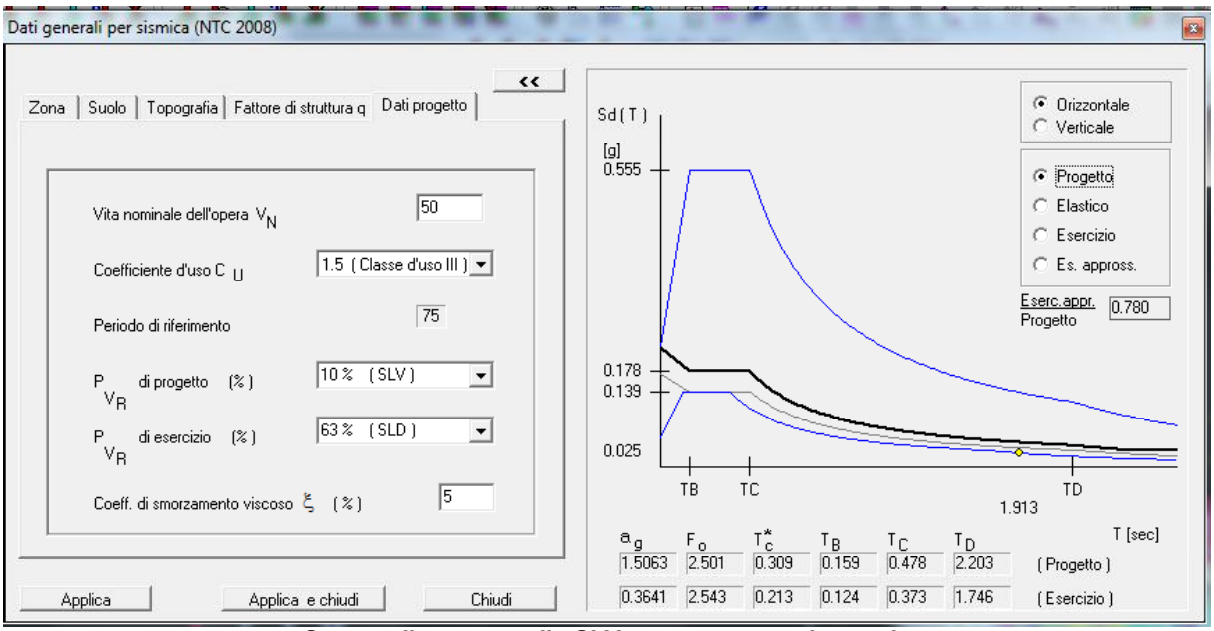
Per gli Stati Limite di Esercizio lo spettro di progetto S_d (T) da utilizzare, sia per le componenti orizzontali che per la componente verticale, è lo spettro di progetto elastico corrispondente, riferito alla probabilità di superamento nel periodo di riferimento P_{Vr} considerata.
Si verifica solo lo Stato Limite di Danno (SLD), con probabilità di superamento nel periodo di riferimento pari a 63% e il cui andamento è riportato nella figura seguente, sia per le componenti orizzontali



Spettro di progetto allo SLD- componente orizzontale

8.5.4 Spettri di progetto per gli Stati Limite Ultimi

Per gli Stati Limite Ultimi lo spettro di progetto S_d (T) da utilizzare, sia per le componenti orizzontali che per la componente verticale, è lo spettro di progetto elastico corrispondente, riferito alla probabilità di superamento nel periodo di riferimento P_{Vr} considerata, con le ordinate ridotte sostituendo nelle formule delle componenti orizzontali e verticale il fattore η con 1/q, dove q è il fattore di struttura.
Si assumerà comunque S_d (T) $\geq 0.2a_g$.
Si verifica solo lo Stato Limite di Salvaguardia della Vita (SLV), con probabilità di superamento nel periodo di riferimento pari al 10% e il cui andamento è riportato nella figura seguente:



Spettro di progetto allo SLV- componente orizzontale

8.5.5 Combinazione dell'azione sismica con le altre azioni

In accordo con il D.M. 14/01/2008 paragrafo 3.2.4, i carichi sismici vanno combinati con le altre azioni secondo la seguente espressione:

$$G_1 + G_2 + E + \sum_j \Psi_{2j} \cdot Q_{kj}$$

dove:

G_1	peso proprio degli elementi strutturali e non strutturali;
G_2	carichi permanenti portati;
E	azioni derivanti dai terremoti;
Q_{kj}	azioni variabili sulla struttura.

Gli effetti dell'azione sismica saranno valutati tenendo conto delle masse associate ai seguenti carichi gravitazionali:

$$G_1 - G_2 - \sum_j \Psi_{2j} \cdot Q_{kj}$$

8.5.6 Analisi dinamica lineare

In accordo con il paragrafo 7.3.3. del D.M. 14.01.2008, l'analisi dinamica lineare consiste:

- nella determinazione dei modi di vibrare della costruzione (analisi modale);
- nel calcolo degli effetti dell'azione sismica, rappresentata dallo spettro di risposta di progetto, per ciascun modo di vibrare individuato;
- nella combinazione di questi effetti.

Devono essere considerati tutti i modi con massa partecipante significativa e comunque un numero di modi la cui massa partecipante sia superiore all'85%.
Per la combinazione degli effetti relativi ai singoli modi viene utilizzata una combinazione quadratica completa degli effetti relativi a ciascun modo secondo la relazione seguente:

$$E \quad \left(\sum_j \sum_i \rho_{ij} \cdot E_i \cdot E_j \right)^{1/2} \quad j \quad i \quad 1,....,n$$

dove:

E_j	valore dell'effetto relativo al modo j;
ρ_{ij}	coefficiente di correlazione tra il modo i e il modo j: $\rho_{ij} \quad \frac{8 \cdot \xi^2 \cdot \beta_{ij}^{3/2}}{(1 \quad \beta_{ij}) \cdot [(1 \quad \beta_{ij})^2 \quad 4 \cdot \xi^2 \cdot \beta_{ij}]}$
ξ	smorzamento viscoso dei modi i e j;
β_{ij}	è il rapporto tra lì'inverso dei periodi di ciascuna coppia i-j di modi: $\beta_{ij} - T_j / T_i$

Nelle tabelle seguenti sono riportati i periodi dei singoli modi e la percentuale di massa partecipante (individuale e cumulativa), così come risultanti dall'analisi.

8.5.6.1 Modi di vibrare della struttura

Dall'analisi dinamica modale si riporta di seguito la tabella degli autovettori considerati per il raggiungimento dell'85% della massa partecipante:

- -
La massa partecipante necessaria viene raggiunta combinando i primi 5 modi di vibrare della struttura.

n	PERIODO	MASSA ATTIVATA			COEFFICIENTI DI CORRELAZIONE						
	[sec]	%X	%Y	%Z	n+1	n+2	n+3	n+4	n+5	n+6	n+7
1	0.235939	57.129	8.764	0.000	0.146	0.087	0.004	0.003			
2	0.185516	15.480	5.352	0.000	0.611	0.007	0.005				
3	0.171294	3.524	63.751	0.000	0.008	0.006					
4	0.063110	20.405	0.935	0.000	0.294						
5	0.054068	0.143	16.767	0.000							
	MASSA TOTALE	96.681	95.569	0.000							

8.6 Azione del vento

Il D.M. 14.01.2008 riporta la modalità per il calcolo dell'entità del carico da vento la cui espressione è:

$$p - q_b \cdot c_e \cdot c_p \cdot c_d$$

in cui:

- q_b è la pressione cinetica di riferimento;
- c_e è il coefficiente di esposizione;
- c_p è il coefficiente di forma;
- c_d è il coefficiente dinamico.

La pressione cinetica di riferimento (in N/mm^2) è data dall'espressione:

$$q_b - \frac{1}{2} \rho v_b^2$$

in cui v_b è la velocità di riferimento del vento (in m/s).

Si riportano di seguito il valori desunti dal programma di calcolo:

Zona 7
Altitudine: 3
Periodo di Ritorno [anni]: 50
Classe di rugosità del terreno:D
Distanza dalla costa [km]: 0.5
Categoria di esposizione del sito: 3
Tipologia di costruzione:Edifici a pianta rettangolare con coperture piane a falde inclinate o curve

vref (velocità di riferimento) = 28.
qref (pressione cinetica di riferimento) = .49
cd (coefficiente dinamico) = 1.
cf (coefficiente d' attrito) = .01

	P.to	z	ct(z)	ce(z)	par.1 esterno		par.1 interno	
					cp	p(z)	cp	p(z)
1	A	0.	1.5	3.2207	.8	1.0065	0.	0.
2		.83	1.5	3.2207	.8	1.0065	0.	0.
3		1.67	1.5	3.2207	.8	1.0065	0.	0.
4		2.5	1.5	3.2207	.8	1.0065	0.	0.
5		3.33	1.5	3.2207	.8	1.0065	0.	0.
6		4.17	1.5	3.2654	.8	1.0204	0.	0.
7		5.	1.5	3.4682	.8	1.0838	0.	0.

8|	|	5.83|1.5	|3.6439|	.8	| 1.1387| 0.	| 0.	|
9|	|	6.67|1.5	|3.7992|	.8	| 1.1872| 0.	| 0.	|
10|B	|	7.5 |1.5	|3.9386|	.8	| 1.2308| 0.	| 0.	|

	P.to		z		ct(z)	ce(z)	par.2 esterno		par.2 interno	
						cp	p(z)	cp	p(z)
1|E	|	0.	|1.5	|3.2207|	-.4	| -.5032| 0.	| 0.	|
2|	|	.83	|1.5	|3.2207|	-.4	| -.5032| 0.	| 0.	|
3|	|	1.67	|1.5	|3.2207|	-.4	| -.5032| 0.	| 0.	|
4|	|	2.5 |1.5		|3.2207|	-.4	| -.5032| 0.	| 0.	|
5|	|	3.33	|1.5	|3.2207|	-.4	| -.5032| 0.	| 0.	|
6|	|	4.17	|1.5	|3.2654|	-.4	| -.5102| 0.	| 0.	|
7|	|	5.	|1.5	|3.4682|	-.4	| -.5419| 0.	| 0.	|
8|	|	5.83	|1.5	|3.6439|	-.4	| -.5694| 0.	| 0.	|
9|	|	6.67	|1.5	|3.7992|	-.4	| -.5936| 0.	| 0.	|
10|D	|	7.5 |1.5		|3.9386|	-.4	| -.6154| 0.	| 0.	|

	P.to		z		ct(z)	ce(z)	fal.1 esterno		fal.1 interno	
						cp	p(z)	cp	p(z)
10|B	|	7.	|0.		|3.8566|	-.4	| -.6026| 0.	| 0.	|
11|	|	7.	|0.		|3.8566|	-.4	| -.6026| 0.	| 0.	|
12|	|	7.	|0.		|3.8566|	-.4	| -.6026| 0.	| 0.	|
13|	|	7.	|0.		|3.8566|	-.4	| -.6026| 0.	| 0.	|
14|	|	7.	|0.		|3.8566|	-.4	| -.6026| 0.	| 0.	|
15|	|	7.	|0.		|3.8566|	-.4	| -.6026| 0.	| 0.	|
16|	|	7.	|0.		|3.8566|	-.4	| -.6026| 0.	| 0.	|
17|	|	7.	|0.		|3.8566|	-.4	| -.6026| 0.	| 0.	|
18|	|	7.	|0.		|3.8566|	-.4	| -.6026| 0.	| 0.	|
19|C	|	7.	|0.		|3.8566|	-.4	| -.6026| 0.	| 0.	|

	P.to		z		ct(z)	ce(z)	fal.2 esterno		fal.2 interno	
						cp	p(z)	cp	p(z)
10|D	|	7.	|0.		|3.8566|	-.4	| -.6026| 0.	| 0.	|
11|	|	7.	|0.		|3.8566|	-.4	| -.6026| 0.	| 0.	|
12|	|	7.	|0.		|3.8566|	-.4	| -.6026| 0.	| 0.	|
13|	|	7.	|0.		|3.8566|	-.4	| -.6026| 0.	| 0.	|
14|	|	7.	|0.		|3.8566|	-.4	| -.6026| 0.	| 0.	|
15|	|	7.	|0.		|3.8566|	-.4	| -.6026| 0.	| 0.	|
16|	|	7.	|0.		|3.8566|	-.4	| -.6026| 0.	| 0.	|
17|	|	7.	|0.		|3.8566|	-.4	| -.6026| 0.	| 0.	|
18|	|	7.	|0.		|3.8566|	-.4	| -.6026| 0.	| 0.	|
19|C	|	7.	|0.		|3.8566|	-.4	| -.6026| 0.	| 0.	|

	P.to		z		pf(z)	
1|A-E	|	0.	|	.0126|	
2|	|	.83	|	.0126|	
3|	|	1.67	|	.0126|	
4|	|	2.5	|	.0126|	
5|	|	3.33	|	.0126|	
6|	|	4.17	|	.0128|	
7|	|	5.	|	.0135|	
8|	|	5.83	|	.0142|	
9|	|	6.67	|	.0148|	
10|B-D	|	7.5	|	.0154|	
11|	|	7.	|	.0151|	
12|	|	7.	|	.0151|	
13|	|	7.	|	.0151|	
14|	|	7.	|	.0151|	
15|	|	7.	|	.0151|	
16|	|	7.	|	.0151|	
17|	|	7.	|	.0151|	
18|	|	7.	|	.0151|	

19|C | 7. | .0151||

9 QUADRO DELLE COMBINAZIONI ADOTTATE

Ai finidelle verifiche agli stati limite si definiscono le seguenti combinazioni:

- Combinazione fondamentale, generalmente impiegata per gli stati limite ultimi (SLU):

$$\gamma_{G1}\cdot G_1 + \gamma_{G2}\cdot G_2 + \gamma_P\cdot P + \gamma_{Q1}\cdot Q_{k1} + \gamma_{Q2}\cdot\psi_{02}\cdot Q_{k2} + \gamma_{Q3}\cdot\psi_{03}\cdot Q_{k3} + \ldots \quad (2.5.1)$$

- Combinazione caratteristica (rara), generalmente impiegata per gli stati limite di esercizio (SLE) irreversibili, da utilizzarsi nelle verifiche alle tensioni ammissibili di cui al § 2.7:

$$G_1 + G_2 + P + Q_{k1} + \psi_{02}\cdot Q_{k2} + \psi_{03}\cdot Q_{k3} + \ldots \quad (2.5.2)$$

- Combinazione frequente, generalmente impiegata per gli stati limite di esercizio (SLE) reversibili:

$$G_1 + G_2 + P + \psi_{11}\cdot Q_{k1} + \psi_{22}\cdot Q_{k2} + \psi_{23}\cdot Q_{k3} + \ldots \quad (2.5.3)$$

- Combinazione quasi permanente (SLE), generalmente impiegata per gli effetti a lungo termine:

$$G_1 + G_2 + P + \psi_{21}\cdot Q_{k1} + \psi_{22}\cdot Q_{k2} + \psi_{23}\cdot Q_{k3} + \ldots \quad (2.5.4)$$

- Combinazione sismica, impiegata per gli stati limite ultimi e di esercizio connessi all'azione sismica E (v. § 3.2):

$$E + G_1 + G_2 + P + \psi_{21}\cdot Q_{k1} + \psi_{22}\cdot Q_{k2} + \ldots \quad (2.5.5)$$

- Combinazione eccezionale, impiegata per gli stati limite ultimi connessi alle azioni eccezionali di progetto A_d (v. § 3.6):

$$G_1 + G_2 + P + A_d + \psi_{21}\cdot Q_{k1} + \psi_{22}\cdot Q_{k2} + \ldots \quad (2.5.6)$$

Nelle combinazioni per SLE, si intende che vengono omessi i carichi Q_{kj} che danno un contributo favorevole ai fini delle verifiche e, se del caso, i carichi G_2.

Le combinazioni di carico SLE sono utilizzate per le analisi allo stato limite di esercizio, le combinazioni di carico SLE-QP e SLE-FR sono utilizzate per le analisi di fessurazione, mentre quelle SLU per le analisi allo stato limite ultimo.

10 MODELLO DI CALCOLO

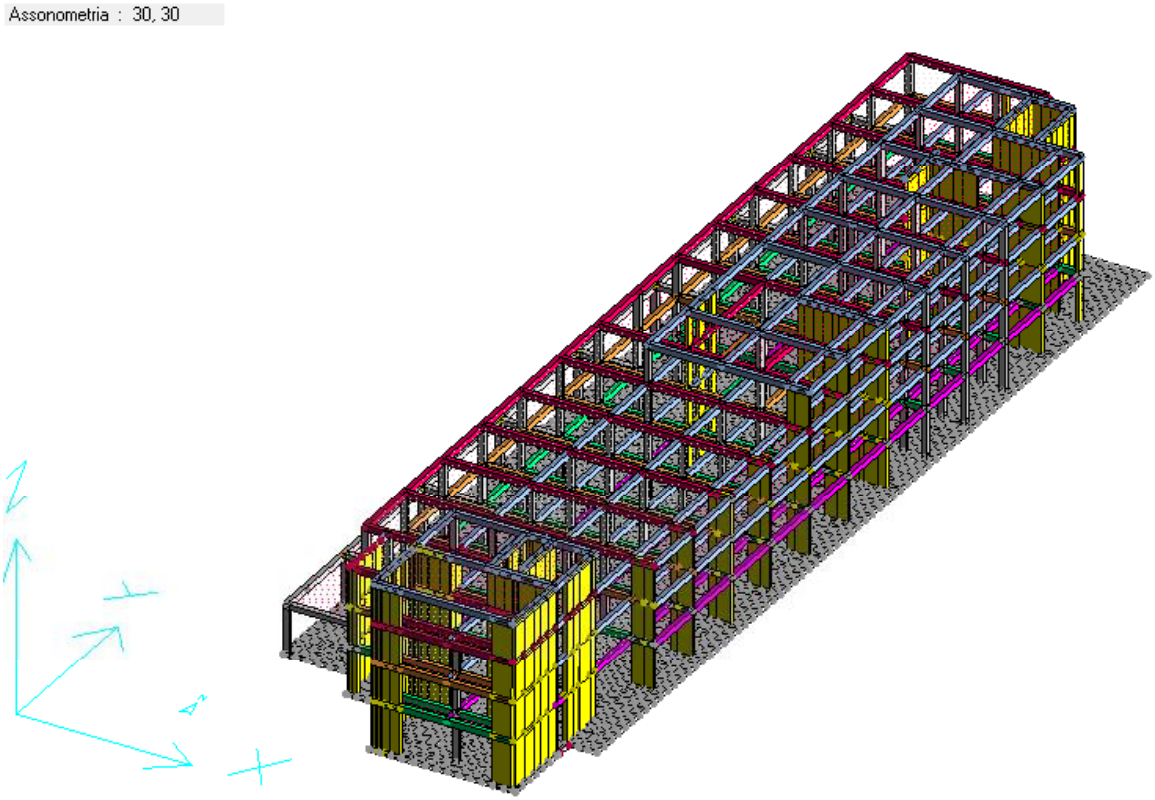
Per la determinazione delle azioni massime utili al dimensionamento degli elementi strutturali principali i vari elementi che compongono la struttura sono stati schematizzati in maniera classica come elementi di tipo beam per le travi e i pilastri e come shell per la platea di fondazione ed i setti, mentre i pali sono modellati come vincoli esterni.

Le analisi strutturali, statica e dinamica per la fase sismica, sono state elaborate predisponendo le combinazioni carico per la conduzione delle verifiche nei riguardi degli Stati Limite di Esercizio (**CAR** *"Combinazioni Caratteristiche e Rare"*, **FR** *"Combinazioni Frequenti"* e **QP** *"Combinazioni Quasi Permanenti"*) e degli Stati Limite Ultimi (**STR** *"Combinazioni Verifiche Strutturali"*).

L'analisi sismica è stata condotta secondo quanto esposto nelle NTC del 2008.

Sono state assegnate le masse strutturali per l'aliquota corrispondente sia ai pesi strutturali, sia ai permanenti che agli accidentali che devono essere considerati in fase sismica.

Di seguito si riportano le illustrazioni del modello statico-sismico estrapolate dal programma di calcolo CDM DOLMEN.



Modello di calcolo: vista 3D

11 RISULTATI DELLE ANALISI

11.1 Verifica pilastrata

VERIFICA PILASTRO IN CEMENTO ARMATO

```
Nome pilastro      : P014  (ID=141)
Metodo di verifica : stati limite - NTC08 (q=3.12)
Duttilita'         : bassa con gerarchia.
Unita' di misura   : cm; daN; daN/cm; daNcm; daN/cm2; deform. %.
Unita' particolari : fessure [Wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
Copriferri (assi)  : longitudinali= 3.5 ; staffe= 2.5
```

MATERIALI

```
CLS    : C32/40; Rck=400; fck=332; fctk=21.69; fctm=30.99; Ecm=336428;
         gc=1.5; fcd=188.1; fbd=32.54; fctd=14.46; Ecu=0.35%
ACCIAIO: B450C; ftk=5175; fyk=4500; Es=2100000;
         gs=1.15; fyd=3913; ftd=4500; fud=4439.8; Eud=6.75%
```

TENSIONI MASSIME IN ESERCIZIO

```
GRUPPO : aggressivo.
CLS    :  sc (rara)=199.2;  sc (quasi permanente)=149.4; fbd(esercizio)=32.54
ACCIAIO:  sf (rara)=3600; Coeff.Omogein.=15
```

SEZIONI UTILIZZATE

```
 1) Circolare: diametro=50; Acls=1961.48; iy=12.49; iz=12.49
 3) Rettangolare: base=50; alt.=30; Acls=1500; iy=14.43; iz=8.66
```

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

```
As Se| ez | ey |Lassi Lnet  Lcr.I Lcr.S| Af    % arm                          |
 1| 1|2.5 |2.5 |400. |360. | 60. | 60. | 60.82| 3.101|16Φ22                   |
 2| 3|2.5 |2.  |320. |280. | 50. | 50. | 45.62| 3.041|12Φ22                   |
 3| 3|2.5 |2.  |320. |280. | 50. | 50. | 45.62| 3.041|12Φ22                   |
```

CASI DI CARICO

```
Nome|   Descrizione       |Tipo          |Ses|
   1|SLU Max Var          |SLU (statico) |  1|
   2|SLU Max Neve         |SLU (statico) |  1|
   3|SLU VENTOX 1         |SLU (statico) |  2|
   4|SLU VENTOY 1         |SLU (statico) |  2|
   5|SLU VENTOX 2         |SLU (statico) |  2|
   6|SLU VENTOY 2         |SLU (statico) |  2|
   7|SLU VENTOX 3         |SLU (statico) |  2|
   8|SLU VENTOY 3         |SLU (statico) |  2|
  11|SLU con SISMAX PRINC |SLU (sismico) | 16|
  12|SLU con SISMAY PRINC |SLU (sismico) | 16|
  25|Rara                 |RARA          |  1|
  26|Rara VentoX 1        |RARA          |  2|
  27|Rara VentoY 1        |RARA          |  2|
  28|Rara VentoX 2        |RARA          |  2|
  29|Rara VentoY 2        |RARA          |  2|
  30|Rara VentoX 3        |RARA          |  2|
  31|Rara VentoY 3        |RARA          |  2|
  32|Frequente 1          |FREQUENTE     |  1|
  33|Frequente 2          |FREQUENTE     |  1|
  34|Frequente VentoX 3   |FREQUENTE     |  2|
  35|Frequente VentoY 3   |FREQUENTE     |  2|
  36|Quasi Perm           |QUASI PERMAN. |  1|
```

GERARCHIA DELLE RESISTENZE

```
MOMENTI ULTIMI:
Asta  | caso   Myu- min | caso   Myu+ min | caso   Mzu- min | caso   Mzu+ min |
 1|inf| 11- 5|-4552310. | 11- 5| 4561165. | 12-13|-4631095. | 12-13| 4648490. |
 1|sup| 11- 5|-4599840. | 11- 5| 4597390. | 12-13|-4703860. | 12-13| 4692520. |
 2|inf| 11- 5|-3811425. | 11- 5| 3801200. | 12-13|-2508015. | 12-13| 2516550. |
 2|sup| 11- 5|-3783125. | 11- 5| 3747225. | 12-13|-2511375. | 12-13| 2502435. |
 3|inf| 11- 5|-3562925. | 11- 5| 3543400. | 12-13|-2321280. | 12-13| 2331150. |
 3|sup| 11- 5|-3570125. | 11- 5| 3520275. | 12-13|-2284095. | 12-13| 2274315. |

TAGLI GERARCHIA:
Asta  | caso   VEyd-    | caso   VEyd+    | caso   VEzd-    | caso   VEzd+    |
     1| 11-15|  -29106.7| 11-10|   29127.9| 12-15|  -28608.8| 12-13|   28598.2|
     2| 11-15|  -20214.5| 11-10|   20230.5| 12-15|  -30913.9| 12-13|   30883.7|
     3| 11-10|  -19223.1| 11-10|   19288. | 12- 4|  -29372.3| 12- 4|   29321.7|
```

VERIFICHE ALLO STATO LIMITE ULTIMO

```
PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):
Asta Caso |  NEd   |  MEyd        |  MEzd        |E cls|  sc  |E acc|  sf  |VE|
> 1|  3- 2|-190127.| -531194.|2.16| -529795.|5.45|-.061| -97.7|-.021|-431.4|SI|
  1|  3- 2|-188850.|  -42911.|1.12|    8211.|1.11|-.044| -73.1|-.041|-859.7|SI|
  1|  3- 2|-187574.|  524062.|3.1 |  522683.|4.67|-.061| -96.6|-.02 |-422.8|SI|
```

```
> 2|  3- 2|-131979.| -347983.|3.  | -302333.|5.25|-.069|-107.1|-.015|-310.7|SI|
  2|  3- 1|-131136.|    2952.|1.05|   17979.|1.15|-.04 | -67.4|-.037|-775.5|SI|
  2|  3- 2|-130419.|  343870.|2.83|  298759.|3.43|-.066|-103.9|-.016|-328.9|SI|
> 3| 11- 7| -35610.| -246510.|1.01| -457822.|1.04|-.048| -79.1| .026| 543.5|SI|
  3|  3- 2| -71611.|   15328.|1.03|  -20907.|1.08|-.022| -38.3|-.019|-399.8|SI|
  3| 11- 7| -34410.|  299477.|1.01|  473439.|1.04|-.051| -83.9| .031| 648.1|SI|

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7.2]:
Asta  | Caso |  NEd    |   NB    |fi eff|  Jn    |Jcls/Jn|MEd/M0Ed| nu  |
 1|inf|  3- 2|-190126.6|-1807427 | 3.   | 87094.2| 3.5153|  1.1176| .515|
 2|inf|  3- 2|-131979.1|-2546466 | 3.   | 78531.9| 3.9793|  1.0547| .468|
 3|sup| 11- 7| -34409.9|-2515604 | 3.   | 77580.1| 4.0281|  1.0144| .126|

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7.2]:
Asta  | Caso |  NEd    |   NB    |fi eff|  Jn    |Jcls/Jn|MEd/M0Ed| nu  |
 1|inf|  3- 2|-190126.6|-1848939 | 3.   | 89094.5| 3.4364|  1.1146| .515|
 2|inf|  3- 2|-131979.1|-1039793 | 3.   | 32066.8| 3.5083|  1.1454| .468|
 3|sup| 11- 7| -34409.9|-1023542 | 3.   | 31565.6| 3.564 |  1.036 | .126|

TAGLIO Y:
Asta  | Caso | VEd    VEd ger. | VRd      VRsd     VRcd    | Asw | s  |ctgT|VE|
 1|inf| 11-10| -3709.1| 29127.9| 65319.3| 65792.9| 65319.3| 2.26| 9. |2.05|SI|
 1|cen| 11-10| -3709.1| 29127.9| 34386.5| 34386.5| 57161.3| 2.26|21. |2.5 |SI|
 1|sup| 11-10| -3709.1| 29127.9| 65319.3| 65792.9| 65319.3| 2.26| 9. |2.05|SI|
 2|inf| 11-10| -1860.5| 20230.5| 51473.6| 52368.7| 51473.6| 3.39|13. |2.15|SI|
 2|cen| 11-10| -1860.5| 20230.5| 25130.8| 25130.8| 46417. | 2.26|21. |2.5 |SI|
 2|sup| 11-10| -1860.5| 20230.5| 51473.6| 52368.7| 51473.6| 3.39|13. |2.15|SI|
 3|inf| 11- 5|  2860.9| 19228.1| 49776.1| 49932.9| 49776.1| 3.39|13. |2.05|SI|
 3|cen| 11-10| -2417.7| 19288. | 25130.8| 25130.8| 43661.1| 2.26|21. |2.5 |SI|
 3|sup| 11- 5|  2860.9| 19228.1| 49588.1| 49932.9| 49588.1| 3.39|13. |2.05|SI|

TAGLIO Z:
Asta  | Caso | VEd    VEd ger. | VRd      VRsd     VRcd    | Asw | s  |ctgT|VE|
 1|inf| 12-15| -3886.5|-28608.8| 65319.3| 65792.9| 65319.3| 2.26| 9. |2.05|SI|
 1|cen| 12-15| -3886.5|-28608.8| 34386.5| 34386.5| 57161.3| 2.26|21. |2.5 |SI|
 1|sup| 12-15| -3886.5|-28608.8| 65319.3| 65792.9| 65319.3| 2.26| 9. |2.05|SI|
 2|inf| 12-15| -2977. |-30913.9| 56688.3| 56987.4| 56688.3| 2.26|13. |2.  |SI|
 2|cen| 12-15| -2977. |-30913.9| 44097.4| 44097.4| 48869.3| 2.26|21. |2.5 |SI|
 2|sup| 12-15| -2977. |-30913.9| 56688.3| 56987.4| 56688.3| 2.26|13. |2.  |SI|
 3|inf| 12- 4|  2577.7|-29372.3| 54139.7| 55562.8| 54139.7| 2.26|13. |1.95|SI|
 3|cen| 12- 4|  2577.7|-29372.3| 44097.4| 44097.4| 45891.5| 2.26|21. |2.5 |SI|
 3|sup| 12- 4|  2577.7|-29372.3| 54138.1| 54138.1| 54747.3| 2.26|13. |1.9 |SI|

NEd LIMITE (NEd < Nmax , Nmax=65% di Ncls ; Ncls=fcd*Ac) [7.4.4.2.2.1]:
Asta  | Caso |  NEd    |  Nmax   |  Ncls   |% Ncls|VE|
     1| 11-12| -111725.4| -239862.5| -369019.3| 30.28|SI|
     2| 11-12|  -73622.4| -183430. | -282200. | 26.09|SI|
     3| 11-12|  -36952.7| -183430. | -282200. | 13.09|SI|

                    VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

RARE:
Asta  | Caso |  NEd    |  MEyd   |  MEzd    |  σc  |  σf   |VE|
 1|inf| 26- 1| -134323.9| -182381.8| -106581.2| -56.9| -582.5|SI|
 1|cen| 26- 2| -133399.4|  -28433.5|    4395.5| -48.8| -693.5|SI|
 1|sup| 26- 1| -132360.4|  125423.2|  108729.9| -53.4| -597.3|SI|
 2|inf| 26- 1|  -92938.4|  -85962.4|  -52169.9| -53.1| -534.9|SI|
 2|cen| 26- 1|  -92338.4|    2031.4|   10970.9| -44.8| -627.9|SI|
 2|sup| 26- 1|  -91738.4|   90025.2|   74111.6| -52.8| -523.9|SI|
 3|inf| 26- 1|  -50725.8| -114343.1|  -63284.6| -35.1| -216.8|SI|
 3|cen| 26- 2|  -50146.4|   11053.8|  -13443.4| -24.9| -335.1|SI|
 3|sup| 26- 1|  -49525.8|  136445.4|   37497.7| -33. | -224. |SI|

FREQUENTI:
Asta  | Caso |  NEd    |  MEyd   |  MEzd    |  σc  |  σf   |VE|
 1|inf| 32- 1| -113046.6| -177813. |  -68758.7| -49.1| -481.9|SI|
 1|cen| 32- 1| -112064.9|  -27867.5|    2298.5| -41.2| -580. |SI|
 1|sup| 32- 1| -111083.1|  122078. |   73355.8| -45.7| -501.7|SI|
 2|inf| 32- 1|  -74431.8|  -83801.1|  -32485. | -42.5| -427.3|SI|
 2|cen| 32- 1|  -73831.8|    1920.1|    7441.4| -35.7| -503.5|SI|
 2|sup| 32- 1|  -73231.8|   87641.3|   47367.8| -42. | -418.8|SI|
 3|inf| 32- 1|  -37205.1| -111407.9|  -40587.4| -26.7| -146.3|SI|
 3|cen| 32- 1|  -36605.1|   10781. |   -8546.7| -18.2| -244. |SI|
 3|sup| 32- 1|  -36005.1|  132969.9|   23494.1| -25.4| -143.8|SI|

QUASI PERMANENTI:
Asta  | Caso |  NEd    |  MEyd   |  MEzd    |  σc  |  σf   |VE|
 1|inf| 36- 1| -109918.6| -176456.2|  -67985.2| -47.9| -466.2|SI|
 1|cen| 36- 1| -108936.9|  -27663.4|    2002.5| -40.1| -563.5|SI|
 1|sup| 36- 1| -107955.1|  121129.3|   71990.1| -44.5| -486.1|SI|
 2|inf| 36- 1|  -72250.8|  -83217.3|  -31765.1| -41.4| -413.4|SI|
 2|cen| 36- 1|  -71650.8|    1878.4|    7276.6| -34.7| -488.6|SI|
 2|sup| 36- 1|  -71050.8|   86974. |   46318.3| -40.8| -404.7|SI|
 3|inf| 36- 1|  -36271.8| -110600.3|  -39665.4| -26.1| -141.2|SI|
 3|cen| 36- 1|  -35671.8|   10722.2|   -8368.6| -17.7| -237.6|SI|
 3|sup| 36- 1|  -35071.8|  132044.7|   22928.1| -24.9| -138.4|SI|
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11.2 Verifica travata

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                VERIFICA TRAVATA IN CEMENTO ARMATO
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Nome travata       : 27 - Travata T032 (trave)
Metodo di verifica : stati limite (NTC08).
Unità di misura    : cm; daN; daN/cm; daNcm; daN/cm2; deform. %.
Unità particolari  : fessure [Wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
Copriferri (assi)  : longitudinali= 4 ; staffe= 3

              MATERIALI

CLS    : Rck =400. ; fck=332. ; fctk= 21.7; fctm= 31. ; Ec= 336428. ;
         gc =1.5 ; fcd=188.1; fbd= 32.5; fctd= 14.5; Ecud=.35%
ACCIAIO: B450C; ftk=5175. ; fyk=4500. ; Es=2100000. ;
         gs =1.15; fyd=3913. ; ftd(k*fyd)=4500. ; fud=4439.8; Eud=6.75%

              TENSIONI E FESSURE MASSIME IN ESERCIZIO

GRUPPO : aggressivo.
CLS    :  σc (rara)=199.2;  σc (quasi permanente)=149.4; fbd(esercizio)= 32.5
ACCIAIO:  σf (rara)=3600.; Coeff.Omogein.= 15
FESSURE: Wdmax(fre.)=.3  ; Wdmax(q.p.)=.2  [4.1.2.2.4.5];
         kt=.4 [EN 1992-1 7.3.4].

              SEZIONI UTILIZZATE

 3) Rettangolare: base=70.; alt.=40.; Acls=2800. .

              DESCRIZIONE CAMPATE

Cam.| Descriz. |S.ini|Sez. |S.fin|Incl.|L.assi|L.net.|lambda | K |r.Ar.|lam.max|
   1|     A2096|    3|    3|    3|    0|  185.|  135.|  4.617|1.3|5.   |105.937|
   2|     A2095|    3|    3|    3|    0|  535.|  510.| 13.383|1.5|2.308| 56.414|
   3|     A1233|    3|    3|    3|    0|  600.|  600.| 14.998|1.5|1.84 | 44.973|
   4|     A1399|    3|    3|    3|    0|   50.|   50.|  1.244|1.5|1.   | 24.817|
   5|     A1343|    3|    3|    3|    0|   90.|   90.|  2.25 |1.5|1.   | 27.842|
   6|     A1344|    3|    3|    3|    0|   75.|   60.|  1.881|1.5|5.   |139.209|
   7|     A1234|    3|    3|    3|    0|  195.|  180.|  4.875|1.5|4.528|126.067|
   8|     A1351|    3|    3|    3|    0|   71.|   71.|  1.78 |1.5|1.   | 27.842|
   9|     A1394|    3|    3|    3|    0|   59.|   44.|  1.469|1.3|5.   |120.647|

              CASI DI CARICO DA MODELLO 3D

           SLU           |
Nome   Descrizione    Sest|
 1.|SLU                 1.|
 2.|SLU VENTOX          2.|
 3.|SLU VENTOY          2.|

           RARE          |         FREQUENTI         |    QUASI PERMANENTI      |
Nome   Descrizione    Sest|Nome   Descrizione    Sest|Nome   Descrizione    Sest|
 7.|Rara                1.|10.|Frequente           1.|13.|Quasi Perm          1.|
 8.|Rara VentoX         2.|11.|Frequente VentoX    2.|                          |
 9.|Rara VentoY         2.|12.|Frequente VentoY    2.|                          |

              VERIFICHE ALLO STATO LIMITE ULTIMO

FLESSIONE:

Progressive|SE|Ar|  Msd     Epscl Epsac|   Mrd    Epscl Epsac Cam x/d |Mr/Ms|VE|
>   0.|  0.|3.|1.| -394091.!-.014! .038!-2096537.|-.35 |2.511|3.| .122!5.32 !SI|
   16.| 16.|3.|1.|   30025.|-.001| .002| 3055166.|-.35 |1.888|3.| .156|101.8|SI|
   92.| 92.|3.|2.|  159647.!-.005| .01 |  3060392.!-.35 |1.958|3.| .152|19.17|SI|
  185.|185.|3.|2.| -230833.|-.008| .019|-2388036.!-.35 |2.382|3.| .128|10.35|SI|
  185.|185.|3.|2.|     900.|0.    |0.    | 3060392.|-.35 |1.958|3.| .152|3402.!SI|
> 185.|  0.|3.|2.|-1751809.|-.06 | .148|-2388036.|-.35 |2.382|3.| .128|1.363|SI|
  293.|108.|3.|2.|  -72359.|-.002| .006|-2388036.|-.35 |2.382|3.| .128|33.  !SI|
  293.|108.|3.|2.|  439012.|-.014| .029| 3060392.!-.35 |1.958|3.| .152|6.971|SI|
  336.|151.|3.|1.|  945559.|-.031| .062| 3055166.|-.35 |1.888|3.| .156!3.231|SI|
  422.|237.|3.|1.| 1323954.!-.044| .087| 3055166.|-.35 |1.888|3.| .156|2.308|SI|
  594.|409.|3.|1.| -233993.|-.008| .022|-2096537.|-.35 |2.511|3.| .122!8.96 |SI|
  720.|535.|3.|3.|-2829647.!-.086! .16 !-3548594.!-.35 |1.898|3.| .156|1.254|SI|
> 720.|  0.|3.|3.|-3437603.!-.179! .655!-3548594.|-.35 |1.898|3.| .156|1.032|SI|
  807.|  87.|3.|4.|-1430213.|-.036| .052|-5409282.!-.35 |1.243|3.| .22 !3.782|SI|
  855.|135.|3.|5.|  284633.|-.006| .009| 5919146.!-.35 |1.343|3.| .207|20.8 |SI|
 1044.|324.|3.|1.| 1660756.!-.055| .109| 3055166.|-.35 |1.888|3.| .156|1.84 |SI|
 1233.|513.|3.|7.|  -881920.|-.035| .085|-2088450.|-.35 |2.285|3.| .133!2.368|SI|
 1320.|600.|3.|8.|-2717444.|-.096| .155|-3492524.|-.35 |1.403|3.| .2   |1.285|SI|
>1320.|  0.|3.|8.|-1768681.!-.06 ! .101!-3492524.|-.35 |1.403|3.| .2   |1.975!SI|
 1370.|  50.|3.|8.|  -698564.!-.023| .04 |-3492524.!-.35 |1.403|3.| .2   !5.   !SI|
>1370.|  0.|3.|8.|  -218482.!-.007! .012!-3492524.!-.35 |1.403|3.| .2   !15.99!SI|
 1460.|  90.|3.|7.|   -24803.!-.001| .002|-2088450.!-.35 |2.285|3.| .133!84.2 !SI|
>1460.|  0.|3.|7.|   -24803.!-.001| .002|-2088450.!-.35 |2.285|3.| .133!84.2 !SI|
 1460.|  0.|3.|7.|    30143.|-.001| .005| 1319479.!-.35 |2.892|3.| .108!43.77|SI|
 1504.|  44.|3.|7.|    69111.!-.003! .011! 1319479.|-.35 |2.892|3.| .108|19.09!SI|
 1535.|  75.|3.|7.|    60458.|-.003| .009| 1319479.|-.35 |2.892|3.| .108|21.83|SI|
>1535.|  0.|3.|7.|   205302.|-.009| .032| 1319479.!-.35 |2.892|3.| .108!6.427|SI|
 1590.|  55.|3.|7.|   291405.!-.013| .046| 1319479.|-.35 |2.892|3.| .108|4.528|SI|
 1657.|122.|3.|7.|    -4246.|0.    |0.    |-2088450.|-.35 |2.285|3.| .133|491.9!SI|
 1730.|195.|3.|7.|  -554954.!-.022! .054!-2088450.!-.35 |2.285|3.| .133!3.763!SI|
>1730.|  0.|3.|7.|  -554954.!-.022! .054!-2088450.|-.35 |2.285|3.| .133|3.763!SI|
 1801.|  71.|3.|7.|   -99710.!-.004| .01 |-2088450.!-.35 |2.285|3.| .133!20.95!SI|
>1801.|  0.|3.|7.|    -3657.|0.    |0.    |-2088450.|-.35 |2.285|3.| .133|571. !SI|
 1801.|  0.|3.|7.|    18887.|-.001| .003| 1319479.!-.35 |2.892|3.| .108!69.86|SI|
 1829.|  28.|3.|7.|    24090.!-.001! .004! 1319479.|-.35 |2.892|3.| .108|54.77!SI|
 1860.|  59.|3.|7.|    -4878.!0.    |0.    |-2088450.!-.35 |2.285|3.| .133|428.1|SI|
 1860.|  59.|3.|7.|    18637.|-.001| .003| 1319479.|-.35 |2.892|3.| .108|70.8 |SI|
```

VERIFICHE A TAGLIO

TAGLIO:

Progressive	Se	Vsd	VRd	VRcd	VRsd	Asw	s	ctgT	Ve
> 0.	0.	3.	-27278.	11718.	73567.	70809.	2.01	9.	2.5	SI
0.	0.	3.	30929.	11718.	73567.	70809.	2.01	9.	2.5	SI
185.	185.	3.	-31665.	15013.	73567.	70809.	2.01	9.	2.5	SI
185.	185.	3.	24914.	15013.	73567.	70809.	2.01	9.	2.5	SI
> 185.	0.	3.	24364.	15013.	73567.	70809.	2.01	9.	2.5	SI
720.	535.	3.	-29955.	17274.	73567.	70809.	2.01	9.	2.5	SI
> 720.	0.	3.	33132.	17274.	73567.	70809.	2.01	9.	2.5	SI
1320.	600.	3.	-30713.	14334.	73567.	42485.	2.01	15.	2.5	SI
>1320.	0.	3.	33469.	14334.	73567.	42485.	2.01	15.	2.5	SI
1370.	50.	3.	28859.	14334.	73567.	42485.	2.01	15.	2.5	SI
>1370.	0.	3.	6321.	14334.	73567.	42485.	2.01	15.	2.5	SI
1460.	90.	3.	-2049.	12140.	73567.	42485.	2.01	15.	2.5	SI
>1460.	0.	3.	4193.	12140.	73567.	70809.	2.01	9.	2.5	SI
1535.	75.	3.	-3081.	12140.	73567.	70809.	2.01	9.	2.5	SI
>1535.	0.	3.	5940.	12140.	73567.	70809.	2.01	9.	2.5	SI
1730.	195.	3.	-12566.	14334.	73567.	70809.	2.01	9.	2.5	SI
>1730.	0.	3.	10067.	14334.	73567.	42485.	2.01	15.	2.5	SI
1801.	71.	3.	5447.	11718.	73567.	42485.	2.01	15.	2.5	SI
>1801.	0.	3.	1912.	11718.	73567.	42485.	2.01	15.	2.5	SI
1829.	28.	3.	123.	12140.	73567.	42485.	2.01	15.	2.5	SI
1860.	59.	3.	-1946.	11718.	73567.	42485.	2.01	15.	2.5	SI

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

TENSIONI DI ESERCIZIO E FESSURAZIONE - RARE:

Progressive	Se	Ar	Momento	σc	σf	As	hc,ef	Eps%	Sr,max	Wd	Ve
> 0.	0.	3.	1.	-279157.	-15.4	567.6	15.21	9.86	.0162	38.47	.062	SI
16.	16.	3.	1.	-255723.	-14.1	520.	15.21	9.86	.0149	38.47	.057	SI
41.	41.	3.	1.	-166739.	-9.2	339.	15.21	9.86	.0097	38.47	.037	SI
92.	92.	3.	2.	112309.	-5.7	154.9	22.81	9.06	.0044	20.25	.009	SI
185.	185.	3.	2.	-155605.	-8.2	276.6	17.47	9.65	.0079	22.91	.018	SI
> 185.	0.	3.	2.	-1217669.	-64.	2164.6	17.47	9.65	.0766	22.91	.175	SI
422.	237.	3.	1.	927944.	-48.4	1281.8	22.81	8.99	.0411	20.18	.083	SI
720.	535.	3.	3.	-1990336.	-91.4	2358.	26.61	8.92	.0947	18.64	.177	SI
> 720.	0.	3.	3.	-2419991.	-111.2	2867.	26.61	8.92	.119	18.64	.222	SI
1044.	324.	3.	1.	1163468.	-60.7	1607.1	22.81	8.99	.0566	20.18	.114	SI
1320.	600.	3.	8.	-1889818.	-100.9	2267.5	26.61	8.53	.091	18.25	.166	SI
>1320.	0.	3.	8.	-1229932.	-65.7	1475.7	26.61	8.53	.0533	18.25	.097	SI
1370.	50.	3.	8.	-152376.	-8.1	182.8	26.61	8.53	.0052	18.25	.01	SI
>1370.	0.	3.	8.	-152376.	-8.1	182.8	26.61	8.53	.0052	18.25	.01	SI
1443.	74.	3.	7.	-4582.	-.3	9.4	15.21	9.5	.0003	37.06	.001	SI
1460.	90.	3.	7.	-18224.	-1.2	37.3	15.21	9.5	.0011	37.06	.004	SI
>1460.	0.	3.	7.	-18224.	-1.2	37.3	15.21	9.5	.0011	37.06	.004	SI
1504.	44.	3.	7.	51789.	-3.7	171.1	9.24	10.	.0049	29.26	.014	SI
1535.	75.	3.	7.	26289.	-1.9	86.9	9.24	10.	.0025	29.26	.007	SI
>1535.	0.	3.	7.	106406.	-7.6	351.6	9.24	10.	.01	29.26	.029	SI
1590.	55.	3.	7.	210830.	-15.1	696.7	9.24	10.	.0199	29.26	.058	SI
1730.	195.	3.	7.	-400749.	-25.6	820.	15.21	9.5	.0234	37.06	.087	SI
>1730.	0.	3.	7.	-400749.	-25.6	820.	15.21	9.5	.0234	37.06	.087	SI
1801.	71.	3.	7.	-2148.	-.1	4.4	15.21	9.5	.0001	37.06	0.	SI
>1801.	0.	3.	7.	-2138.	-.1	4.4	15.21	9.5	.0001	37.06	0.	SI
1829.	28.	3.	7.	16811.	-1.2	55.5	9.24	10.	.0016	29.26	.005	SI
1860.	59.	3.	7.	-4033.	-.3	8.3	15.21	9.5	.0002	37.06	.001	SI

TENSIONI DI ESERCIZIO E FESSURAZIONE - FREQUENTI:

Progressive	Se	Ar	Momento	σc	σf	As	hc,ef	Eps%	Sr,max	Wd	Ve
> 0.	0.	3.	1.	-259266.	-14.3	527.2	15.21	9.86	.0151	38.47	.058	SI
16.	16.	3.	1.	-239464.	-13.2	486.9	15.21	9.86	.0139	38.47	.054	SI
92.	92.	3.	2.	82321.	-4.2	113.5	22.81	9.06	.0032	20.25	.007	SI
185.	185.	3.	2.	-81331.	-4.3	144.6	17.47	9.65	.0041	22.91	.009	SI
> 185.	0.	3.	2.	-954492.	-50.2	1696.8	17.47	9.65	.0543	22.91	.124	SI
422.	237.	3.	1.	748650.	-39.1	1034.1	22.81	8.99	.0295	20.18	.06	SI
720.	535.	3.	3.	-1606823.	-73.8	1903.6	26.61	8.92	.0731	18.64	.136	SI
> 720.	0.	3.	3.	-1969149.	-90.5	2332.9	26.61	8.92	.0936	18.64	.174	SI
1044.	324.	3.	1.	935777.	-48.9	1292.6	22.81	8.99	.0416	20.18	.084	SI
1320.	600.	3.	8.	-1478285.	-78.9	1773.7	26.61	8.53	.0675	18.25	.123	SI
>1320.	0.	3.	8.	-961217.	-51.3	1153.3	26.61	8.53	.038	18.25	.069	SI
1370.	50.	3.	8.	-119829.	-6.4	143.8	26.61	8.53	.0041	18.25	.007	SI
>1370.	0.	3.	8.	-119829.	-6.4	143.8	26.61	8.53	.0041	18.25	.007	SI
1443.	74.	3.	7.	-5377.	-.3	11.	15.21	9.5	.0003	37.06	.001	SI
1460.	90.	3.	7.	-16570.	-1.1	33.9	15.21	9.5	.001	37.06	.004	SI
>1460.	0.	3.	7.	-16570.	-1.1	33.9	15.21	9.5	.001	37.06	.004	SI
1519.	59.	3.	7.	56420.	-4.	186.4	9.24	10.	.0053	29.26	.016	SI
1535.	75.	3.	7.	45860.	-3.3	151.5	9.24	10.	.0043	29.26	.013	SI
>1535.	0.	3.	7.	133227.	-9.5	440.2	9.24	10.	.0126	29.26	.037	SI
1590.	55.	3.	7.	186164.	-13.3	615.1	9.24	10.	.0176	29.26	.051	SI
1730.	195.	3.	7.	-351786.	-22.5	719.8	15.21	9.5	.0206	37.06	.076	SI
>1730.	0.	3.	7.	-351786.	-22.5	719.8	15.21	9.5	.0206	37.06	.076	SI
1801.	71.	3.	7.	1234.	-.1	4.1	9.24	10.	.0001	29.26	0.	SI
>1801.	0.	3.	7.	1240.	-.1	4.1	9.24	10.	.0001	29.26	0.	SI
1829.	28.	3.	7.	12230.	-.9	40.4	9.24	10.	.0012	29.26	.003	SI
1860.	59.	3.	7.	-5653.	-.4	11.6	15.21	9.5	.0003	37.06	.001	SI

TENSIONI DI ESERCIZIO E FESSURAZIONE - QUASI PERMANENTI:

Progressive	Se	Ar	Momento	σc	σf	As	hc,ef	Eps%	Sr,max	Wd	Ve
> 0.	0.	3.	1.	-248406.	-13.7	505.1	15.21	9.86	.0144	38.47	.056	SI

```
   16.| 16.|3.|1.|  -229365.| -12.6| 466.4|15.21| 9.86|  .0133| 38.47|  .051|SI|
   92.| 92.|3.|2.|    79924.!  -4.1| 110.2|22.81| 9.06|  .0031| 20.25|  .006|SI|
  185.|185.|3.|2.|   -80178.|  -4.2| 142.5|17.47| 9.65|  .0041| 22.91|  .009|SI|
> 185.|  0.|3.|2.|  -924503.| -48.6|1643.4|17.47| 9.65|  .0518| 22.91|  .119|SI|
  422.|237.|3.|1.|   727744.! -38. |1005.2|22.81| 8.99|  .0287| 20.18|  .058|SI|
  720.|535.|3.|3.| -1561380.! -71.7!1849.8!26.61| 8.92|  .0706| 18.64|  .131!SI|
> 720.|  0.|3.|3.| -1917199.! -88.1!2271.4!26.61| 8.92|  .0906| 18.64|  .169!SI|
 1044.|324.|3.|1.|   909623.! -47.5|1256.5|22.81| 8.99|  .0399| 20.18|  .08 |SI|
 1320.|600.|3.|8.| -1429357.| -76.3|1715. |26.61| 8.53|  .0647| 18.25|  .118|SI|
>1320.|  0.|3.|8.|  -929128.! -49.6!1114.8!26.61| 8.53|  .0362| 18.25|  .066!SI|
 1370.| 50.|3.|8.|  -116088.!  -6.2| 139.3|26.61| 8.53|  .004 | 18.25|  .007|SI|
>1370.|  0.|3.|8.|  -116088.!  -6.2! 139.3!26.61| 8.53|  .004 | 18.25|  .007!SI|
 1443.| 74.|3.|7.|    -5400.!   -.3|  11.1|15.21| 9.5 |  .0003| 37.06|  .001|SI|
 1460.| 90.|3.|7.|   -16440.|  -1.1|  33.6|15.21| 9.5 |  .001 | 37.06|  .004|SI|
>1460.|  0.|3.|7.|   -16440.!  -1.1|  33.6|15.21| 9.5 |  .001 | 37.06|  .004|SI|
 1519.| 59.|3.|7.|    55695.!  -4. ! 184. ! 9.24|10.  |  .0053| 29.26|  .015!SI|
 1535.| 75.|3.|7.|    45727.|  -3.3| 151.1| 9.24|10.  |  .0043| 29.26|  .013|SI|
>1535.|  0.|3.|7.|   131604.|  -9.4| 434.9| 9.24|10.  |  .0124| 29.26|  .036|SI|
 1590.| 55.|3.|7.|   180803.! -13. | 597.4| 9.24|10.  |  .0171| 29.26|  .05 |SI|
 1730.|195.|3.|7.|  -341582.! -21.8! 699. !15.21| 9.5 |  .02  | 37.06|  .074!SI|
>1730.|  0.|3.|7.|  -341582.! -21.8! 699. !15.21| 9.5 |  .02  | 37.06|  .074!SI|
 1801.| 71.|3.|7.|     1112.!   -.1|   3.7| 9.24|10.  |  .0001| 29.26| 0.   |SI|
>1801.|  0.|3.|7.|     1117.|   -.1|   3.7| 9.24|10.  |  .0001| 29.26| 0.   |SI|
 1829.| 28.|3.|7.|    11962.!   -.9!  39.5! 9.24|10.  |  .0011| 29.26|  .003!SI|
 1860.| 59.|3.|7.|    -5295.!   -.3|  10.8|15.21| 9.5 |  .0003| 37.06|  .001|SI|
```

ARMATURE LONGITUDINALI (%=100*Af/Acls - Acls=area intera sezione)

```
Nro|Totale   % |Super.   %        Barre        |Infer.   %        Barre        |
  1|38.01|1.358|15.21| .543|4d22               |22.81| .815|6d22               |
  2|40.28|1.438|17.47| .624|4d22 +2d12         |22.81| .815|6d22               |
  3|49.42|1.765|26.61| .95 |4d22 +3d22         |22.81| .815|6d22               |
  4|64.62|2.308|41.81|1.493|4d22 +4d22 +3d22   |22.81| .815|6d22               |
  5|76.03|2.715|30.41|1.086|4d22 +4d22         |45.62|1.629|6d22 +6d22         |
  6|47.25|1.687|15.21| .543|4d22               |32.04|1.144|6d14 +6d22         |
  7|24.44| .873|15.21| .543|4d22               | 9.24| .33 |6d14               |
  8|35.85|1.28 |26.61| .95 |4d22 +3d22         | 9.24| .33 |6d14               |
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11.3 Verifica platea di fondazione

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MACROGUSCIO fondazione

VERIFICA ARMATURE EFFETTIVE (EFFETTO MEMBRANA + PIASTRA)

unità di misura:
   lunghezze     : [cm]      -   forze       : [daN]
   momenti       : [daNcm/cm]-   tensioni    : [daN/cm2]
   pesi specifici: [daN/cm3] -   angoli      : [gradi]
   armature      : [cm2]

CASI DI CARICO:
    Nome  Descrizione
    1     SLU Max Var
    2     SLU Max Neve
    3     SLU VENTOX 1
    4     SLU VENTOY 1
    5     SLU VENTOX 2
    6     SLU VENTOY 2
    7     SLU VENTOX 3
    8     SLU VENTOY 3
    11    SLU con SISMAX PRINC
    12    SLU con SISMAY PRINC
    15    SLU FON con SISMAX P
    16    SLU FON con SISMAY P

DATI:
   tensione di snervamento acciaio (fyk): 4500    daN/cm2
   coefficiente sicurezza acciaio       : 1.15
   deformazione ultima acciaio          : 67.5    per mille
   deformazione ultima cls              :  3.5    per mille
   rapporto rottura/snervamento      (k): 1.15
   resistenza cilindrica cls       (fck): 373.5   daN/cm2
   coefficiente sicurezza cls           : 1.5
   coefficiente riduttivo         (alfa): 0.85
   copriferro inferiore  (asse armatura):  3      cm
   copriferro superiore  (asse armatura):  3      cm
   moltiplicatore sollecitazioni        :  1
```

```
          |            INFERIORE ORIZZONTALE          |           INFERIORE VERTICALE             |
GUSCI|spess|  Af    Afc     Mom      Nor   epsC  epsF |  Af    Afc     Mom      Nor   epsC  epsF |
9386 |  50 |16.96 16.96    2873.       5.  0.06  0.19 |16.96 16.96     650.       1.  0.01  0.04 |
9387 |  50 |16.96 16.96    2523.       4.  0.05  0.17 |16.96 16.96    1087.       0.  0.02  0.07 |
9388 |  50 |16.96 16.96    2608.       5.  0.05  0.18 |16.96 16.96     962.       1.  0.02  0.06 |
9389 |  50 |16.96 16.96    2399.       5.  0.05  0.16 |16.96 16.96    1100.       1.  0.02  0.07 |
9390 |  50 |16.96 16.96    2199.       4.  0.04  0.15 |16.96 16.96    1244.       1.  0.03  0.08 |
9391 |  50 |16.96 16.96    3164.       4.  0.07  0.21 |16.96 16.96     171.       1.  0.00  0.01 |
9392 |  50 |16.96 16.96    2816.       6.  0.06  0.19 |16.96 16.96       0.       3.  0.00  0.00 |
9393 |  50 |16.96 16.96    3005.       6.  0.06  0.20 |16.96 16.96       0.       4.  0.00  0.01 |
9394 |  50 |16.96 16.96    2849.       5.  0.06  0.19 |16.96 16.96     930.       2.  0.02  0.06 |
9395 |  50 |16.96 16.96    3099.       4.  0.07  0.21 |16.96 16.96     946.       0.  0.02  0.06 |
9396 |  50 |16.96 16.96    1045.       3.  0.02  0.07 |16.96 16.96    1529.       0.  0.03  0.10 |
9397 |  50 |16.96 16.96    1553.       5.  0.03  0.11 |16.96 16.96    1395.       1.  0.03  0.09 |
```

9398	50	16.96	16.96	1591.	6.	0.03	0.11	16.96	16.96	0.	2.	0.00	0.00
9399	50	16.96	16.96	2571.	6.	0.05	0.18	16.96	16.96	0.	4.	0.00	0.01
9400	50	16.96	16.96	790.	7.	0.01	0.06	16.96	16.96	0.	6.	0.00	0.01
9401	50	16.96	16.96	848.	5.	0.01	0.06	16.96	16.96	1545.	1.	0.03	0.10
9402	50	16.96	16.96	543.	5.	0.01	0.04	16.96	16.96	1896.	2.	0.04	0.13
9403	50	16.96	16.96	3183.	5.	0.07	0.21	16.96	16.96	0.	5.	0.00	0.01
9404	50	16.96	16.96	3735.	4.	0.08	0.25	16.96	16.96	0.	5.	0.00	0.01
9405	50	16.96	16.96	1900.	4.	0.04	0.13	16.96	16.96	1558.	-1.	0.04	0.10
9406	50	16.96	16.96	1561.	6.	0.03	0.11	16.96	16.96	83.	2.	0.00	0.01
9407	50	16.96	16.96	2866.	5.	0.06	0.19	16.96	16.96	0.	3.	0.00	0.00
9408	50	16.96	16.96	3006.	6.	0.06	0.20	16.96	16.96	0.	3.	0.00	0.00
9409	50	16.96	16.96	1633.	5.	0.03	0.11	16.96	16.96	1827.	2.	0.04	0.12
9410	50	16.96	16.96	1795.	6.	0.03	0.12	16.96	16.96	0.	5.	0.00	0.01
9411	50	16.96	16.96	3402.	4.	0.07	0.23	16.96	16.96	0.	5.	0.00	0.01
9412	50	16.96	16.96	2049.	4.	0.04	0.14	16.96	16.96	0.	4.	0.00	0.01
9413	50	16.96	16.96	0.	3.	0.00	0.00	16.96	16.96	1731.	0.	0.04	0.11
9414	50	16.96	16.96	0.	7.	0.00	0.01	16.96	16.96	1413.	1.	0.03	0.09
9415	50	16.96	16.96	0.	8.	0.00	0.01	16.96	16.96	0.	3.	0.00	0.00
9416	50	16.96	16.96	0.	7.	0.00	0.01	16.96	16.96	0.	4.	0.00	0.01
9417	50	16.96	16.96	2583.	6.	0.05	0.18	16.96	16.96	0.	2.	0.00	0.00
9418	50	16.96	16.96	781.	7.	0.01	0.06	16.96	16.96	0.	4.	0.00	0.01
9419	50	16.96	16.96	0.	9.	0.00	0.01	16.96	16.96	0.	6.	0.00	0.01
9420	50	16.96	16.96	0.	7.	0.00	0.01	16.96	16.96	1770.	2.	0.04	0.12
9421	50	16.96	16.96	0.	8.	0.00	0.01	16.96	16.96	2237.	2.	0.05	0.15
9422	50	16.96	16.96	1902.	4.	0.04	0.13	16.96	16.96	0.	7.	0.00	0.01
9423	50	16.96	16.96	3593.	4.	0.08	0.24	16.96	16.96	0.	6.	0.00	0.01
9424	50	16.96	16.96	4224.	4.	0.09	0.28	16.96	16.96	0.	6.	0.00	0.01
9425	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	0.	4.	0.00	0.01
9426	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	1565.	0.	0.04	0.10
9427	50	16.96	16.96	0.	5.	0.00	0.01	16.96	16.96	1483.	1.	0.03	0.10
9428	50	16.96	16.96	1609.	4.	0.03	0.11	16.96	16.96	1546.	1.	0.03	0.10
9429	50	16.96	16.96	2640.	5.	0.05	0.18	16.96	16.96	1097.	1.	0.02	0.07
9430	50	16.96	16.96	2874.	5.	0.06	0.19	16.96	16.96	790.	2.	0.02	0.05
9431	50	16.96	16.96	0.	11.	0.00	0.01	16.96	16.96	0.	7.	0.00	0.01
9432	50	16.96	16.96	0.	10.	0.00	0.01	16.96	16.96	1773.	2.	0.04	0.12
9433	50	16.96	16.96	0.	9.	0.00	0.01	16.96	16.96	0.	5.	0.00	0.01
9434	50	16.96	16.96	0.	7.	0.00	0.01	16.96	16.96	0.	8.	0.00	0.01
9435	50	16.96	16.96	3689.	3.	0.08	0.24	16.96	16.96	0.	5.	0.00	0.01
9436	50	16.96	16.96	1643.	3.	0.03	0.11	16.96	16.96	0.	4.	0.00	0.01
9437	50	16.96	16.96	0.	3.	0.00	0.00	16.96	16.96	0.	4.	0.00	0.01
9438	50	16.96	16.96	0.	2.	0.00	0.00	16.96	16.96	1740.	0.	0.04	0.11
9439	50	16.96	16.96	0.	3.	0.00	0.00	16.96	16.96	1519.	0.	0.03	0.10
9440	50	16.96	16.96	0.	2.	0.00	0.00	16.96	16.96	0.	3.	0.00	0.00
9441	50	16.96	16.96	0.	0.	0.00	0.00	16.96	16.96	0.	4.	0.00	0.01
9442	50	16.96	16.96	2411.	6.	0.05	0.16	16.96	16.96	1248.	3.	0.02	0.09
9443	50	16.96	16.96	883.	6.	0.01	0.07	16.96	16.96	1738.	4.	0.04	0.12
9444	50	16.96	16.96	0.	7.	0.00	0.01	16.96	16.96	0.	6.	0.00	0.01
9445	50	16.96	16.96	0.	9.	0.00	0.01	16.96	16.96	2355.	2.	0.05	0.16
9446	50	16.96	16.96	0.	10.	0.00	0.01	16.96	16.96	2763.	2.	0.06	0.18
9447	50	16.96	16.96	0.	5.	0.00	0.01	16.96	16.96	1873.	2.	0.04	0.13
9448	50	16.96	16.96	0.	2.	0.00	0.00	16.96	16.96	0.	3.	0.00	0.00
9449	50	16.96	16.96	0.	3.	0.00	0.00	16.96	16.96	0.	4.	0.00	0.00
9450	50	16.96	16.96	0.	2.	0.00	0.00	16.96	16.96	1414.	0.	0.03	0.09
9451	50	16.96	16.96	0.	2.	0.00	0.00	16.96	16.96	1524.	0.	0.03	0.10
9452	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	1794.	0.	0.04	0.12
9453	50	16.96	16.96	909.	4.	0.02	0.06	16.96	16.96	1610.	1.	0.04	0.11
9454	50	16.96	16.96	2352.	5.	0.05	0.16	16.96	16.96	1228.	2.	0.03	0.08
9455	50	16.96	16.96	0.	10.	0.00	0.01	16.96	16.96	1828.	4.	0.04	0.12
9456	50	16.96	16.96	0.	7.	0.00	0.01	16.96	16.96	0.	8.	0.00	0.01
9457	50	16.96	16.96	0.	10.	0.00	0.01	16.96	16.96	1499.	3.	0.03	0.10
9458	50	16.96	16.96	0.	8.	0.00	0.01	16.96	16.96	0.	6.	0.00	0.01
9459	50	16.96	16.96	0.	5.	0.00	0.01	16.96	16.96	0.	8.	0.00	0.01
9460	50	16.96	16.96	4360.	3.	0.10	0.29	16.96	16.96	514.	2.	0.01	0.04
9461	50	16.96	16.96	2037.	3.	0.04	0.14	16.96	16.96	1162.	0.	0.03	0.08
9462	50	16.96	16.96	0.	2.	0.00	0.00	16.96	16.96	1407.	0.	0.03	0.09
9463	50	16.96	16.96	807.	1.	0.02	0.05	16.96	16.96	1582.	-1.	0.04	0.10
9464	50	16.96	16.96	1506.	1.	0.03	0.10	16.96	16.96	1484.	0.	0.03	0.10
9465	50	16.96	16.96	1518.	-1.	0.03	0.10	16.96	16.96	0.	2.	0.00	0.00
9466	50	16.96	16.96	1441.	-1.	0.03	0.09	16.96	16.96	0.	4.	0.00	0.00
9467	50	16.96	16.96	0.	3.	0.00	0.00	16.96	16.96	1784.	0.	0.04	0.12
9468	50	16.96	16.96	2010.	4.	0.04	0.14	16.96	16.96	1423.	2.	0.03	0.10
9469	50	16.96	16.96	281.	4.	0.00	0.02	16.96	16.96	2011.	3.	0.04	0.13
9470	50	16.96	16.96	0.	5.	0.00	0.01	16.96	16.96	2253.	3.	0.05	0.15
9471	50	16.96	16.96	1096.	2.	0.02	0.07	16.96	16.96	1147.	3.	0.02	0.08
9472	50	16.96	16.96	0.	6.	0.00	0.01	16.96	16.96	1842.	4.	0.04	0.13
9473	50	16.96	16.96	0.	2.	0.00	0.00	16.96	16.96	1781.	0.	0.04	0.12
9474	50	16.96	16.96	1471.	0.	0.03	0.10	16.96	16.96	801.	-2.	0.02	0.05
9475	50	16.96	16.96	1026.	1.	0.02	0.07	16.96	16.96	0.	3.	0.00	0.00
9476	50	16.96	16.96	1109.	1.	0.02	0.07	16.96	16.96	1422.	-1.	0.03	0.09
9477	50	16.96	16.96	1385.	1.	0.03	0.09	16.96	16.96	1532.	0.	0.04	0.10
9478	50	16.96	16.96	0.	4.	0.00	0.00	16.96	16.96	1483.	1.	0.03	0.10
9479	50	16.96	16.96	0.	7.	0.00	0.01	16.96	16.96	1533.	2.	0.03	0.10
9480	50	16.96	16.96	1644.	5.	0.03	0.11	16.96	16.96	1617.	2.	0.03	0.11
9481	50	16.96	16.96	2704.	5.	0.06	0.18	16.96	16.96	1190.	2.	0.02	0.08
9482	50	16.96	16.96	0.	8.	0.00	0.01	16.96	16.96	2345.	4.	0.05	0.16
9483	50	16.96	16.96	837.	2.	0.02	0.06	16.96	16.96	1160.	6.	0.02	0.08
9484	50	16.96	16.96	784.	1.	0.02	0.05	16.96	16.96	1721.	0.	0.04	0.11
9485	50	16.96	16.96	2932.	5.	0.06	0.20	16.96	16.96	875.	1.	0.02	0.06
9486	50	16.96	16.96	2532.	4.	0.05	0.17	16.96	16.96	1407.	2.	0.03	0.09
9487	50	16.96	16.96	1225.	4.	0.02	0.08	16.96	16.96	1964.	2.	0.04	0.13
9488	50	16.96	16.96	0.	5.	0.00	0.01	16.96	16.96	1756.	3.	0.04	0.12
9489	50	16.96	16.96	0.	3.	0.00	0.00	16.96	16.96	1368.	4.	0.03	0.09
9490	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	2590.	3.	0.05	0.17
9491	50	16.96	16.96	0.	10.	0.00	0.01	16.96	16.96	2959.	3.	0.06	0.20
9492	50	16.96	16.96	12935.	3.	0.29	0.84	16.96	16.96	1980.	10.	0.03	0.14

9493	50	16.96	16.96	1439.	1.	0.03	0.09	16.96	16.96	1769.	1.	0.04	0.12
9494	50	16.96	16.96	1475.	1.	0.03	0.10	16.96	16.96	1586.	0.	0.04	0.10
9495	50	16.96	16.96	0.	1.	0.00	0.00	16.96	16.96	0.	4.	0.00	0.01
9496	50	16.96	16.96	0.	8.	0.00	0.01	16.96	16.96	0.	4.	0.00	0.01
9497	50	16.96	16.96	1669.	6.	0.03	0.12	16.96	16.96	130.	2.	0.00	0.01
9498	50	16.96	16.96	2930.	5.	0.06	0.20	16.96	16.96	0.	2.	0.00	0.00
9499	50	16.96	16.96	3101.	5.	0.07	0.21	16.96	16.96	0.	2.	0.00	0.00
9500	50	16.96	16.96	2813.	4.	0.06	0.19	16.96	16.96	0.	3.	0.00	0.00
9501	50	16.96	16.96	1207.	4.	0.02	0.08	16.96	16.96	30.	4.	0.00	0.01
9502	50	16.96	16.96	0.	7.	0.00	0.01	16.96	16.96	0.	5.	0.00	0.01
9503	50	16.96	16.96	0.	2.	0.00	0.00	16.96	16.96	0.	6.	0.00	0.01
9504	50	16.96	16.96	2356.	2.	0.05	0.16	16.96	16.96	3522.	3.	0.08	0.23
9505	50	16.96	16.96	2046.	1.	0.05	0.13	16.96	16.96	3077.	4.	0.07	0.21
9506	50	16.96	16.96	2805.	2.	0.06	0.18	16.96	16.96	4115.	5.	0.09	0.27
9507	50	16.96	16.96	3264.	2.	0.07	0.21	16.96	16.96	4091.	6.	0.09	0.27
9508	50	16.96	16.96	3459.	2.	0.08	0.23	16.96	16.96	2578.	5.	0.05	0.17
9509	50	16.96	16.96	0.	11.	0.00	0.02	16.96	16.96	1635.	7.	0.03	0.12
9510	50	16.96	16.96	19194.	1.	0.44	1.25	16.96	16.96	6081.	10.	0.13	0.41
9511	50	16.96	16.96	3504.	3.	0.08	0.23	16.96	16.96	6186.	6.	0.13	0.41
9512	50	16.96	16.96	1475.	-1.	0.03	0.10	16.96	16.96	0.	2.	0.00	0.00
9513	50	16.96	16.96	0.	-1.	0.00	0.00	16.96	16.96	0.	4.	0.00	0.01
9514	50	16.96	16.96	0.	7.	0.00	0.01	16.96	16.96	0.	4.	0.00	0.01
9515	50	16.96	16.96	1587.	5.	0.03	0.11	16.96	16.96	86.	1.	0.00	0.01
9516	50	16.96	16.96	2902.	5.	0.06	0.19	16.96	16.96	0.	2.	0.00	0.00
9517	50	16.96	16.96	2069.	2.	0.04	0.14	16.96	16.96	2358.	5.	0.05	0.16
9518	50	16.96	16.96	0.	8.	0.00	0.01	16.96	16.96	6203.	8.	0.13	0.41
9519	50	16.96	16.96	0.	3.	0.00	0.00	16.96	16.96	4749.	7.	0.10	0.32
9520	50	16.96	16.96	1383.	2.	0.03	0.09	16.96	16.96	598.	0.	0.01	0.04
9521	50	16.96	16.96	1408.	1.	0.03	0.09	16.96	16.96	1629.	0.	0.04	0.11
9522	50	16.96	16.96	1133.	-1.	0.03	0.07	16.96	16.96	1764.	0.	0.04	0.11
9523	50	16.96	16.96	1728.	0.	0.04	0.11	16.96	16.96	1536.	0.	0.04	0.10
9524	50	16.96	16.96	1594.	0.	0.04	0.10	16.96	16.96	0.	1.	0.00	0.00
9525	50	16.96	16.96	1528.	0.	0.03	0.10	16.96	16.96	62.	0.	0.00	0.00
9526	50	16.96	16.96	1568.	0.	0.04	0.10	16.96	16.96	1520.	0.	0.03	0.10
9527	50	16.96	16.96	3103.	5.	0.07	0.21	16.96	16.96	0.	2.	0.00	0.00
9528	50	16.96	16.96	2768.	5.	0.06	0.19	16.96	16.96	0.	3.	0.00	0.00
9529	50	16.96	16.96	1121.	5.	0.02	0.08	16.96	16.96	0.	3.	0.00	0.00
9530	50	16.96	16.96	0.	7.	0.00	0.01	16.96	16.96	0.	4.	0.00	0.01
9531	50	16.96	16.96	0.	6.	0.00	0.01	16.96	16.96	0.	5.	0.00	0.01
9532	50	16.96	16.96	2785.	2.	0.06	0.18	16.96	16.96	4002.	2.	0.09	0.26
9533	50	16.96	16.96	1954.	1.	0.04	0.13	16.96	16.96	4232.	2.	0.09	0.28
9534	50	16.96	16.96	1483.	0.	0.03	0.10	16.96	16.96	3905.	3.	0.09	0.26
9535	50	16.96	16.96	1135.	0.	0.03	0.07	16.96	16.96	3586.	4.	0.08	0.24
9536	50	16.96	16.96	2036.	1.	0.05	0.13	16.96	16.96	4457.	5.	0.10	0.30
9537	50	16.96	16.96	2400.	1.	0.05	0.16	16.96	16.96	4349.	6.	0.09	0.29
9538	50	16.96	16.96	2405.	4.	0.05	0.16	16.96	16.96	2773.	7.	0.05	0.19
9539	50	16.96	16.96	1728.	2.	0.04	0.11	16.96	16.96	2746.	6.	0.06	0.19
9540	50	16.96	16.96	0.	8.	0.00	0.01	16.96	16.96	0.	7.	0.00	0.01
9541	50	16.96	16.96	22716.	1.	0.52	1.48	16.96	16.96	11646.	3.	0.26	0.76
9542	50	16.96	16.96	12927.	1.	0.30	0.84	16.96	16.96	9402.	4.	0.21	0.62
9543	50	16.96	16.96	1053.	1.	0.02	0.07	16.96	16.96	4259.	3.	0.09	0.28
9544	50	16.96	16.96	1334.	1.	0.03	0.09	16.96	16.96	2105.	-3.	0.05	0.14
9545	50	16.96	16.96	1513.	2.	0.03	0.10	16.96	16.96	854.	-2.	0.02	0.06
9546	50	16.96	16.96	1019.	-1.	0.02	0.07	16.96	16.96	1610.	0.	0.04	0.10
9547	50	16.96	16.96	1608.	0.	0.04	0.10	16.96	16.96	1427.	0.	0.03	0.09
9548	50	16.96	16.96	1403.	-1.	0.03	0.09	16.96	16.96	0.	3.	0.00	0.00
9549	50	16.96	16.96	0.	2.	0.00	0.00	16.96	16.96	1471.	0.	0.03	0.10
9550	50	16.96	16.96	0.	5.	0.00	0.01	16.96	16.96	1497.	1.	0.03	0.10
9551	50	16.96	16.96	1651.	4.	0.03	0.11	16.96	16.96	1593.	1.	0.03	0.11
9552	50	16.96	16.96	2700.	4.	0.06	0.18	16.96	16.96	1169.	1.	0.03	0.08
9553	50	16.96	16.96	2889.	1.	0.06	0.19	16.96	16.96	3305.	2.	0.07	0.22
9554	50	16.96	16.96	1432.	2.	0.03	0.10	16.96	16.96	2694.	4.	0.06	0.18
9555	50	16.96	16.96	0.	10.	0.00	0.01	16.96	16.96	0.	11.	0.00	0.02
9556	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	0.	4.	0.00	0.01
9557	50	16.96	16.96	0.	3.	0.00	0.00	16.96	16.96	1629.	0.	0.04	0.11
9558	50	16.96	16.96	0.	1.	0.00	0.00	16.96	16.96	1825.	0.	0.04	0.12
9559	50	16.96	16.96	0.	1.	0.00	0.00	16.96	16.96	1460.	0.	0.03	0.09
9560	50	16.96	16.96	0.	2.	0.00	0.00	16.96	16.96	0.	2.	0.00	0.00
9561	50	16.96	16.96	0.	2.	0.00	0.00	16.96	16.96	0.	1.	0.00	0.00
9562	50	16.96	16.96	0.	1.	0.00	0.00	16.96	16.96	1476.	0.	0.03	0.10
9563	50	16.96	16.96	1541.	0.	0.03	0.10	16.96	16.96	0.	1.	0.00	0.00
9564	50	16.96	16.96	2938.	4.	0.06	0.20	16.96	16.96	853.	1.	0.02	0.06
9565	50	16.96	16.96	2532.	4.	0.05	0.17	16.96	16.96	1376.	1.	0.03	0.09
9566	50	16.96	16.96	1222.	4.	0.02	0.08	16.96	16.96	1918.	1.	0.04	0.13
9567	50	16.96	16.96	0.	7.	0.00	0.01	16.96	16.96	1713.	1.	0.04	0.11
9568	50	16.96	16.96	0.	8.	0.00	0.01	16.96	16.96	1260.	0.	0.03	0.08
9569	50	16.96	16.96	2151.	0.	0.05	0.14	16.96	16.96	3502.	0.	0.08	0.23
9570	50	16.96	16.96	1270.	1.	0.03	0.08	16.96	16.96	3119.	5.	0.06	0.21
9571	50	16.96	16.96	1318.	5.	0.02	0.09	16.96	16.96	1848.	6.	0.03	0.13
9572	50	16.96	16.96	0.	5.	0.00	0.01	16.96	16.96	0.	9.	0.00	0.01
9573	50	16.96	16.96	21132.	0.	0.48	1.37	16.96	16.96	11374.	2.	0.26	0.74
9574	50	16.96	16.96	11090.	0.	0.25	0.72	16.96	16.96	7449.	2.	0.17	0.49
9575	50	16.96	16.96	0.	2.	0.00	0.00	16.96	16.96	2652.	-3.	0.06	0.17
9576	50	16.96	16.96	0.	3.	0.00	0.00	16.96	16.96	1580.	-3.	0.04	0.10
9577	50	16.96	16.96	0.	1.	0.00	0.00	16.96	16.96	1755.	0.	0.04	0.11
9578	50	16.96	16.96	0.	2.	0.00	0.00	16.96	16.96	1399.	0.	0.03	0.09
9579	50	16.96	16.96	0.	2.	0.00	0.00	16.96	16.96	0.	2.	0.00	0.00
9580	50	16.96	16.96	1371.	0.	0.03	0.09	16.96	16.96	1411.	0.	0.03	0.09
9581	50	16.96	16.96	0.	3.	0.00	0.00	16.96	16.96	1760.	0.	0.04	0.11
9582	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	1771.	0.	0.04	0.12
9583	50	16.96	16.96	922.	4.	0.02	0.06	16.96	16.96	1588.	1.	0.03	0.10
9584	50	16.96	16.96	2373.	4.	0.05	0.16	16.96	16.96	1212.	1.	0.03	0.08
9585	50	16.96	16.96	690.	1.	0.01	0.05	16.96	16.96	5159.	-1.	0.12	0.33
9586	50	16.96	16.96	95.	-3.	0.00	0.01	16.96	16.96	0.	4.	0.00	0.01
9587	50	16.96	16.96	49.	-1.	0.00	0.00	16.96	16.96	1697.	0.	0.04	0.11

9588	50	16.96	16.96	0.	1.	0.00	0.00	16.96	16.96	1812.	0.	0.04	0.12
9589	50	16.96	16.96	0.	-1.	0.00	0.00	16.96	16.96	1486.	0.	0.03	0.10
9590	50	16.96	16.96	0.	-1.	0.00	0.00	16.96	16.96	0.	2.	0.00	0.00
9591	50	16.96	16.96	0.	1.	0.00	0.00	16.96	16.96	0.	2.	0.00	0.00
9592	50	16.96	16.96	0.	1.	0.00	0.00	16.96	16.96	1437.	-1.	0.03	0.09
9593	50	16.96	16.96	0.	2.	0.00	0.00	16.96	16.96	0.	2.	0.00	0.00
9594	50	16.96	16.96	1531.	0.	0.03	0.10	16.96	16.96	165.	1.	0.00	0.01
9595	50	16.96	16.96	2015.	4.	0.04	0.14	16.96	16.96	1390.	1.	0.03	0.09
9596	50	16.96	16.96	296.	3.	0.00	0.02	16.96	16.96	1967.	1.	0.04	0.13
9597	50	16.96	16.96	0.	6.	0.00	0.01	16.96	16.96	2217.	1.	0.05	0.14
9598	50	16.96	16.96	0.	8.	0.00	0.01	16.96	16.96	2702.	0.	0.06	0.18
9599	50	16.96	16.96	887.	2.	0.02	0.06	16.96	16.96	2152.	6.	0.04	0.15
9600	50	16.96	16.96	0.	9.	0.00	0.01	16.96	16.96	4157.	0.	0.10	0.27
9601	50	16.96	16.96	2321.	1.	0.05	0.15	16.96	16.96	1383.	3.	0.03	0.09
9602	50	16.96	16.96	689.	-1.	0.02	0.04	16.96	16.96	2844.	-3.	0.07	0.18
9603	50	16.96	16.96	195.	-4.	0.01	0.01	16.96	16.96	2506.	-2.	0.06	0.16
9604	50	16.96	16.96	0.	1.	0.00	0.00	16.96	16.96	1722.	-1.	0.04	0.11
9605	50	16.96	16.96	0.	2.	0.00	0.00	16.96	16.96	1430.	0.	0.03	0.09
9606	50	16.96	16.96	0.	1.	0.00	0.00	16.96	16.96	0.	2.	0.00	0.00
9607	50	16.96	16.96	769.	1.	0.02	0.05	16.96	16.96	1575.	-1.	0.04	0.10
9608	50	16.96	16.96	0.	3.	0.00	0.00	16.96	16.96	1496.	1.	0.03	0.10
9609	50	16.96	16.96	0.	7.	0.00	0.01	16.96	16.96	1470.	2.	0.03	0.10
9610	50	16.96	16.96	1631.	5.	0.03	0.11	16.96	16.96	1529.	2.	0.03	0.10
9611	50	16.96	16.96	2660.	5.	0.05	0.18	16.96	16.96	1078.	2.	0.02	0.07
9612	50	16.96	16.96	2926.	0.	0.07	0.19	16.96	16.96	2926.	4.	0.06	0.20
9613	50	16.96	16.96	2646.	1.	0.06	0.17	16.96	16.96	5733.	-2.	0.13	0.37
9614	50	16.96	16.96	3929.	2.	0.09	0.26	16.96	16.96	1556.	13.	0.02	0.12
9615	50	16.96	16.96	1579.	-3.	0.04	0.10	16.96	16.96	294.	0.	0.01	0.02
9616	50	16.96	16.96	1223.	-3.	0.03	0.08	16.96	16.96	1632.	0.	0.04	0.11
9617	50	16.96	16.96	716.	-1.	0.02	0.05	16.96	16.96	1726.	0.	0.04	0.11
9618	50	16.96	16.96	1139.	0.	0.03	0.07	16.96	16.96	1388.	0.	0.03	0.09
9619	50	16.96	16.96	1175.	-1.	0.03	0.08	16.96	16.96	0.	1.	0.00	0.00
9620	50	16.96	16.96	1081.	0.	0.02	0.07	16.96	16.96	0.	0.	0.00	0.00
9621	50	16.96	16.96	887.	1.	0.02	0.06	16.96	16.96	1255.	-1.	0.03	0.08
9622	50	16.96	16.96	0.	0.	0.00	0.00	16.96	16.96	0.	2.	0.00	0.00
9623	50	16.96	16.96	0.	1.	0.00	0.00	16.96	16.96	1504.	0.	0.03	0.10
9624	50	16.96	16.96	1550.	0.	0.04	0.10	16.96	16.96	1581.	0.	0.04	0.10
9625	50	16.96	16.96	2931.	5.	0.06	0.20	16.96	16.96	788.	1.	0.02	0.05
9626	50	16.96	16.96	2469.	5.	0.05	0.17	16.96	16.96	1252.	1.	0.03	0.08
9627	50	16.96	16.96	931.	5.	0.01	0.07	16.96	16.96	1779.	2.	0.04	0.12
9628	50	16.96	16.96	0.	6.	0.00	0.01	16.96	16.96	1815.	2.	0.04	0.12
9629	50	16.96	16.96	0.	5.	0.00	0.01	16.96	16.96	2360.	1.	0.05	0.15
9630	50	16.96	16.96	1481.	4.	0.03	0.10	16.96	16.96	2440.	12.	0.04	0.17
9631	50	16.96	16.96	1698.	3.	0.03	0.11	16.96	16.96	3493.	1.	0.08	0.23
9632	50	16.96	16.96	1911.	-3.	0.04	0.12	16.96	16.96	2228.	-1.	0.05	0.14
9633	50	16.96	16.96	488.	1.	0.01	0.03	16.96	16.96	1480.	-1.	0.03	0.10
9634	50	16.96	16.96	825.	0.	0.02	0.05	16.96	16.96	1209.	-1.	0.03	0.08
9635	50	16.96	16.96	1055.	0.	0.02	0.07	16.96	16.96	0.	1.	0.00	0.00
9636	50	16.96	16.96	0.	0.	0.00	0.00	16.96	16.96	1371.	-1.	0.03	0.09
9637	50	16.96	16.96	1439.	1.	0.03	0.09	16.96	16.96	1453.	0.	0.03	0.09
9638	50	16.96	16.96	0.	1.	0.00	0.00	16.96	16.96	0.	5.	0.00	0.01
9639	50	16.96	16.96	0.	8.	0.00	0.01	16.96	16.96	0.	5.	0.00	0.01
9640	50	16.96	16.96	1601.	6.	0.03	0.11	16.96	16.96	123.	4.	0.00	0.01
9641	50	16.96	16.96	2882.	5.	0.06	0.19	16.96	16.96	0.	3.	0.00	0.00
9642	50	16.96	16.96	2854.	1.	0.06	0.19	16.96	16.96	3987.	4.	0.09	0.26
9643	50	16.96	16.96	2471.	7.	0.05	0.17	16.96	16.96	3377.	2.	0.08	0.22
9644	50	16.96	16.96	7174.	5.	0.16	0.47	16.96	16.96	6260.	2.	0.14	0.41
9645	50	16.96	16.96	2015.	-2.	0.05	0.13	16.96	16.96	1523.	1.	0.03	0.10
9646	50	16.96	16.96	1876.	-2.	0.04	0.12	16.96	16.96	953.	0.	0.02	0.06
9647	50	16.96	16.96	1727.	0.	0.04	0.11	16.96	16.96	1666.	1.	0.04	0.11
9648	50	16.96	16.96	1530.	0.	0.03	0.10	16.96	16.96	905.	-1.	0.02	0.06
9649	50	16.96	16.96	1610.	-1.	0.04	0.10	16.96	16.96	0.	3.	0.00	0.00
9650	50	16.96	16.96	1602.	0.	0.04	0.10	16.96	16.96	0.	3.	0.00	0.00
9651	50	16.96	16.96	1420.	2.	0.03	0.10	16.96	16.96	791.	0.	0.02	0.05
9652	50	16.96	16.96	1056.	0.	0.02	0.07	16.96	16.96	0.	0.	0.00	0.00
9653	50	16.96	16.96	0.	1.	0.00	0.00	16.96	16.96	1763.	-1.	0.04	0.11
9654	50	16.96	16.96	1002.	-1.	0.02	0.06	16.96	16.96	1589.	0.	0.04	0.10
9655	50	16.96	16.96	3061.	5.	0.06	0.21	16.96	16.96	0.	3.	0.00	0.00
9656	50	16.96	16.96	2674.	5.	0.05	0.18	16.96	16.96	0.	3.	0.00	0.00
9657	50	16.96	16.96	819.	6.	0.01	0.06	16.96	16.96	0.	3.	0.00	0.00
9658	50	16.96	16.96	0.	8.	0.00	0.01	16.96	16.96	0.	5.	0.00	0.01
9659	50	16.96	16.96	0.	-1.	0.00	0.00	16.96	16.96	0.	6.	0.00	0.01
9660	50	16.96	16.96	2774.	7.	0.05	0.19	16.96	16.96	2709.	0.	0.06	0.18
9661	50	16.96	16.96	1396.	1.	0.03	0.09	16.96	16.96	828.	-1.	0.02	0.05
9662	50	16.96	16.96	1538.	0.	0.04	0.10	16.96	16.96	0.	3.	0.00	0.00
9663	50	16.96	16.96	0.	1.	0.00	0.00	16.96	16.96	1752.	-1.	0.04	0.11
9664	50	16.96	16.96	1528.	-1.	0.04	0.10	16.96	16.96	0.	3.	0.00	0.00
9665	50	16.96	16.96	0.	-1.	0.00	0.00	16.96	16.96	0.	3.	0.00	0.00
9666	50	16.96	16.96	0.	7.	0.00	0.01	16.96	16.96	0.	3.	0.00	0.00
9667	50	16.96	16.96	1657.	5.	0.03	0.12	16.96	16.96	0.	1.	0.00	0.00
9668	50	16.96	16.96	2937.	5.	0.06	0.20	16.96	16.96	0.	3.	0.00	0.00
9669	50	16.96	16.96	966.	0.	0.02	0.06	16.96	16.96	1143.	3.	0.02	0.08
9670	50	16.96	16.96	2484.	1.	0.06	0.16	16.96	16.96	3622.	4.	0.08	0.24
9671	50	16.96	16.96	2653.	0.	0.06	0.17	16.96	16.96	2068.	0.	0.05	0.13
9672	50	16.96	16.96	1643.	-3.	0.04	0.11	16.96	16.96	2053.	3.	0.04	0.14
9673	50	16.96	16.96	1893.	-4.	0.04	0.12	16.96	16.96	780.	3.	0.01	0.05
9674	50	16.96	16.96	1795.	1.	0.04	0.12	16.96	16.96	1834.	1.	0.04	0.12
9675	50	16.96	16.96	1394.	2.	0.03	0.09	16.96	16.96	1189.	-1.	0.03	0.08
9676	50	16.96	16.96	1485.	-2.	0.03	0.10	16.96	16.96	0.	6.	0.00	0.01
9677	50	16.96	16.96	1546.	-1.	0.04	0.10	16.96	16.96	0.	6.	0.00	0.01
9678	50	16.96	16.96	1467.	3.	0.03	0.10	16.96	16.96	1266.	0.	0.03	0.08
9679	50	16.96	16.96	1518.	1.	0.03	0.10	16.96	16.96	0.	3.	0.00	0.00
9680	50	16.96	16.96	0.	2.	0.00	0.00	16.96	16.96	1389.	0.	0.03	0.09
9681	50	16.96	16.96	1646.	0.	0.04	0.11	16.96	16.96	1406.	0.	0.03	0.09
9682	50	16.96	16.96	3061.	5.	0.06	0.21	16.96	16.96	0.	3.	0.00	0.00

9683	50	16.96	16.96	2629.	6.	0.05	0.18	16.96	16.96	0.	4.	0.00	0.01
9684	50	16.96	16.96	774.	7.	0.01	0.06	16.96	16.96	0.	6.	0.00	0.01
9685	50	16.96	16.96	0.	10.	0.00	0.01	16.96	16.96	0.	7.	0.00	0.01
9686	50	16.96	16.96	0.	3.	0.00	0.00	16.96	16.96	0.	8.	0.00	0.01
9687	50	16.96	16.96	6010.	6.	0.13	0.40	16.96	16.96	4660.	1.	0.11	0.30
9688	50	16.96	16.96	1529.	2.	0.03	0.10	16.96	16.96	1859.	0.	0.04	0.12
9689	50	16.96	16.96	1201.	4.	0.02	0.08	16.96	16.96	1726.	-1.	0.04	0.11
9690	50	16.96	16.96	1424.	2.	0.03	0.10	16.96	16.96	1250.	0.	0.03	0.08
9691	50	16.96	16.96	1477.	-1.	0.03	0.10	16.96	16.96	0.	6.	0.00	0.01
9692	50	16.96	16.96	1431.	0.	0.03	0.09	16.96	16.96	0.	6.	0.00	0.01
9693	50	16.96	16.96	0.	1.	0.00	0.00	16.96	16.96	1400.	0.	0.03	0.09
9694	50	16.96	16.96	1524.	-1.	0.04	0.10	16.96	16.96	0.	2.	0.00	0.00
9695	50	16.96	16.96	0.	2.	0.00	0.00	16.96	16.96	1480.	0.	0.03	0.10
9696	50	16.96	16.96	0.	6.	0.00	0.01	16.96	16.96	1533.	1.	0.03	0.10
9697	50	16.96	16.96	1694.	4.	0.03	0.12	16.96	16.96	1634.	1.	0.04	0.11
9698	50	16.96	16.96	2713.	5.	0.06	0.18	16.96	16.96	1168.	1.	0.03	0.08
9699	50	16.96	16.96	1069.	0.	0.02	0.07	16.96	16.96	1012.	5.	0.02	0.07
9700	50	16.96	16.96	1878.	1.	0.04	0.12	16.96	16.96	2988.	4.	0.06	0.20
9701	50	16.96	16.96	97.	-6.	0.00	0.01	16.96	16.96	1770.	7.	0.03	0.13
9702	50	16.96	16.96	36.	-7.	0.00	0.00	16.96	16.96	213.	5.	0.00	0.02
9703	50	16.96	16.96	987.	2.	0.02	0.07	16.96	16.96	1584.	1.	0.03	0.10
9704	50	16.96	16.96	243.	5.	0.00	0.02	16.96	16.96	1472.	1.	0.03	0.10
9705	50	16.96	16.96	0.	-4.	0.00	0.00	16.96	16.96	0.	7.	0.00	0.01
9706	50	16.96	16.96	0.	-3.	0.00	0.00	16.96	16.96	0.	8.	0.00	0.01
9707	50	16.96	16.96	0.	2.	0.00	0.00	16.96	16.96	0.	2.	0.00	0.00
9708	50	16.96	16.96	1604.	0.	0.04	0.10	16.96	16.96	0.	2.	0.00	0.00
9709	50	16.96	16.96	2914.	5.	0.06	0.20	16.96	16.96	827.	1.	0.02	0.06
9710	50	16.96	16.96	2465.	5.	0.05	0.17	16.96	16.96	1292.	3.	0.03	0.09
9711	50	16.96	16.96	944.	5.	0.01	0.07	16.96	16.96	1844.	3.	0.04	0.12
9712	50	16.96	16.96	0.	9.	0.00	0.01	16.96	16.96	1840.	4.	0.04	0.12
9713	50	16.96	16.96	0.	5.	0.00	0.01	16.96	16.96	2373.	3.	0.05	0.16
9714	50	16.96	16.96	15641.	11.	0.35	1.03	16.96	16.96	8042.	-1.	0.18	0.52
9715	50	16.96	16.96	5368.	13.	0.11	0.37	16.96	16.96	6394.	2.	0.14	0.42
9716	50	16.96	16.96	42.	3.	0.00	0.01	16.96	16.96	2369.	2.	0.05	0.16
9717	50	16.96	16.96	766.	3.	0.01	0.05	16.96	16.96	2141.	1.	0.05	0.14
9718	50	16.96	16.96	333.	4.	0.00	0.03	16.96	16.96	1323.	1.	0.03	0.09
9719	50	16.96	16.96	0.	-3.	0.00	0.00	16.96	16.96	0.	8.	0.00	0.01
9720	50	16.96	16.96	0.	-2.	0.00	0.00	16.96	16.96	0.	7.	0.00	0.01
9721	50	16.96	16.96	0.	-1.	0.00	0.00	16.96	16.96	0.	2.	0.00	0.00
9722	50	16.96	16.96	1538.	0.	0.04	0.10	16.96	16.96	1399.	0.	0.03	0.09
9723	50	16.96	16.96	0.	3.	0.00	0.00	16.96	16.96	1937.	0.	0.04	0.13
9724	50	16.96	16.96	0.	4.	0.00	0.00	16.96	16.96	1935.	0.	0.04	0.13
9725	50	16.96	16.96	966.	4.	0.02	0.07	16.96	16.96	1754.	1.	0.04	0.12
9726	50	16.96	16.96	2368.	4.	0.05	0.16	16.96	16.96	1388.	1.	0.03	0.09
9727	50	16.96	16.96	1709.	2.	0.04	0.11	16.96	16.96	3330.	3.	0.07	0.22
9728	50	16.96	16.96	2628.	1.	0.06	0.17	16.96	16.96	3928.	3.	0.09	0.26
9729	50	16.96	16.96	8832.	-19.	0.21	0.56	16.96	16.96	5590.	22.	0.10	0.39
9730	50	16.96	16.96	1732.	0.	0.04	0.11	16.96	16.96	6287.	3.	0.14	0.41
9731	50	16.96	16.96	1548.	31.	0.00	0.14	16.96	16.96	1283.	1.	0.03	0.08
9732	50	16.96	16.96	1562.	32.	0.00	0.15	16.96	16.96	115.	1.	0.00	0.01
9733	50	16.96	16.96	0.	2.	0.00	0.00	16.96	16.96	0.	1.	0.00	0.00
9734	50	16.96	16.96	1592.	0.	0.04	0.10	16.96	16.96	0.	1.	0.00	0.00
9735	50	16.96	16.96	1977.	5.	0.04	0.13	16.96	16.96	1492.	2.	0.03	0.10
9736	50	16.96	16.96	292.	3.	0.00	0.02	16.96	16.96	2085.	2.	0.04	0.14
9737	50	16.96	16.96	0.	3.	0.00	0.00	16.96	16.96	2331.	3.	0.05	0.15
9738	50	16.96	16.96	0.	5.	0.00	0.01	16.96	16.96	2795.	2.	0.06	0.18
9739	50	16.96	16.96	18205.	12.	0.41	1.20	16.96	16.96	9641.	0.	0.22	0.63
9740	50	16.96	16.96	5235.	13.	0.11	0.36	16.96	16.96	5884.	7.	0.13	0.39
9741	50	16.96	16.96	1063.	-1.	0.02	0.07	16.96	16.96	0.	2.	0.00	0.00
9742	50	16.96	16.96	0.	-1.	0.00	0.00	16.96	16.96	0.	2.	0.00	0.00
9743	50	16.96	16.96	872.	0.	0.02	0.06	16.96	16.96	1867.	-1.	0.04	0.12
9744	50	16.96	16.96	0.	3.	0.00	0.00	16.96	16.96	1748.	1.	0.04	0.11
9745	50	16.96	16.96	0.	7.	0.00	0.01	16.96	16.96	1769.	2.	0.04	0.12
9746	50	16.96	16.96	1568.	5.	0.03	0.11	16.96	16.96	1821.	2.	0.04	0.12
9747	50	16.96	16.96	2641.	4.	0.05	0.18	16.96	16.96	1467.	2.	0.03	0.10
9748	50	16.96	16.96	3073.	1.	0.07	0.20	16.96	16.96	3931.	3.	0.09	0.26
9749	50	16.96	16.96	14801.	7.	0.33	0.97	16.96	16.96	4339.	2.	0.10	0.28
9750	50	16.96	16.96	3947.	-32.	0.10	0.25	16.96	16.96	1676.	19.	0.03	0.14
9751	50	16.96	16.96	0.	10.	0.00	0.01	16.96	16.96	1905.	7.	0.04	0.13
9752	50	16.96	16.96	1538.	-2.	0.04	0.10	16.96	16.96	0.	2.	0.00	0.00
9753	50	16.96	16.96	0.	1.	0.00	0.00	16.96	16.96	1394.	0.	0.03	0.09
9754	50	16.96	16.96	1657.	-1.	0.04	0.11	16.96	16.96	1489.	0.	0.03	0.10
9755	50	16.96	16.96	2855.	4.	0.06	0.19	16.96	16.96	1099.	1.	0.02	0.07
9756	50	16.96	16.96	2430.	4.	0.05	0.16	16.96	16.96	1565.	1.	0.03	0.10
9757	50	16.96	16.96	1154.	3.	0.02	0.08	16.96	16.96	2067.	2.	0.04	0.14
9758	50	16.96	16.96	0.	7.	0.00	0.01	16.96	16.96	1887.	2.	0.04	0.13
9759	50	16.96	16.96	0.	6.	0.00	0.01	16.96	16.96	1499.	3.	0.03	0.10
9760	50	16.96	16.96	1699.	1.	0.04	0.11	16.96	16.96	3229.	-5.	0.07	0.21
9761	50	16.96	16.96	1511.	-4.	0.04	0.10	16.96	16.96	0.	7.	0.00	0.01
9762	50	16.96	16.96	1015.	-1.	0.02	0.07	16.96	16.96	0.	2.	0.00	0.00
9763	50	16.96	16.96	0.	-1.	0.00	0.00	16.96	16.96	1293.	0.	0.03	0.08
9764	50	16.96	16.96	1478.	0.	0.03	0.10	16.96	16.96	1819.	0.	0.04	0.12
9765	50	16.96	16.96	0.	1.	0.00	0.00	16.96	16.96	0.	5.	0.00	0.01
9766	50	16.96	16.96	0.	8.	0.00	0.01	16.96	16.96	0.	5.	0.00	0.01
9767	50	16.96	16.96	1728.	5.	0.03	0.12	16.96	16.96	486.	3.	0.01	0.04
9768	50	16.96	16.96	2869.	4.	0.06	0.19	16.96	16.96	385.	1.	0.01	0.03
9769	50	16.96	16.96	3311.	0.	0.08	0.21	16.96	16.96	2625.	2.	0.06	0.17
9770	50	16.96	16.96	2061.	-5.	0.05	0.13	16.96	16.96	2780.	5.	0.06	0.19
9771	50	16.96	16.96	230.	0.	0.01	0.01	16.96	16.96	1985.	1.	0.04	0.13
9772	50	16.96	16.96	0.	-8.	0.00	0.00	16.96	16.96	0.	10.	0.00	0.01
9773	50	16.96	16.96	1538.	-1.	0.04	0.10	16.96	16.96	0.	4.	0.00	0.01
9774	50	16.96	16.96	0.	1.	0.00	0.00	16.96	16.96	1767.	0.	0.04	0.11
9775	50	16.96	16.96	1119.	-1.	0.03	0.07	16.96	16.96	1633.	0.	0.04	0.11
9776	50	16.96	16.96	3107.	4.	0.07	0.21	16.96	16.96	263.	2.	0.00	0.02
9777	50	16.96	16.96	2645.	4.	0.06	0.18	16.96	16.96	166.	2.	0.00	0.01

9778	50	16.96	16.96	1165.	4.	0.02	0.08	16.96	16.96	218.	2.	0.00	0.02
9779	50	16.96	16.96	0.	7.	0.00	0.01	16.96	16.96	0.	4.	0.00	0.01
9780	50	16.96	16.96	0.	-1.	0.00	0.00	16.96	16.96	0.	7.	0.00	0.01
9781	50	16.96	16.96	0.	-5.	0.00	0.00	16.96	16.96	0.	11.	0.00	0.02
9782	50	16.96	16.96	1503.	-2.	0.03	0.10	16.96	16.96	0.	9.	0.00	0.01
9783	50	16.96	16.96	0.	1.	0.00	0.00	16.96	16.96	1704.	0.	0.04	0.11
9784	50	16.96	16.96	1574.	-1.	0.04	0.10	16.96	16.96	247.	3.	0.00	0.02
9785	50	16.96	16.96	0.	-2.	0.00	0.00	16.96	16.96	0.	1.	0.00	0.00
9786	50	16.96	16.96	0.	6.	0.00	0.01	16.96	16.96	0.	1.	0.00	0.00
9787	50	16.96	16.96	1329.	4.	0.03	0.09	16.96	16.96	95.	2.	0.00	0.01
9788	50	16.96	16.96	2748.	3.	0.06	0.18	16.96	16.96	0.	4.	0.00	0.01
9789	50	16.96	16.96	401.	1.	0.01	0.03	16.96	16.96	3525.	-1.	0.08	0.23
9790	50	16.96	16.96	9235.	7.	0.20	0.61	16.96	16.96	3580.	1.	0.08	0.23
9791	50	16.96	16.96	144.	1.	0.00	0.01	16.96	16.96	1627.	1.	0.04	0.11
9792	50	16.96	16.96	1898.	42.	0.00	0.18	16.96	16.96	0.	7.	0.00	0.01
9793	50	16.96	16.96	1732.	41.	0.00	0.17	16.96	16.96	0.	5.	0.00	0.01
9794	50	16.96	16.96	0.	2.	0.00	0.00	16.96	16.96	1425.	0.	0.03	0.09
9795	50	16.96	16.96	1432.	0.	0.03	0.09	16.96	16.96	1417.	0.	0.03	0.09
9796	50	16.96	16.96	3136.	4.	0.07	0.21	16.96	16.96	0.	5.	0.00	0.01
9797	50	16.96	16.96	2841.	4.	0.06	0.19	16.96	16.96	18.	4.	0.00	0.01
9798	50	16.96	16.96	1319.	5.	0.02	0.09	16.96	16.96	205.	4.	0.00	0.02
9799	50	16.96	16.96	0.	8.	0.00	0.01	16.96	16.96	0.	5.	0.00	0.01
9800	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	0.	6.	0.00	0.01
9801	50	16.96	16.96	0.	1.	0.00	0.00	16.96	16.96	1456.	0.	0.03	0.09
9802	50	16.96	16.96	1013.	-2.	0.02	0.07	16.96	16.96	0.	2.	0.00	0.00
9803	50	16.96	16.96	0.	2.	0.00	0.00	16.96	16.96	1314.	-2.	0.03	0.08
9804	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	1365.	-1.	0.03	0.09
9805	50	16.96	16.96	1100.	2.	0.02	0.07	16.96	16.96	1139.	0.	0.03	0.07
9806	50	16.96	16.96	2513.	2.	0.05	0.17	16.96	16.96	831.	1.	0.02	0.05
9807	50	16.96	16.96	0.	2.	0.00	0.00	16.96	16.96	1069.	-1.	0.02	0.07
9808	50	16.96	16.96	3728.	-1.	0.09	0.24	16.96	16.96	2735.	0.	0.06	0.18
9809	50	16.96	16.96	0.	2.	0.00	0.00	16.96	16.96	0.	2.	0.00	0.00
9810	50	16.96	16.96	1431.	0.	0.03	0.09	16.96	16.96	59.	2.	0.00	0.01
9811	50	16.96	16.96	3048.	3.	0.07	0.20	16.96	16.96	900.	2.	0.02	0.06
9812	50	16.96	16.96	2574.	3.	0.05	0.17	16.96	16.96	1451.	2.	0.03	0.10
9813	50	16.96	16.96	1155.	4.	0.02	0.08	16.96	16.96	1927.	3.	0.04	0.13
9814	50	16.96	16.96	0.	8.	0.00	0.01	16.96	16.96	1867.	2.	0.04	0.12
9815	50	16.96	16.96	0.	8.	0.00	0.01	16.96	16.96	1569.	2.	0.03	0.10
9816	50	16.96	16.96	911.	0.	0.02	0.06	16.96	16.96	1150.	-1.	0.03	0.07
9817	50	16.96	16.96	0.	-3.	0.00	0.00	16.96	16.96	0.	2.	0.00	0.00
9818	50	16.96	16.96	622.	-1.	0.01	0.04	16.96	16.96	913.	-2.	0.02	0.06
9819	50	16.96	16.96	0.	4.	0.00	0.00	16.96	16.96	1323.	-1.	0.03	0.09
9820	50	16.96	16.96	0.	1.	0.00	0.00	16.96	16.96	1289.	-1.	0.03	0.08
9821	50	16.96	16.96	1132.	1.	0.02	0.07	16.96	16.96	1050.	0.	0.02	0.07
9822	50	16.96	16.96	2602.	2.	0.06	0.17	16.96	16.96	688.	2.	0.01	0.05
9823	50	16.96	16.96	3281.	-1.	0.08	0.21	16.96	16.96	2859.	0.	0.07	0.19
9824	50	16.96	16.96	0.	1.	0.00	0.00	16.96	16.96	0.	1.	0.00	0.00
9825	50	16.96	16.96	1918.	-1.	0.04	0.12	16.96	16.96	196.	0.	0.00	0.01
9826	50	16.96	16.96	2487.	3.	0.05	0.17	16.96	16.96	1216.	4.	0.02	0.08
9827	50	16.96	16.96	405.	3.	0.00	0.03	16.96	16.96	1761.	2.	0.04	0.12
9828	50	16.96	16.96	0.	7.	0.00	0.01	16.96	16.96	2214.	1.	0.05	0.15
9829	50	16.96	16.96	0.	8.	0.00	0.01	16.96	16.96	2715.	1.	0.06	0.18
9830	50	16.96	16.96	0.	6.	0.00	0.01	16.96	16.96	1474.	2.	0.03	0.10
9831	50	16.96	16.96	1322.	1.	0.03	0.09	16.96	16.96	1231.	-1.	0.03	0.08
9832	50	16.96	16.96	1280.	1.	0.03	0.08	16.96	16.96	794.	-1.	0.02	0.05
9833	50	16.96	16.96	1078.	-1.	0.02	0.07	16.96	16.96	0.	2.	0.00	0.00
9834	50	16.96	16.96	0.	-3.	0.00	0.00	16.96	16.96	0.	1.	0.00	0.00
9835	50	16.96	16.96	902.	0.	0.02	0.06	16.96	16.96	1266.	-1.	0.03	0.08
9836	50	16.96	16.96	0.	5.	0.00	0.01	16.96	16.96	203.	3.	0.00	0.02
9837	50	16.96	16.96	0.	3.	0.00	0.00	16.96	16.96	169.	3.	0.00	0.02
9838	50	16.96	16.96	1665.	1.	0.04	0.11	16.96	16.96	342.	5.	0.00	0.03
9839	50	16.96	16.96	3088.	3.	0.07	0.20	16.96	16.96	0.	7.	0.00	0.01
9840	50	16.96	16.96	3164.	-1.	0.07	0.21	16.96	16.96	4159.	0.	0.10	0.27
9841	50	16.96	16.96	118.	-2.	0.00	0.01	16.96	16.96	1637.	0.	0.04	0.11
9842	50	16.96	16.96	1853.	-2.	0.04	0.12	16.96	16.96	1565.	0.	0.04	0.10
9843	50	16.96	16.96	3931.	4.	0.09	0.26	16.96	16.96	624.	5.	0.01	0.05
9844	50	16.96	16.96	3204.	3.	0.07	0.21	16.96	16.96	1261.	3.	0.02	0.09
9845	50	16.96	16.96	1413.	3.	0.03	0.10	16.96	16.96	1841.	2.	0.04	0.12
9846	50	16.96	16.96	0.	6.	0.00	0.01	16.96	16.96	1670.	1.	0.04	0.11
9847	50	16.96	16.96	0.	8.	0.00	0.01	16.96	16.96	2193.	0.	0.05	0.14
9848	50	16.96	16.96	0.	-3.	0.00	0.00	16.96	16.96	0.	8.	0.00	0.01
9849	50	16.96	16.96	1353.	-2.	0.03	0.09	16.96	16.96	0.	5.	0.00	0.01
9850	50	16.96	16.96	1444.	0.	0.03	0.09	16.96	16.96	0.	1.	0.00	0.00
9851	50	16.96	16.96	1037.	-1.	0.02	0.07	16.96	16.96	0.	2.	0.00	0.00
9852	50	16.96	16.96	0.	-3.	0.00	0.00	16.96	16.96	1095.	-1.	0.03	0.07
9853	50	16.96	16.96	1316.	0.	0.03	0.09	16.96	16.96	321.	4.	0.00	0.03
9854	50	16.96	16.96	0.	6.	0.00	0.01	16.96	16.96	0.	5.	0.00	0.01
9855	50	16.96	16.96	0.	8.	0.00	0.01	16.96	16.96	0.	6.	0.00	0.01
9856	50	16.96	16.96	2684.	4.	0.06	0.18	16.96	16.96	0.	10.	0.00	0.01
9857	50	16.96	16.96	4524.	4.	0.10	0.30	16.96	16.96	0.	10.	0.00	0.01
9858	50	16.96	16.96	2756.	0.	0.06	0.18	16.96	16.96	4068.	0.	0.09	0.26
9859	50	16.96	16.96	0.	-1.	0.00	0.00	16.96	16.96	1599.	0.	0.04	0.10
9860	50	16.96	16.96	1319.	-3.	0.03	0.09	16.96	16.96	1370.	0.	0.03	0.09
9861	50	16.96	16.96	4458.	5.	0.10	0.30	16.96	16.96	0.	4.	0.00	0.01
9862	50	16.96	16.96	3580.	4.	0.08	0.24	16.96	16.96	0.	3.	0.00	0.00
9863	50	16.96	16.96	1312.	5.	0.02	0.09	16.96	16.96	0.	4.	0.00	0.01
9864	50	16.96	16.96	0.	8.	0.00	0.01	16.96	16.96	0.	5.	0.00	0.01
9865	50	16.96	16.96	0.	5.	0.00	0.01	16.96	16.96	0.	6.	0.00	0.01
9866	50	16.96	16.96	0.	-2.	0.00	0.00	16.96	16.96	0.	8.	0.00	0.01
9867	50	16.96	16.96	1379.	0.	0.03	0.09	16.96	16.96	0.	6.	0.00	0.01
9868	50	16.96	16.96	1490.	0.	0.03	0.10	16.96	16.96	0.	3.	0.00	0.00
9869	50	16.96	16.96	0.	-1.	0.00	0.00	16.96	16.96	1528.	0.	0.04	0.10
9870	50	16.96	16.96	2180.	0.	0.05	0.14	16.96	16.96	0.	8.	0.00	0.01
9871	50	16.96	16.96	5062.	5.	0.11	0.34	16.96	16.96	7185.	7.	0.16	0.48
9872	50	16.96	16.96	4931.	5.	0.11	0.33	16.96	16.96	4025.	4.	0.09	0.27

9873	50	16.96	16.96	931.	1.	0.02	0.06	16.96	16.96	969.	0.	0.02	0.06
9874	50	16.96	16.96	1962.	0.	0.04	0.13	16.96	16.96	2964.	0.	0.07	0.19
9875	50	16.96	16.96	0.	-1.	0.00	0.00	16.96	16.96	1347.	0.	0.03	0.09
9876	50	16.96	16.96	1844.	-3.	0.04	0.12	16.96	16.96	1066.	1.	0.02	0.07
9877	50	16.96	16.96	4692.	0.	0.11	0.30	16.96	16.96	7440.	4.	0.17	0.49
9878	50	16.96	16.96	437.	6.	0.00	0.04	16.96	16.96	0.	5.	0.00	0.01
9879	50	16.96	16.96	0.	8.	0.00	0.01	16.96	16.96	0.	5.	0.00	0.01
9880	50	16.96	16.96	0.	5.	0.00	0.01	16.96	16.96	0.	6.	0.00	0.01
9881	50	16.96	16.96	0.	-2.	0.00	0.00	16.96	16.96	1285.	0.	0.03	0.08
9882	50	16.96	16.96	489.	1.	0.01	0.03	16.96	16.96	932.	3.	0.02	0.07
9883	50	16.96	16.96	2287.	1.	0.05	0.15	16.96	16.96	3444.	0.	0.08	0.22
9884	50	16.96	16.96	0.	0.	0.00	0.00	16.96	16.96	0.	2.	0.00	0.00
9885	50	16.96	16.96	2240.	-2.	0.05	0.14	16.96	16.96	547.	1.	0.01	0.04
9886	50	16.96	16.96	210.	6.	0.00	0.02	16.96	16.96	2124.	2.	0.05	0.14
9887	50	16.96	16.96	0.	8.	0.00	0.01	16.96	16.96	2315.	2.	0.05	0.15
9888	50	16.96	16.96	0.	7.	0.00	0.01	16.96	16.96	2568.	1.	0.06	0.17
9889	50	16.96	16.96	0.	2.	0.00	0.00	16.96	16.96	0.	3.	0.00	0.00
9890	50	16.96	16.96	2674.	1.	0.06	0.17	16.96	16.96	3798.	-1.	0.09	0.25
9891	50	16.96	16.96	0.	-1.	0.00	0.00	16.96	16.96	0.	8.	0.00	0.01
9892	50	16.96	16.96	1237.	-2.	0.03	0.08	16.96	16.96	937.	1.	0.02	0.06
9893	50	16.96	16.96	0.	6.	0.00	0.01	16.96	16.96	2550.	2.	0.06	0.17
9894	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	2741.	1.	0.06	0.18
9895	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	2737.	1.	0.06	0.18
9896	50	16.96	16.96	1331.	-2.	0.03	0.09	16.96	16.96	0.	3.	0.00	0.00
9897	50	16.96	16.96	0.	2.	0.00	0.00	16.96	16.96	0.	9.	0.00	0.01
9898	50	16.96	16.96	5119.	2.	0.11	0.34	16.96	16.96	11029.	4.	0.25	0.72
9899	50	16.96	16.96	5330.	2.	0.12	0.35	16.96	16.96	7074.	2.	0.16	0.46
9900	50	16.96	16.96	2857.	0.	0.06	0.19	16.96	16.96	2851.	-1.	0.07	0.18
9901	50	16.96	16.96	2794.	-8.	0.07	0.18	16.96	16.96	609.	5.	0.01	0.05
9902	50	16.96	16.96	2689.	-4.	0.06	0.17	16.96	16.96	0.	3.	0.00	0.00
9903	50	16.96	16.96	52.	0.	0.00	0.00	16.96	16.96	2058.	2.	0.04	0.14
9904	50	16.96	16.96	4588.	-3.	0.11	0.30	16.96	16.96	10279.	2.	0.23	0.67
9905	50	16.96	16.96	517.	3.	0.01	0.04	16.96	16.96	1712.	1.	0.04	0.11
9906	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	1812.	1.	0.04	0.12
9907	50	16.96	16.96	0.	6.	0.00	0.01	16.96	16.96	1187.	0.	0.03	0.08
9908	50	16.96	16.96	1527.	-12.	0.04	0.10	16.96	16.96	0.	15.	0.00	0.02
9909	50	16.96	16.96	2179.	0.	0.05	0.14	16.96	16.96	0.	8.	0.00	0.01
9910	50	16.96	16.96	5640.	2.	0.13	0.37	16.96	16.96	4860.	9.	0.10	0.33
9911	50	16.96	16.96	5298.	55.	0.06	0.42	16.96	16.96	0.	9.	0.00	0.01
9912	50	16.96	16.96	1770.	-11.	0.04	0.11	16.96	16.96	1751.	16.	0.02	0.14
9913	50	16.96	16.96	3090.	-2.	0.07	0.20	16.96	16.96	1122.	8.	0.02	0.08
9914	50	16.96	16.96	3485.	-1.	0.08	0.23	16.96	16.96	224.	5.	0.00	0.02
9915	50	16.96	16.96	940.	3.	0.02	0.07	16.96	16.96	3441.	4.	0.07	0.23
9916	50	16.96	16.96	3875.	1.	0.09	0.25	16.96	16.96	153.	2.	0.00	0.01
9917	50	16.96	16.96	1051.	1.	0.02	0.07	16.96	16.96	0.	4.	0.00	0.01
9918	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	0.	6.	0.00	0.01
9919	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	0.	6.	0.00	0.01
9920	50	16.96	16.96	3576.	-4.	0.08	0.23	16.96	16.96	1484.	4.	0.03	0.10
9921	50	16.96	16.96	4935.	1.	0.11	0.32	16.96	16.96	0.	6.	0.00	0.01
9922	50	16.96	16.96	5288.	55.	0.06	0.42	16.96	16.96	1870.	8.	0.03	0.13
9923	50	16.96	16.96	666.	3.	0.01	0.05	16.96	16.96	3675.	4.	0.08	0.24
9924	50	16.96	16.96	1225.	-4.	0.03	0.08	16.96	16.96	1468.	5.	0.03	0.10
9925	50	16.96	16.96	2904.	-3.	0.07	0.19	16.96	16.96	0.	3.	0.00	0.00
9926	50	16.96	16.96	4114.	1.	0.09	0.27	16.96	16.96	0.	5.	0.00	0.01
9927	50	16.96	16.96	1755.	1.	0.04	0.12	16.96	16.96	0.	4.	0.00	0.01
9928	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	0.	5.	0.00	0.01
9929	50	16.96	16.96	0.	5.	0.00	0.01	16.96	16.96	0.	6.	0.00	0.01
9930	50	16.96	16.96	6915.	11.	0.15	0.46	16.96	16.96	3717.	4.	0.08	0.25
9931	50	16.96	16.96	0.	12.	0.00	0.02	16.96	16.96	1291.	3.	0.03	0.09
9932	50	16.96	16.96	1344.	-4.	0.03	0.09	16.96	16.96	154.	3.	0.00	0.01
9933	50	16.96	16.96	2912.	0.	0.07	0.19	16.96	16.96	2686.	0.	0.06	0.17
9934	50	16.96	16.96	4353.	6.	0.09	0.29	16.96	16.96	3274.	4.	0.07	0.22
9935	50	16.96	16.96	0.	13.	0.00	0.02	16.96	16.96	55.	4.	0.00	0.01
9936	50	16.96	16.96	3584.	1.	0.08	0.23	16.96	16.96	862.	3.	0.02	0.06
9937	50	16.96	16.96	1869.	1.	0.04	0.12	16.96	16.96	1754.	1.	0.04	0.12
9938	50	16.96	16.96	0.	5.	0.00	0.01	16.96	16.96	1608.	1.	0.04	0.11
9939	50	16.96	16.96	0.	7.	0.00	0.01	16.96	16.96	1261.	1.	0.03	0.08
9940	50	16.96	16.96	2102.	3.	0.04	0.14	16.96	16.96	2884.	0.	0.07	0.19
9941	50	16.96	16.96	1175.	7.	0.02	0.09	16.96	16.96	2783.	3.	0.06	0.18
9942	50	16.96	16.96	1086.	0.	0.02	0.07	16.96	16.96	1855.	1.	0.04	0.12
9943	50	16.96	16.96	0.	3.	0.00	0.00	16.96	16.96	1905.	3.	0.04	0.13
9944	50	16.96	16.96	1263.	2.	0.03	0.08	16.96	16.96	1756.	3.	0.04	0.12
9945	50	16.96	16.96	2645.	0.	0.06	0.17	16.96	16.96	3851.	0.	0.09	0.25
9946	50	16.96	16.96	1905.	0.	0.04	0.12	16.96	16.96	4076.	0.	0.09	0.26
9947	50	16.96	16.96	55.	3.	0.00	0.01	16.96	16.96	2158.	4.	0.04	0.15
9948	50	16.96	16.96	2448.	9.	0.04	0.17	16.96	16.96	2254.	3.	0.05	0.15
9949	50	16.96	16.96	4171.	6.	0.09	0.28	16.96	16.96	2969.	5.	0.06	0.20
9950	50	16.96	16.96	630.	0.	0.01	0.04	16.96	16.96	1753.	0.	0.04	0.11
9951	50	16.96	16.96	0.	2.	0.00	0.00	16.96	16.96	1931.	2.	0.04	0.13
9952	50	16.96	16.96	3290.	2.	0.07	0.22	16.96	16.96	1425.	3.	0.03	0.10
9953	50	16.96	16.96	2700.	1.	0.06	0.18	16.96	16.96	1195.	1.	0.03	0.08
9954	50	16.96	16.96	602.	2.	0.01	0.04	16.96	16.96	1753.	1.	0.04	0.12
9955	50	16.96	16.96	0.	5.	0.00	0.01	16.96	16.96	2254.	1.	0.05	0.15
9956	50	16.96	16.96	0.	7.	0.00	0.01	16.96	16.96	2530.	0.	0.06	0.16
9957	50	16.96	16.96	817.	1.	0.02	0.05	16.96	16.96	3184.	0.	0.07	0.21
9958	50	16.96	16.96	7266.	12.	0.15	0.49	16.96	16.96	3199.	5.	0.07	0.21
9959	50	16.96	16.96	1543.	6.	0.03	0.11	16.96	16.96	2845.	1.	0.06	0.19
9960	50	16.96	16.96	2079.	2.	0.04	0.14	16.96	16.96	2333.	0.	0.05	0.15
9961	50	16.96	16.96	0.	6.	0.00	0.01	16.96	16.96	1759.	4.	0.04	0.12
9962	50	16.96	16.96	1019.	4.	0.02	0.07	16.96	16.96	1298.	3.	0.03	0.09
9963	50	16.96	16.96	3091.	3.	0.07	0.20	16.96	16.96	1039.	2.	0.02	0.07
9964	50	16.96	16.96	3608.	3.	0.08	0.24	16.96	16.96	1138.	1.	0.02	0.08
9965	50	16.96	16.96	2305.	0.	0.05	0.15	16.96	16.96	3613.	0.	0.08	0.23
9966	50	16.96	16.96	1459.	0.	0.03	0.09	16.96	16.96	3907.	0.	0.09	0.25
9967	50	16.96	16.96	490.	0.	0.01	0.03	16.96	16.96	1365.	1.	0.03	0.09

9968	50	16.96	16.96	0.	2.	0.00	0.00	16.96	16.96	1742.	3.	0.04	0.12
9969	50	16.96	16.96	2995.	2.	0.07	0.20	16.96	16.96	1487.	1.	0.03	0.10
9970	50	16.96	16.96	1153.	2.	0.02	0.08	16.96	16.96	1967.	1.	0.04	0.13
9971	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	1999.	1.	0.04	0.13
9972	50	16.96	16.96	0.	6.	0.00	0.01	16.96	16.96	2386.	1.	0.05	0.16
9973	50	16.96	16.96	2563.	1.	0.06	0.17	16.96	16.96	5504.	5.	0.12	0.36
9974	50	16.96	16.96	1350.	2.	0.03	0.09	16.96	16.96	2457.	1.	0.05	0.16
9975	50	16.96	16.96	2264.	2.	0.05	0.15	16.96	16.96	2315.	1.	0.05	0.15
9976	50	16.96	16.96	0.	7.	0.00	0.01	16.96	16.96	9.	5.	0.00	0.01
9977	50	16.96	16.96	1504.	5.	0.03	0.10	16.96	16.96	389.	2.	0.01	0.03
9978	50	16.96	16.96	3150.	4.	0.07	0.21	16.96	16.96	205.	1.	0.00	0.02
9979	50	16.96	16.96	3623.	3.	0.08	0.24	16.96	16.96	316.	1.	0.01	0.02
9980	50	16.96	16.96	519.	-1.	0.01	0.03	16.96	16.96	1106.	2.	0.02	0.07
9981	50	16.96	16.96	2157.	0.	0.05	0.14	16.96	16.96	3086.	0.	0.07	0.20
9982	50	16.96	16.96	1204.	0.	0.03	0.08	16.96	16.96	3571.	0.	0.08	0.23
9983	50	16.96	16.96	2717.	1.	0.06	0.18	16.96	16.96	5368.	0.	0.12	0.35
9984	50	16.96	16.96	935.	6.	0.01	0.07	16.96	16.96	2408.	2.	0.05	0.16
9985	50	16.96	16.96	1067.	-1.	0.02	0.07	16.96	16.96	888.	2.	0.02	0.06
9986	50	16.96	16.96	0.	-1.	0.00	0.00	16.96	16.96	190.	5.	0.00	0.02
9987	50	16.96	16.96	3154.	3.	0.07	0.21	16.96	16.96	197.	2.	0.00	0.02
9988	50	16.96	16.96	1145.	4.	0.02	0.08	16.96	16.96	150.	3.	0.00	0.01
9989	50	16.96	16.96	0.	5.	0.00	0.01	16.96	16.96	0.	4.	0.00	0.01
9990	50	16.96	16.96	0.	3.	0.00	0.00	16.96	16.96	0.	5.	0.00	0.01
9991	50	16.96	16.96	3592.	4.	0.08	0.24	16.96	16.96	2833.	3.	0.06	0.19
9992	50	16.96	16.96	240.	1.	0.00	0.02	16.96	16.96	284.	3.	0.00	0.02
9993	50	16.96	16.96	2005.	0.	0.05	0.13	16.96	16.96	1382.	1.	0.03	0.09
9994	50	16.96	16.96	0.	6.	0.00	0.01	16.96	16.96	0.	2.	0.00	0.00
9995	50	16.96	16.96	1859.	4.	0.04	0.13	16.96	16.96	652.	0.	0.01	0.04
9996	50	16.96	16.96	3176.	4.	0.07	0.21	16.96	16.96	457.	1.	0.01	0.03
9997	50	16.96	16.96	3469.	4.	0.07	0.23	16.96	16.96	309.	1.	0.01	0.02
9998	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	0.	5.	0.00	0.01
9999	50	16.96	16.96	1022.	-1.	0.02	0.07	16.96	16.96	1126.	3.	0.02	0.08
10000	50	16.96	16.96	2896.	0.	0.07	0.19	16.96	16.96	4112.	0.	0.09	0.27

		SUPERIORE ORIZZONTALE						SUPERIORE VERTICALE					
GUSCI	spess	Af	Afc	Mom	Nor	epsC	epsF	Af	Afc	Mom	Nor	epsC	epsF
9386	50	16.96	16.96	0.	5.	0.00	0.01	16.96	16.96	0.	1.	0.00	0.00
9387	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	0.	0.	0.00	0.00
9388	50	16.96	16.96	0.	5.	0.00	0.01	16.96	16.96	0.	1.	0.00	0.00
9389	50	16.96	16.96	0.	5.	0.00	0.01	16.96	16.96	44.	1.	0.00	0.01
9390	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	0.	1.	0.00	0.00
9391	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	134.	2.	0.01	0.04
9392	50	16.96	16.96	0.	6.	0.00	0.01	16.96	16.96	442.	3.	0.02	0.07
9393	50	16.96	16.96	0.	6.	0.00	0.01	16.96	16.96	455.	4.	0.01	0.04
9394	50	16.96	16.96	0.	5.	0.00	0.01	16.96	16.96	678.	2.	0.01	0.05
9395	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	133.	1.	0.01	0.04
9396	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	0.	0.	0.00	0.00
9397	50	16.96	16.96	0.	5.	0.01	0.04	16.96	16.96	0.	1.	0.01	0.03
9398	50	16.96	16.96	0.	6.	0.00	0.04	16.96	16.96	1484.	2.	0.06	0.18
9399	50	16.96	16.96	0.	6.	0.00	0.01	16.96	16.96	1556.	4.	0.03	0.11
9400	50	16.96	16.96	1699.	8.	0.03	0.12	16.96	16.96	3426.	6.	0.08	0.24
9401	50	16.96	16.96	1682.	7.	0.03	0.12	16.96	16.96	0.	1.	0.01	0.04
9402	50	16.96	16.96	739.	6.	0.01	0.06	16.96	16.96	0.	2.	0.00	0.00
9403	50	16.96	16.96	0.	5.	0.00	0.01	16.96	16.96	2618.	5.	0.05	0.18
9404	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	1343.	5.	0.03	0.10
9405	50	16.96	16.96	0.	4.	0.02	0.06	16.96	16.96	686.	-1.	0.02	0.08
9406	50	16.96	16.96	0.	6.	0.00	0.03	16.96	16.96	1462.	3.	0.05	0.17
9407	50	16.96	16.96	0.	5.	0.00	0.01	16.96	16.96	403.	3.	0.02	0.07
9408	50	16.96	16.96	0.	6.	0.00	0.01	16.96	16.96	416.	3.	0.01	0.04
9409	50	16.96	16.96	1836.	6.	0.03	0.13	16.96	16.96	740.	2.	0.03	0.10
9410	50	16.96	16.96	1588.	6.	0.03	0.11	16.96	16.96	4386.	5.	0.11	0.33
9411	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	1336.	5.	0.04	0.13
9412	50	16.96	16.96	0.	4.	0.02	0.07	16.96	16.96	2630.	4.	0.08	0.25
9413	50	16.96	16.96	1157.	3.	0.03	0.11	16.96	16.96	0.	0.	0.00	0.00
9414	50	16.96	16.96	1879.	6.	0.06	0.22	16.96	16.96	0.	1.	0.00	0.01
9415	50	16.96	16.96	2097.	8.	0.10	0.32	16.96	16.96	2838.	2.	0.09	0.26
9416	50	16.96	16.96	2028.	7.	0.10	0.31	16.96	16.96	2849.	4.	0.08	0.26
9417	50	16.96	16.96	0.	6.	0.00	0.01	16.96	16.96	1537.	1.	0.03	0.10
9418	50	16.96	16.96	1709.	8.	0.03	0.12	16.96	16.96	3460.	4.	0.07	0.23
9419	50	16.96	16.96	7537.	9.	0.16	0.50	16.96	16.96	3974.	6.	0.11	0.33
9420	50	16.96	16.96	4993.	6.	0.12	0.36	16.96	16.96	0.	2.	0.00	0.00
9421	50	16.96	16.96	2921.	8.	0.06	0.20	16.96	16.96	0.	2.	0.00	0.00
9422	50	16.96	16.96	818.	4.	0.01	0.06	16.96	16.96	3945.	7.	0.09	0.29
9423	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	2456.	6.	0.05	0.17
9424	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	1656.	6.	0.03	0.12
9425	50	16.96	16.96	2686.	4.	0.11	0.33	16.96	16.96	3330.	4.	0.10	0.31
9426	50	16.96	16.96	2232.	3.	0.08	0.24	16.96	16.96	446.	0.	0.01	0.05
9427	50	16.96	16.96	1912.	4.	0.06	0.21	16.96	16.96	0.	1.	0.00	0.00
9428	50	16.96	16.96	0.	4.	0.01	0.05	16.96	16.96	0.	1.	0.01	0.02
9429	50	16.96	16.96	0.	5.	0.00	0.01	16.96	16.96	0.	1.	0.00	0.00
9430	50	16.96	16.96	0.	5.	0.00	0.01	16.96	16.96	0.	2.	0.00	0.00
9431	50	16.96	16.96	7436.	10.	0.16	0.50	16.96	16.96	3998.	7.	0.11	0.33
9432	50	16.96	16.96	4766.	9.	0.11	0.37	16.96	16.96	203.	3.	0.02	0.07
9433	50	16.96	16.96	7363.	8.	0.16	0.49	16.96	16.96	4259.	4.	0.13	0.40
9434	50	16.96	16.96	7561.	6.	0.17	0.50	16.96	16.96	5222.	8.	0.13	0.41
9435	50	16.96	16.96	0.	3.	0.00	0.00	16.96	16.96	1478.	5.	0.04	0.12
9436	50	16.96	16.96	0.	3.	0.01	0.05	16.96	16.96	2092.	4.	0.08	0.23
9437	50	16.96	16.96	2383.	3.	0.12	0.34	16.96	16.96	3748.	4.	0.11	0.34
9438	50	16.96	16.96	1646.	2.	0.04	0.11	16.96	16.96	0.	0.	0.00	0.00
9439	50	16.96	16.96	3094.	3.	0.07	0.20	16.96	16.96	0.	1.	0.00	0.01
9440	50	16.96	16.96	4130.	0.	0.09	0.27	16.96	16.96	3248.	3.	0.08	0.25
9441	50	16.96	16.96	4038.	0.	0.09	0.26	16.96	16.96	3254.	4.	0.09	0.27
9442	50	16.96	16.96	0.	6.	0.00	0.01	16.96	16.96	0.	3.	0.00	0.00
9443	50	16.96	16.96	1765.	7.	0.03	0.12	16.96	16.96	0.	4.	0.01	0.04
9444	50	16.96	16.96	3722.	7.	0.15	0.45	16.96	16.96	3786.	5.	0.11	0.32

9445	50	16.96 16.96	3919.	9.	0.12	0.36	16.96 16.96	109.	2.	0.01	0.03
9446	50	16.96 16.96	2407.	10.	0.06	0.23	16.96 16.96	0.	2.	0.00	0.00
9447	50	16.96 16.96	6135.	5.	0.14	0.40	16.96 16.96	1212.	3.	0.03	0.12
9448	50	16.96 16.96	4872.	2.	0.11	0.32	16.96 16.96	4387.	3.	0.11	0.33
9449	50	16.96 16.96	4093.	3.	0.09	0.27	16.96 16.96	3045.	4.	0.09	0.27
9450	50	16.96 16.96	2788.	2.	0.06	0.18	16.96 16.96	0.	0.	0.01	0.02
9451	50	16.96 16.96	3057.	2.	0.07	0.20	16.96 16.96	0.	0.	0.01	0.01
9452	50	16.96 16.96	1122.	4.	0.03	0.11	16.96 16.96	0.	1.	0.00	0.00
9453	50	16.96 16.96	0.	4.	0.00	0.01	16.96 16.96	0.	1.	0.00	0.00
9454	50	16.96 16.96	0.	5.	0.00	0.01	16.96 16.96	0.	2.	0.00	0.00
9455	50	16.96 16.96	5014.	9.	0.10	0.34	16.96 16.96	0.	4.	0.00	0.01
9456	50	16.96 16.96	3413.	7.	0.15	0.43	16.96 16.96	3674.	8.	0.10	0.31
9457	50	16.96 16.96	1626.	9.	0.06	0.21	16.96 16.96	4.	4.	0.01	0.04
9458	50	16.96 16.96	1588.	7.	0.09	0.27	16.96 16.96	3365.	6.	0.11	0.34
9459	50	16.96 16.96	2631.	5.	0.11	0.33	16.96 16.96	4757.	7.	0.13	0.39
9460	50	16.96 16.96	0.	3.	0.00	0.00	16.96 16.96	903.	4.	0.02	0.07
9461	50	16.96 16.96	0.	3.	0.02	0.06	16.96 16.96	460.	2.	0.01	0.05
9462	50	16.96 16.96	2024.	2.	0.09	0.27	16.96 16.96	200.	1.	0.02	0.05
9463	50	16.96 16.96	46.	1.	0.00	0.00	16.96 16.96	0.	-1.	0.00	0.00
9464	50	16.96 16.96	518.	1.	0.01	0.04	16.96 16.96	0.	0.	0.01	0.02
9465	50	16.96 16.96	294.	0.	0.01	0.02	16.96 16.96	2686.	2.	0.06	0.18
9466	50	16.96 16.96	284.	0.	0.01	0.02	16.96 16.96	2688.	4.	0.06	0.18
9467	50	16.96 16.96	1607.	2.	0.03	0.11	16.96 16.96	0.	0.	0.00	0.00
9468	50	16.96 16.96	0.	4.	0.00	0.01	16.96 16.96	0.	2.	0.00	0.00
9469	50	16.96 16.96	757.	5.	0.01	0.06	16.96 16.96	0.	3.	0.00	0.00
9470	50	16.96 16.96	2916.	4.	0.06	0.20	16.96 16.96	0.	3.	0.00	0.00
9471	50	16.96 16.96	528.	2.	0.04	0.15	16.96 16.96	1394.	3.	0.07	0.20
9472	50	16.96 16.96	3907.	6.	0.13	0.38	16.96 16.96	957.	5.	0.04	0.12
9473	50	16.96 16.96	4421.	2.	0.10	0.29	16.96 16.96	450.	0.	0.03	0.08
9474	50	16.96 16.96	1009.	0.	0.02	0.07	16.96 16.96	3442.	0.	0.08	0.22
9475	50	16.96 16.96	380.	0.	0.01	0.03	16.96 16.96	2681.	3.	0.06	0.18
9476	50	16.96 16.96	551.	2.	0.01	0.04	16.96 16.96	0.	-2.	0.01	0.03
9477	50	16.96 16.96	493.	1.	0.01	0.03	16.96 16.96	0.	0.	0.01	0.03
9478	50	16.96 16.96	3042.	3.	0.07	0.20	16.96 16.96	0.	1.	0.00	0.00
9479	50	16.96 16.96	1953.	6.	0.07	0.23	16.96 16.96	0.	2.	0.00	0.00
9480	50	16.96 16.96	0.	5.	0.01	0.05	16.96 16.96	0.	2.	0.01	0.02
9481	50	16.96 16.96	0.	5.	0.00	0.01	16.96 16.96	0.	2.	0.00	0.00
9482	50	16.96 16.96	3901.	7.	0.12	0.37	16.96 16.96	49.	4.	0.00	0.03
9483	50	16.96 16.96	320.	2.	0.03	0.13	16.96 16.96	1172.	6.	0.06	0.20
9484	50	16.96 16.96	0.	1.	0.00	0.00	16.96 16.96	0.	0.	0.00	0.00
9485	50	16.96 16.96	0.	5.	0.00	0.01	16.96 16.96	0.	1.	0.00	0.00
9486	50	16.96 16.96	0.	4.	0.00	0.01	16.96 16.96	0.	2.	0.00	0.00
9487	50	16.96 16.96	1614.	3.	0.03	0.11	16.96 16.96	29.	2.	0.01	0.04
9488	50	16.96 16.96	4545.	3.	0.10	0.32	16.96 16.96	0.	3.	0.01	0.04
9489	50	16.96 16.96	1504.	1.	0.07	0.22	16.96 16.96	0.	3.	0.00	0.03
9490	50	16.96 16.96	2364.	4.	0.07	0.22	16.96 16.96	0.	3.	0.00	0.00
9491	50	16.96 16.96	4830.	9.	0.14	0.44	16.96 16.96	0.	4.	0.00	0.02
9492	50	16.96 16.96	0.	3.	0.00	0.00	16.96 16.96	3572.	10.	0.07	0.25
9493	50	16.96 16.96	1584.	1.	0.04	0.10	16.96 16.96	636.	0.	0.03	0.08
9494	50	16.96 16.96	496.	2.	0.01	0.03	16.96 16.96	0.	1.	0.01	0.02
9495	50	16.96 16.96	4180.	0.	0.10	0.27	16.96 16.96	3219.	4.	0.08	0.26
9496	50	16.96 16.96	2191.	8.	0.10	0.32	16.96 16.96	2802.	4.	0.09	0.26
9497	50	16.96 16.96	0.	6.	0.00	0.04	16.96 16.96	1447.	2.	0.06	0.18
9498	50	16.96 16.96	0.	5.	0.00	0.01	16.96 16.96	292.	1.	0.02	0.06
9499	50	16.96 16.96	0.	5.	0.00	0.01	16.96 16.96	270.	1.	0.01	0.03
9500	50	16.96 16.96	0.	4.	0.00	0.01	16.96 16.96	1364.	3.	0.03	0.09
9501	50	16.96 16.96	1366.	4.	0.03	0.09	16.96 16.96	3403.	5.	0.08	0.24
9502	50	16.96 16.96	6681.	7.	0.15	0.44	16.96 16.96	3780.	3.	0.12	0.35
9503	50	16.96 16.96	1236.	-1.	0.09	0.25	16.96 16.96	3984.	6.	0.11	0.33
9504	50	16.96 16.96	0.	1.	0.00	0.00	16.96 16.96	0.	3.	0.00	0.01
9505	50	16.96 16.96	0.	1.	0.00	0.00	16.96 16.96	0.	4.	0.00	0.01
9506	50	16.96 16.96	0.	1.	0.00	0.02	16.96 16.96	0.	5.	0.00	0.01
9507	50	16.96 16.96	943.	2.	0.02	0.06	16.96 16.96	522.	6.	0.01	0.06
9508	50	16.96 16.96	1129.	-1.	0.03	0.07	16.96 16.96	2841.	5.	0.07	0.20
9509	50	16.96 16.96	5958.	10.	0.19	0.58	16.96 16.96	1359.	9.	0.08	0.23
9510	50	16.96 16.96	0.	2.	0.00	0.00	16.96 16.96	4564.	13.	0.09	0.31
9511	50	16.96 16.96	3074.	3.	0.10	0.31	16.96 16.96	4765.	5.	0.13	0.39
9512	50	16.96 16.96	283.	0.	0.01	0.02	16.96 16.96	2674.	2.	0.06	0.18
9513	50	16.96 16.96	4035.	0.	0.09	0.26	16.96 16.96	3276.	4.	0.09	0.27
9514	50	16.96 16.96	1993.	6.	0.10	0.31	16.96 16.96	2839.	4.	0.09	0.26
9515	50	16.96 16.96	0.	5.	0.00	0.03	16.96 16.96	1452.	2.	0.05	0.17
9516	50	16.96 16.96	0.	5.	0.00	0.01	16.96 16.96	292.	1.	0.02	0.06
9517	50	16.96 16.96	582.	0.	0.01	0.04	16.96 16.96	1362.	5.	0.02	0.10
9518	50	16.96 16.96	7531.	7.	0.22	0.65	16.96 16.96	5534.	8.	0.14	0.42
9519	50	16.96 16.96	6508.	3.	0.15	0.43	16.96 16.96	4847.	7.	0.12	0.36
9520	50	16.96 16.96	0.	2.	0.00	0.01	16.96 16.96	1976.	0.	0.06	0.18
9521	50	16.96 16.96	0.	1.	0.01	0.02	16.96 16.96	0.	-1.	0.01	0.03
9522	50	16.96 16.96	0.	0.	0.00	0.00	16.96 16.96	0.	0.	0.00	0.00
9523	50	16.96 16.96	0.	0.	0.01	0.03	16.96 16.96	0.	0.	0.01	0.02
9524	50	16.96 16.96	0.	0.	0.00	0.01	16.96 16.96	1491.	0.	0.06	0.16
9525	50	16.96 16.96	0.	0.	0.00	0.01	16.96 16.96	1495.	1.	0.06	0.18
9526	50	16.96 16.96	0.	0.	0.01	0.03	16.96 16.96	0.	0.	0.01	0.03
9527	50	16.96 16.96	0.	5.	0.00	0.01	16.96 16.96	268.	2.	0.01	0.03
9528	50	16.96 16.96	0.	5.	0.00	0.01	16.96 16.96	1342.	3.	0.03	0.09
9529	50	16.96 16.96	1232.	5.	0.02	0.09	16.96 16.96	3349.	3.	0.07	0.22
9530	50	16.96 16.96	6468.	6.	0.14	0.43	16.96 16.96	3831.	4.	0.11	0.34
9531	50	16.96 16.96	1497.	3.	0.09	0.26	16.96 16.96	4096.	5.	0.12	0.36
9532	50	16.96 16.96	0.	2.	0.01	0.05	16.96 16.96	0.	2.	0.00	0.02
9533	50	16.96 16.96	662.	0.	0.02	0.07	16.96 16.96	0.	2.	0.00	0.02
9534	50	16.96 16.96	0.	0.	0.00	0.00	16.96 16.96	0.	3.	0.00	0.00
9535	50	16.96 16.96	0.	0.	0.00	0.00	16.96 16.96	0.	4.	0.00	0.01
9536	50	16.96 16.96	368.	1.	0.01	0.04	16.96 16.96	0.	5.	0.00	0.01
9537	50	16.96 16.96	1648.	1.	0.04	0.11	16.96 16.96	467.	6.	0.01	0.07
9538	50	16.96 16.96	2325.	1.	0.05	0.15	16.96 16.96	3283.	8.	0.08	0.24
9539	50	16.96 16.96	0.	2.	0.00	0.00	16.96 16.96	0.	6.	0.00	0.01

9540	50	16.96	16.96	7734.	8.	0.31	0.89	16.96	16.96	7883.	7.	0.25	0.72
9541	50	16.96	16.96	0.	1.	0.00	0.00	16.96	16.96	0.	4.	0.02	0.09
9542	50	16.96	16.96	0.	1.	0.00	0.00	16.96	16.96	0.	4.	0.00	0.01
9543	50	16.96	16.96	2888.	0.	0.07	0.19	16.96	16.96	3573.	4.	0.08	0.25
9544	50	16.96	16.96	1249.	1.	0.05	0.16	16.96	16.96	1809.	-2.	0.06	0.15
9545	50	16.96	16.96	0.	2.	0.03	0.08	16.96	16.96	3030.	-1.	0.10	0.29
9546	50	16.96	16.96	0.	0.	0.00	0.00	16.96	16.96	0.	0.	0.00	0.00
9547	50	16.96	16.96	0.	0.	0.01	0.03	16.96	16.96	0.	0.	0.00	0.01
9548	50	16.96	16.96	317.	0.	0.01	0.02	16.96	16.96	2728.	3.	0.06	0.18
9549	50	16.96	16.96	3077.	2.	0.07	0.20	16.96	16.96	0.	1.	0.01	0.02
9550	50	16.96	16.96	1945.	4.	0.06	0.20	16.96	16.96	0.	1.	0.00	0.00
9551	50	16.96	16.96	0.	4.	0.01	0.05	16.96	16.96	0.	1.	0.01	0.02
9552	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	0.	1.	0.00	0.00
9553	50	16.96	16.96	1062.	2.	0.03	0.08	16.96	16.96	1559.	1.	0.04	0.13
9554	50	16.96	16.96	1172.	1.	0.04	0.12	16.96	16.96	1702.	3.	0.04	0.13
9555	50	16.96	16.96	2805.	10.	0.11	0.36	16.96	16.96	4513.	11.	0.16	0.48
9556	50	16.96	16.96	1370.	3.	0.09	0.27	16.96	16.96	2562.	2.	0.09	0.28
9557	50	16.96	16.96	1307.	2.	0.05	0.15	16.96	16.96	0.	0.	0.00	0.01
9558	50	16.96	16.96	693.	1.	0.02	0.07	16.96	16.96	0.	0.	0.00	0.00
9559	50	16.96	16.96	1488.	0.	0.06	0.18	16.96	16.96	0.	0.	0.00	0.00
9560	50	16.96	16.96	1705.	1.	0.09	0.28	16.96	16.96	2678.	2.	0.08	0.24
9561	50	16.96	16.96	1640.	1.	0.09	0.27	16.96	16.96	2609.	1.	0.09	0.25
9562	50	16.96	16.96	1497.	1.	0.06	0.17	16.96	16.96	0.	0.	0.00	0.01
9563	50	16.96	16.96	0.	0.	0.00	0.01	16.96	16.96	1427.	0.	0.06	0.16
9564	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	0.	1.	0.00	0.00
9565	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	0.	1.	0.00	0.00
9566	50	16.96	16.96	1551.	5.	0.03	0.11	16.96	16.96	22.	1.	0.01	0.04
9567	50	16.96	16.96	4445.	7.	0.09	0.30	16.96	16.96	0.	2.	0.01	0.03
9568	50	16.96	16.96	1528.	5.	0.06	0.22	16.96	16.96	0.	1.	0.00	0.02
9569	50	16.96	16.96	2179.	1.	0.06	0.17	16.96	16.96	1785.	0.	0.05	0.14
9570	50	16.96	16.96	0.	1.	0.01	0.04	16.96	16.96	0.	5.	0.00	0.01
9571	50	16.96	16.96	0.	6.	0.00	0.03	16.96	16.96	0.	5.	0.01	0.06
9572	50	16.96	16.96	10848.	5.	0.33	0.94	16.96	16.96	14774.	6.	0.37	1.06
9573	50	16.96	16.96	0.	0.	0.00	0.00	16.96	16.96	0.	2.	0.00	0.00
9574	50	16.96	16.96	0.	0.	0.00	0.00	16.96	16.96	0.	2.	0.00	0.00
9575	50	16.96	16.96	3229.	0.	0.10	0.29	16.96	16.96	2299.	-3.	0.06	0.18
9576	50	16.96	16.96	2604.	2.	0.11	0.33	16.96	16.96	5081.	-2.	0.14	0.41
9577	50	16.96	16.96	768.	1.	0.03	0.08	16.96	16.96	0.	0.	0.00	0.00
9578	50	16.96	16.96	1475.	2.	0.06	0.19	16.96	16.96	0.	0.	0.00	0.00
9579	50	16.96	16.96	1745.	2.	0.10	0.28	16.96	16.96	2589.	1.	0.08	0.23
9580	50	16.96	16.96	533.	1.	0.01	0.04	16.96	16.96	0.	0.	0.01	0.03
9581	50	16.96	16.96	1606.	2.	0.03	0.11	16.96	16.96	0.	0.	0.00	0.00
9582	50	16.96	16.96	1119.	3.	0.03	0.11	16.96	16.96	0.	1.	0.00	0.00
9583	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	0.	1.	0.00	0.00
9584	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	0.	1.	0.00	0.00
9585	50	16.96	16.96	1832.	1.	0.10	0.28	16.96	16.96	391.	0.	0.03	0.08
9586	50	16.96	16.96	3566.	-2.	0.08	0.23	16.96	16.96	3669.	4.	0.11	0.32
9587	50	16.96	16.96	2090.	1.	0.05	0.15	16.96	16.96	0.	0.	0.02	0.07
9588	50	16.96	16.96	992.	1.	0.02	0.07	16.96	16.96	0.	0.	0.00	0.00
9589	50	16.96	16.96	2344.	0.	0.05	0.15	16.96	16.96	0.	0.	0.00	0.01
9590	50	16.96	16.96	3559.	1.	0.08	0.23	16.96	16.96	3074.	2.	0.09	0.25
9591	50	16.96	16.96	3226.	1.	0.07	0.21	16.96	16.96	3064.	2.	0.08	0.24
9592	50	16.96	16.96	2416.	1.	0.05	0.16	16.96	16.96	0.	-1.	0.00	0.01
9593	50	16.96	16.96	1575.	1.	0.09	0.27	16.96	16.96	2580.	1.	0.08	0.24
9594	50	16.96	16.96	0.	0.	0.00	0.01	16.96	16.96	1467.	1.	0.06	0.17
9595	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	0.	1.	0.00	0.00
9596	50	16.96	16.96	721.	3.	0.01	0.05	16.96	16.96	0.	1.	0.00	0.00
9597	50	16.96	16.96	2853.	6.	0.06	0.19	16.96	16.96	0.	1.	0.00	0.00
9598	50	16.96	16.96	2348.	8.	0.06	0.22	16.96	16.96	0.	0.	0.00	0.00
9599	50	16.96	16.96	82.	1.	0.01	0.04	16.96	16.96	0.	5.	0.00	0.03
9600	50	16.96	16.96	6829.	8.	0.17	0.52	16.96	16.96	0.	1.	0.00	0.00
9601	50	16.96	16.96	1053.	1.	0.07	0.21	16.96	16.96	4704.	4.	0.13	0.37
9602	50	16.96	16.96	3249.	-1.	0.07	0.21	16.96	16.96	2485.	-3.	0.07	0.19
9603	50	16.96	16.96	3773.	-2.	0.09	0.24	16.96	16.96	5569.	-1.	0.15	0.43
9604	50	16.96	16.96	1177.	1.	0.03	0.08	16.96	16.96	0.	-1.	0.00	0.00
9605	50	16.96	16.96	2357.	2.	0.05	0.16	16.96	16.96	0.	0.	0.00	0.01
9606	50	16.96	16.96	3286.	0.	0.08	0.21	16.96	16.96	2982.	2.	0.08	0.24
9607	50	16.96	16.96	0.	1.	0.00	0.00	16.96	16.96	0.	0.	0.00	0.00
9608	50	16.96	16.96	3038.	3.	0.07	0.20	16.96	16.96	0.	1.	0.00	0.01
9609	50	16.96	16.96	1921.	6.	0.07	0.23	16.96	16.96	0.	2.	0.00	0.00
9610	50	16.96	16.96	0.	5.	0.01	0.05	16.96	16.96	0.	2.	0.01	0.03
9611	50	16.96	16.96	0.	5.	0.00	0.01	16.96	16.96	0.	1.	0.00	0.00
9612	50	16.96	16.96	1281.	0.	0.03	0.09	16.96	16.96	1916.	1.	0.06	0.16
9613	50	16.96	16.96	3971.	1.	0.09	0.26	16.96	16.96	2018.	-2.	0.06	0.16
9614	50	16.96	16.96	1326.	1.	0.09	0.25	16.96	16.96	4303.	5.	0.13	0.45
9615	50	16.96	16.96	0.	-4.	0.00	0.00	16.96	16.96	3863.	1.	0.09	0.27
9616	50	16.96	16.96	50.	-3.	0.00	0.00	16.96	16.96	798.	0.	0.03	0.09
9617	50	16.96	16.96	0.	-2.	0.00	0.00	16.96	16.96	0.	0.	0.00	0.00
9618	50	16.96	16.96	356.	-2.	0.01	0.02	16.96	16.96	0.	0.	0.01	0.02
9619	50	16.96	16.96	235.	-2.	0.01	0.01	16.96	16.96	2550.	0.	0.06	0.17
9620	50	16.96	16.96	172.	-1.	0.00	0.01	16.96	16.96	2503.	0.	0.06	0.16
9621	50	16.96	16.96	388.	0.	0.01	0.03	16.96	16.96	0.	-1.	0.01	0.02
9622	50	16.96	16.96	3140.	0.	0.07	0.20	16.96	16.96	3041.	2.	0.08	0.25
9623	50	16.96	16.96	1500.	1.	0.06	0.17	16.96	16.96	0.	0.	0.00	0.00
9624	50	16.96	16.96	0.	0.	0.01	0.03	16.96	16.96	0.	0.	0.01	0.03
9625	50	16.96	16.96	0.	5.	0.00	0.01	16.96	16.96	0.	1.	0.00	0.00
9626	50	16.96	16.96	0.	5.	0.00	0.01	16.96	16.96	0.	1.	0.00	0.00
9627	50	16.96	16.96	1771.	5.	0.03	0.12	16.96	16.96	0.	2.	0.01	0.04
9628	50	16.96	16.96	4977.	4.	0.12	0.36	16.96	16.96	0.	1.	0.00	0.00
9629	50	16.96	16.96	3922.	2.	0.12	0.36	16.96	16.96	83.	1.	0.01	0.03
9630	50	16.96	16.96	1254.	3.	0.03	0.11	16.96	16.96	1593.	12.	0.04	0.17
9631	50	16.96	16.96	8579.	3.	0.23	0.65	16.96	16.96	4053.	1.	0.09	0.27
9632	50	16.96	16.96	86.	-3.	0.00	0.01	16.96	16.96	4610.	-1.	0.11	0.32
9633	50	16.96	16.96	0.	0.	0.00	0.00	16.96	16.96	0.	-1.	0.00	0.00
9634	50	16.96	16.96	331.	0.	0.01	0.02	16.96	16.96	0.	-1.	0.01	0.02

9635	50	16.96	16.96	160.	-1.	0.00	0.01	16.96	16.96	2462.	0.	0.06	0.16
9636	50	16.96	16.96	2364.	0.	0.05	0.15	16.96	16.96	0.	0.	0.00	0.01
9637	50	16.96	16.96	460.	1.	0.01	0.03	16.96	16.96	0.	1.	0.01	0.03
9638	50	16.96	16.96	4190.	0.	0.10	0.27	16.96	16.96	3265.	5.	0.09	0.27
9639	50	16.96	16.96	2184.	8.	0.10	0.32	16.96	16.96	2859.	5.	0.08	0.26
9640	50	16.96	16.96	0.	6.	0.00	0.03	16.96	16.96	1485.	3.	0.06	0.18
9641	50	16.96	16.96	0.	5.	0.00	0.01	16.96	16.96	417.	3.	0.02	0.07
9642	50	16.96	16.96	729.	0.	0.02	0.06	16.96	16.96	99.	4.	0.00	0.03
9643	50	16.96	16.96	5839.	6.	0.15	0.45	16.96	16.96	4432.	1.	0.11	0.31
9644	50	16.96	16.96	7726.	16.	0.16	0.52	16.96	16.96	3561.	3.	0.09	0.28
9645	50	16.96	16.96	0.	-2.	0.01	0.04	16.96	16.96	3555.	0.	0.09	0.26
9646	50	16.96	16.96	0.	-2.	0.01	0.02	16.96	16.96	2975.	0.	0.09	0.26
9647	50	16.96	16.96	0.	-1.	0.02	0.07	16.96	16.96	973.	0.	0.04	0.11
9648	50	16.96	16.96	0.	0.	0.02	0.07	16.96	16.96	0.	-1.	0.00	0.00
9649	50	16.96	16.96	0.	-1.	0.01	0.04	16.96	16.96	1231.	1.	0.04	0.12
9650	50	16.96	16.96	0.	0.	0.02	0.06	16.96	16.96	1222.	1.	0.04	0.13
9651	50	16.96	16.96	0.	2.	0.03	0.09	16.96	16.96	0.	0.	0.00	0.01
9652	50	16.96	16.96	118.	-1.	0.00	0.01	16.96	16.96	2531.	0.	0.06	0.16
9653	50	16.96	16.96	765.	1.	0.03	0.08	16.96	16.96	0.	0.	0.00	0.00
9654	50	16.96	16.96	0.	-1.	0.00	0.00	16.96	16.96	0.	0.	0.00	0.00
9655	50	16.96	16.96	0.	5.	0.00	0.01	16.96	16.96	432.	3.	0.01	0.04
9656	50	16.96	16.96	0.	5.	0.00	0.01	16.96	16.96	1587.	0.	0.04	0.10
9657	50	16.96	16.96	1787.	6.	0.03	0.12	16.96	16.96	3487.	3.	0.08	0.25
9658	50	16.96	16.96	7680.	8.	0.17	0.51	16.96	16.96	3973.	5.	0.11	0.33
9659	50	16.96	16.96	3687.	-1.	0.16	0.44	16.96	16.96	3807.	5.	0.10	0.31
9660	50	16.96	16.96	4471.	3.	0.11	0.34	16.96	16.96	4368.	14.	0.10	0.30
9661	50	16.96	16.96	0.	1.	0.03	0.09	16.96	16.96	0.	-1.	0.00	0.01
9662	50	16.96	16.96	0.	0.	0.02	0.06	16.96	16.96	1277.	1.	0.04	0.14
9663	50	16.96	16.96	1175.	1.	0.03	0.08	16.96	16.96	0.	-1.	0.00	0.00
9664	50	16.96	16.96	259.	0.	0.01	0.02	16.96	16.96	2747.	3.	0.06	0.18
9665	50	16.96	16.96	3994.	-1.	0.09	0.26	16.96	16.96	3423.	3.	0.09	0.27
9666	50	16.96	16.96	1976.	7.	0.10	0.32	16.96	16.96	2982.	2.	0.09	0.27
9667	50	16.96	16.96	0.	5.	0.00	0.03	16.96	16.96	1513.	0.	0.06	0.18
9668	50	16.96	16.96	0.	5.	0.00	0.01	16.96	16.96	411.	2.	0.02	0.07
9669	50	16.96	16.96	329.	0.	0.04	0.13	16.96	16.96	1590.	4.	0.07	0.21
9670	50	16.96	16.96	0.	0.	0.00	0.00	16.96	16.96	0.	4.	0.00	0.01
9671	50	16.96	16.96	6635.	0.	0.23	0.64	16.96	16.96	5738.	0.	0.13	0.37
9672	50	16.96	16.96	1468.	-3.	0.07	0.20	16.96	16.96	4437.	2.	0.13	0.39
9673	50	16.96	16.96	1785.	-4.	0.09	0.25	16.96	16.96	4673.	2.	0.13	0.40
9674	50	16.96	16.96	2720.	1.	0.10	0.29	16.96	16.96	1834.	1.	0.05	0.15
9675	50	16.96	16.96	2525.	2.	0.09	0.26	16.96	16.96	0.	-1.	0.00	0.01
9676	50	16.96	16.96	2011.	-2.	0.09	0.25	16.96	16.96	2393.	3.	0.08	0.25
9677	50	16.96	16.96	2178.	-1.	0.09	0.26	16.96	16.96	2623.	4.	0.08	0.27
9678	50	16.96	16.96	2671.	3.	0.09	0.27	16.96	16.96	343.	0.	0.02	0.04
9679	50	16.96	16.96	0.	1.	0.02	0.06	16.96	16.96	1353.	1.	0.04	0.14
9680	50	16.96	16.96	1475.	1.	0.06	0.19	16.96	16.96	0.	0.	0.00	0.00
9681	50	16.96	16.96	0.	0.	0.01	0.02	16.96	16.96	0.	0.	0.01	0.02
9682	50	16.96	16.96	0.	5.	0.00	0.01	16.96	16.96	421.	3.	0.01	0.04
9683	50	16.96	16.96	0.	6.	0.00	0.01	16.96	16.96	1572.	4.	0.03	0.11
9684	50	16.96	16.96	1718.	7.	0.03	0.12	16.96	16.96	3594.	6.	0.08	0.24
9685	50	16.96	16.96	7566.	10.	0.16	0.50	16.96	16.96	4206.	7.	0.11	0.35
9686	50	16.96	16.96	3421.	0.	0.15	0.43	16.96	16.96	3977.	7.	0.11	0.34
9687	50	16.96	16.96	3977.	6.	0.18	0.51	16.96	16.96	4128.	0.	0.10	0.30
9688	50	16.96	16.96	2620.	2.	0.08	0.24	16.96	16.96	0.	0.	0.00	0.00
9689	50	16.96	16.96	2484.	3.	0.07	0.23	16.96	16.96	0.	-1.	0.00	0.00
9690	50	16.96	16.96	2687.	2.	0.09	0.27	16.96	16.96	366.	-1.	0.02	0.05
9691	50	16.96	16.96	2120.	-1.	0.09	0.25	16.96	16.96	2755.	4.	0.09	0.28
9692	50	16.96	16.96	2058.	0.	0.09	0.26	16.96	16.96	2806.	4.	0.09	0.28
9693	50	16.96	16.96	2384.	1.	0.05	0.16	16.96	16.96	0.	0.	0.00	0.01
9694	50	16.96	16.96	296.	-1.	0.01	0.02	16.96	16.96	2857.	2.	0.06	0.19
9695	50	16.96	16.96	3058.	2.	0.07	0.20	16.96	16.96	0.	0.	0.01	0.02
9696	50	16.96	16.96	1937.	4.	0.06	0.20	16.96	16.96	0.	1.	0.00	0.01
9697	50	16.96	16.96	0.	4.	0.01	0.04	16.96	16.96	0.	1.	0.01	0.03
9698	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	0.	1.	0.00	0.00
9699	50	16.96	16.96	446.	0.	0.04	0.13	16.96	16.96	1312.	6.	0.07	0.21
9700	50	16.96	16.96	0.	0.	0.00	0.00	16.96	16.96	0.	4.	0.00	0.01
9701	50	16.96	16.96	4939.	-6.	0.21	0.59	16.96	16.96	6549.	7.	0.19	0.57
9702	50	16.96	16.96	6138.	-7.	0.22	0.61	16.96	16.96	6536.	7.	0.17	0.51
9703	50	16.96	16.96	6383.	2.	0.19	0.54	16.96	16.96	1209.	1.	0.03	0.09
9704	50	16.96	16.96	5653.	3.	0.17	0.48	16.96	16.96	0.	0.	0.00	0.00
9705	50	16.96	16.96	5695.	-4.	0.20	0.55	16.96	16.96	4535.	7.	0.13	0.39
9706	50	16.96	16.96	5873.	-3.	0.20	0.56	16.96	16.96	4750.	8.	0.15	0.43
9707	50	16.96	16.96	1759.	1.	0.10	0.28	16.96	16.96	2692.	2.	0.08	0.24
9708	50	16.96	16.96	0.	0.	0.00	0.01	16.96	16.96	1665.	2.	0.06	0.18
9709	50	16.96	16.96	0.	5.	0.00	0.01	16.96	16.96	0.	1.	0.00	0.00
9710	50	16.96	16.96	0.	5.	0.00	0.01	16.96	16.96	0.	3.	0.00	0.01
9711	50	16.96	16.96	1788.	6.	0.03	0.12	16.96	16.96	0.	3.	0.01	0.04
9712	50	16.96	16.96	5051.	7.	0.11	0.34	16.96	16.96	0.	3.	0.00	0.01
9713	50	16.96	16.96	3878.	4.	0.12	0.37	16.96	16.96	119.	3.	0.01	0.04
9714	50	16.96	16.96	10659.	11.	0.23	0.71	16.96	16.96	7137.	-1.	0.20	0.58
9715	50	16.96	16.96	3424.	13.	0.14	0.39	16.96	16.96	6869.	2.	0.18	0.54
9716	50	16.96	16.96	4177.	3.	0.15	0.44	16.96	16.96	1847.	2.	0.07	0.21
9717	50	16.96	16.96	5045.	3.	0.14	0.40	16.96	16.96	0.	1.	0.00	0.00
9718	50	16.96	16.96	5895.	4.	0.17	0.50	16.96	16.96	0.	1.	0.00	0.01
9719	50	16.96	16.96	5665.	-3.	0.19	0.55	16.96	16.96	5000.	7.	0.14	0.41
9720	50	16.96	16.96	5790.	-2.	0.20	0.56	16.96	16.96	4942.	7.	0.13	0.37
9721	50	16.96	16.96	3332.	-1.	0.08	0.22	16.96	16.96	3080.	2.	0.08	0.24
9722	50	16.96	16.96	451.	0.	0.01	0.03	16.96	16.96	0.	0.	0.01	0.03
9723	50	16.96	16.96	1546.	2.	0.03	0.10	16.96	16.96	0.	0.	0.00	0.00
9724	50	16.96	16.96	1064.	3.	0.03	0.11	16.96	16.96	0.	1.	0.00	0.00
9725	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	0.	1.	0.00	0.00
9726	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	0.	1.	0.00	0.00
9727	50	16.96	16.96	1198.	2.	0.05	0.17	16.96	16.96	214.	3.	0.01	0.05
9728	50	16.96	16.96	0.	1.	0.00	0.00	16.96	16.96	0.	3.	0.00	0.01
9729	50	16.96	16.96	11613.	3.	0.44	1.22	16.96	16.96	7694.	20.	0.21	0.68

9730	50	16.96	16.96	3211.	0.	0.09	0.36	16.96	16.96	3644.	3.	0.09	0.25
9731	50	16.96	16.96	14375.	34.	0.30	0.98	16.96	16.96	6715.	5.	0.18	0.53
9732	50	16.96	16.96	13578.	32.	0.28	0.93	16.96	16.96	4578.	6.	0.14	0.41
9733	50	16.96	16.96	1564.	1.	0.10	0.28	16.96	16.96	2786.	0.	0.09	0.25
9734	50	16.96	16.96	0.	0.	0.00	0.01	16.96	16.96	1771.	1.	0.06	0.17
9735	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	0.	2.	0.00	0.00
9736	50	16.96	16.96	696.	3.	0.01	0.05	16.96	16.96	0.	3.	0.00	0.00
9737	50	16.96	16.96	2844.	2.	0.06	0.19	16.96	16.96	0.	3.	0.00	0.00
9738	50	16.96	16.96	2274.	3.	0.07	0.21	16.96	16.96	0.	2.	0.00	0.00
9739	50	16.96	16.96	11934.	12.	0.26	0.79	16.96	16.96	7609.	1.	0.21	0.59
9740	50	16.96	16.96	3280.	13.	0.09	0.26	16.96	16.96	6040.	7.	0.18	0.55
9741	50	16.96	16.96	227.	-2.	0.01	0.01	16.96	16.96	2584.	2.	0.06	0.17
9742	50	16.96	16.96	3249.	-1.	0.07	0.21	16.96	16.96	3270.	0.	0.09	0.26
9743	50	16.96	16.96	0.	1.	0.00	0.00	16.96	16.96	0.	-1.	0.00	0.00
9744	50	16.96	16.96	2889.	3.	0.06	0.19	16.96	16.96	0.	1.	0.00	0.00
9745	50	16.96	16.96	1740.	5.	0.05	0.18	16.96	16.96	0.	2.	0.00	0.00
9746	50	16.96	16.96	0.	5.	0.00	0.04	16.96	16.96	0.	2.	0.00	0.00
9747	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	0.	1.	0.00	0.00
9748	50	16.96	16.96	809.	1.	0.02	0.06	16.96	16.96	526.	3.	0.02	0.06
9749	50	16.96	16.96	9167.	7.	0.21	0.62	16.96	16.96	820.	1.	0.02	0.05
9750	50	16.96	16.96	9694.	-6.	0.40	1.10	16.96	16.96	6491.	21.	0.18	0.63
9751	50	16.96	16.96	7262.	7.	0.16	0.48	16.96	16.96	7567.	22.	0.16	0.57
9752	50	16.96	16.96	0.	-1.	0.02	0.05	16.96	16.96	1355.	1.	0.04	0.13
9753	50	16.96	16.96	1503.	1.	0.06	0.17	16.96	16.96	0.	0.	0.00	0.01
9754	50	16.96	16.96	0.	-1.	0.01	0.03	16.96	16.96	0.	0.	0.01	0.03
9755	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	0.	1.	0.00	0.00
9756	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	0.	1.	0.00	0.00
9757	50	16.96	16.96	1427.	3.	0.03	0.10	16.96	16.96	0.	2.	0.01	0.03
9758	50	16.96	16.96	4351.	6.	0.09	0.29	16.96	16.96	0.	2.	0.00	0.02
9759	50	16.96	16.96	1404.	3.	0.06	0.21	16.96	16.96	0.	3.	0.00	0.01
9760	50	16.96	16.96	2667.	2.	0.06	0.18	16.96	16.96	1596.	-5.	0.05	0.14
9761	50	16.96	16.96	2034.	-4.	0.09	0.25	16.96	16.96	2665.	3.	0.08	0.28
9762	50	16.96	16.96	193.	-2.	0.00	0.01	16.96	16.96	2704.	2.	0.06	0.18
9763	50	16.96	16.96	2436.	-1.	0.06	0.16	16.96	16.96	0.	0.	0.01	0.02
9764	50	16.96	16.96	504.	1.	0.01	0.03	16.96	16.96	0.	0.	0.00	0.01
9765	50	16.96	16.96	3743.	0.	0.09	0.24	16.96	16.96	2673.	5.	0.07	0.22
9766	50	16.96	16.96	1818.	6.	0.09	0.29	16.96	16.96	2209.	5.	0.07	0.22
9767	50	16.96	16.96	0.	5.	0.00	0.03	16.96	16.96	961.	3.	0.04	0.13
9768	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	38.	2.	0.01	0.04
9769	50	16.96	16.96	1447.	0.	0.03	0.09	16.96	16.96	2704.	4.	0.07	0.22
9770	50	16.96	16.96	8449.	7.	0.30	0.84	16.96	16.96	937.	5.	0.03	0.11
9771	50	16.96	16.96	1102.	0.	0.03	0.07	16.96	16.96	386.	1.	0.02	0.07
9772	50	16.96	16.96	5621.	-8.	0.19	0.52	16.96	16.96	4726.	10.	0.11	0.36
9773	50	16.96	16.96	0.	0.	0.01	0.04	16.96	16.96	1432.	3.	0.04	0.14
9774	50	16.96	16.96	710.	1.	0.02	0.07	16.96	16.96	0.	0.	0.00	0.00
9775	50	16.96	16.96	0.	-1.	0.00	0.00	16.96	16.96	0.	0.	0.00	0.00
9776	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	87.	2.	0.00	0.02
9777	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	1048.	2.	0.02	0.07
9778	50	16.96	16.96	1141.	5.	0.02	0.08	16.96	16.96	2942.	3.	0.06	0.20
9779	50	16.96	16.96	6163.	6.	0.13	0.41	16.96	16.96	3501.	4.	0.10	0.30
9780	50	16.96	16.96	1185.	-1.	0.08	0.23	16.96	16.96	3832.	7.	0.10	0.32
9781	50	16.96	16.96	5983.	-5.	0.18	0.52	16.96	16.96	5141.	11.	0.13	0.41
9782	50	16.96	16.96	2166.	-2.	0.08	0.24	16.96	16.96	2757.	5.	0.09	0.29
9783	50	16.96	16.96	1121.	1.	0.02	0.07	16.96	16.96	0.	0.	0.00	0.00
9784	50	16.96	16.96	465.	0.	0.01	0.03	16.96	16.96	2169.	4.	0.04	0.15
9785	50	16.96	16.96	3859.	-2.	0.09	0.25	16.96	16.96	2323.	1.	0.07	0.19
9786	50	16.96	16.96	2050.	5.	0.10	0.30	16.96	16.96	2120.	0.	0.07	0.19
9787	50	16.96	16.96	0.	4.	0.00	0.03	16.96	16.96	926.	4.	0.04	0.12
9788	50	16.96	16.96	0.	3.	0.00	0.01	16.96	16.96	119.	4.	0.01	0.04
9789	50	16.96	16.96	5516.	1.	0.18	0.53	16.96	16.96	3210.	-1.	0.08	0.24
9790	50	16.96	16.96	5929.	7.	0.13	0.40	16.96	16.96	2144.	3.	0.05	0.14
9791	50	16.96	16.96	800.	1.	0.02	0.06	16.96	16.96	0.	1.	0.00	0.00
9792	50	16.96	16.96	14298.	41.	0.30	0.98	16.96	16.96	3562.	7.	0.12	0.36
9793	50	16.96	16.96	13452.	42.	0.27	0.93	16.96	16.96	4260.	5.	0.12	0.35
9794	50	16.96	16.96	1180.	1.	0.05	0.16	16.96	16.96	0.	0.	0.00	0.00
9795	50	16.96	16.96	0.	0.	0.00	0.01	16.96	16.96	0.	0.	0.00	0.00
9796	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	155.	5.	0.00	0.02
9797	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	1106.	5.	0.02	0.08
9798	50	16.96	16.96	1263.	6.	0.02	0.09	16.96	16.96	2883.	5.	0.07	0.21
9799	50	16.96	16.96	6392.	7.	0.14	0.42	16.96	16.96	3178.	5.	0.09	0.29
9800	50	16.96	16.96	1325.	1.	0.08	0.24	16.96	16.96	3444.	6.	0.09	0.29
9801	50	16.96	16.96	2124.	1.	0.05	0.14	16.96	16.96	0.	0.	0.00	0.00
9802	50	16.96	16.96	235.	0.	0.01	0.02	16.96	16.96	1885.	1.	0.04	0.12
9803	50	16.96	16.96	3041.	0.	0.07	0.20	16.96	16.96	0.	-2.	0.00	0.01
9804	50	16.96	16.96	1948.	3.	0.07	0.21	16.96	16.96	0.	-1.	0.00	0.00
9805	50	16.96	16.96	0.	2.	0.01	0.04	16.96	16.96	0.	0.	0.00	0.01
9806	50	16.96	16.96	0.	2.	0.00	0.00	16.96	16.96	0.	1.	0.00	0.00
9807	50	16.96	16.96	7232.	1.	0.22	0.64	16.96	16.96	7237.	0.	0.18	0.52
9808	50	16.96	16.96	11361.	0.	0.26	0.74	16.96	16.96	6425.	0.	0.20	0.56
9809	50	16.96	16.96	1311.	1.	0.08	0.24	16.96	16.96	2052.	2.	0.07	0.21
9810	50	16.96	16.96	0.	0.	0.00	0.00	16.96	16.96	958.	2.	0.04	0.13
9811	50	16.96	16.96	0.	3.	0.00	0.00	16.96	16.96	0.	2.	0.00	0.00
9812	50	16.96	16.96	0.	3.	0.00	0.00	16.96	16.96	0.	2.	0.00	0.00
9813	50	16.96	16.96	1385.	6.	0.02	0.10	16.96	16.96	0.	2.	0.00	0.03
9814	50	16.96	16.96	4262.	8.	0.09	0.31	16.96	16.96	0.	3.	0.00	0.02
9815	50	16.96	16.96	1393.	5.	0.06	0.20	16.96	16.96	0.	0.	0.00	0.02
9816	50	16.96	16.96	245.	-1.	0.01	0.02	16.96	16.96	0.	0.	0.00	0.01
9817	50	16.96	16.96	3264.	1.	0.07	0.21	16.96	16.96	2671.	2.	0.07	0.22
9818	50	16.96	16.96	396.	1.	0.01	0.03	16.96	16.96	0.	-2.	0.01	0.02
9819	50	16.96	16.96	2791.	3.	0.08	0.25	16.96	16.96	0.	-1.	0.00	0.00
9820	50	16.96	16.96	2287.	1.	0.08	0.24	16.96	16.96	0.	0.	0.00	0.00
9821	50	16.96	16.96	0.	1.	0.02	0.05	16.96	16.96	0.	2.	0.00	0.00
9822	50	16.96	16.96	0.	2.	0.00	0.00	16.96	16.96	0.	4.	0.00	0.01
9823	50	16.96	16.96	1552.	0.	0.04	0.10	16.96	16.96	2536.	-1.	0.07	0.21
9824	50	16.96	16.96	1421.	0.	0.08	0.24	16.96	16.96	2482.	1.	0.08	0.23

9825	50	16.96	16.96	0.	-1.	0.01	0.01	16.96	16.96	1434.	1.	0.05	0.16
9826	50	16.96	16.96	0.	3.	0.00	0.00	16.96	16.96	0.	4.	0.00	0.01
9827	50	16.96	16.96	698.	6.	0.01	0.06	16.96	16.96	0.	2.	0.00	0.00
9828	50	16.96	16.96	2966.	7.	0.06	0.21	16.96	16.96	0.	1.	0.00	0.00
9829	50	16.96	16.96	2561.	8.	0.07	0.24	16.96	16.96	0.	1.	0.00	0.00
9830	50	16.96	16.96	5826.	3.	0.17	0.50	16.96	16.96	0.	2.	0.00	0.02
9831	50	16.96	16.96	2774.	1.	0.10	0.28	16.96	16.96	349.	-1.	0.02	0.05
9832	50	16.96	16.96	0.	0.	0.04	0.10	16.96	16.96	0.	-1.	0.00	0.01
9833	50	16.96	16.96	62.	-2.	0.00	0.00	16.96	16.96	2271.	2.	0.05	0.15
9834	50	16.96	16.96	3089.	0.	0.07	0.20	16.96	16.96	2769.	1.	0.08	0.23
9835	50	16.96	16.96	878.	2.	0.02	0.06	16.96	16.96	0.	-1.	0.00	0.00
9836	50	16.96	16.96	6523.	5.	0.15	0.46	16.96	16.96	2120.	4.	0.07	0.21
9837	50	16.96	16.96	3517.	1.	0.16	0.46	16.96	16.96	2229.	4.	0.06	0.20
9838	50	16.96	16.96	0.	1.	0.02	0.09	16.96	16.96	2359.	7.	0.07	0.22
9839	50	16.96	16.96	0.	3.	0.00	0.00	16.96	16.96	894.	7.	0.03	0.12
9840	50	16.96	16.96	1130.	0.	0.03	0.07	16.96	16.96	625.	0.	0.02	0.06
9841	50	16.96	16.96	1386.	-2.	0.05	0.15	16.96	16.96	0.	0.	0.01	0.03
9842	50	16.96	16.96	0.	-2.	0.01	0.03	16.96	16.96	0.	0.	0.01	0.04
9843	50	16.96	16.96	0.	3.	0.00	0.01	16.96	16.96	355.	5.	0.01	0.07
9844	50	16.96	16.96	0.	3.	0.00	0.01	16.96	16.96	809.	3.	0.02	0.07
9845	50	16.96	16.96	2257.	6.	0.04	0.16	16.96	16.96	503.	1.	0.03	0.10
9846	50	16.96	16.96	5459.	5.	0.14	0.42	16.96	16.96	0.	1.	0.01	0.03
9847	50	16.96	16.96	4440.	8.	0.14	0.40	16.96	16.96	406.	0.	0.02	0.05
9848	50	16.96	16.96	6016.	-2.	0.20	0.57	16.96	16.96	4941.	7.	0.15	0.45
9849	50	16.96	16.96	2307.	-2.	0.09	0.26	16.96	16.96	2852.	2.	0.09	0.28
9850	50	16.96	16.96	0.	0.	0.02	0.07	16.96	16.96	1250.	0.	0.05	0.14
9851	50	16.96	16.96	0.	-3.	0.00	0.00	16.96	16.96	2348.	1.	0.05	0.15
9852	50	16.96	16.96	1953.	0.	0.04	0.13	16.96	16.96	0.	0.	0.00	0.01
9853	50	16.96	16.96	1438.	1.	0.03	0.09	16.96	16.96	2636.	4.	0.07	0.21
9854	50	16.96	16.96	8477.	6.	0.19	0.56	16.96	16.96	8998.	5.	0.22	0.64
9855	50	16.96	16.96	2681.	2.	0.18	0.53	16.96	16.96	7624.	6.	0.22	0.64
9856	50	16.96	16.96	0.	4.	0.01	0.05	16.96	16.96	4685.	10.	0.15	0.46
9857	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	2147.	5.	0.07	0.26
9858	50	16.96	16.96	48.	0.	0.01	0.02	16.96	16.96	0.	0.	0.00	0.00
9859	50	16.96	16.96	665.	-1.	0.02	0.07	16.96	16.96	0.	0.	0.00	0.00
9860	50	16.96	16.96	0.	-3.	0.00	0.00	16.96	16.96	0.	0.	0.00	0.00
9861	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	1517.	2.	0.04	0.12
9862	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	3028.	2.	0.07	0.20
9863	50	16.96	16.96	2471.	8.	0.05	0.17	16.96	16.96	4503.	4.	0.11	0.32
9864	50	16.96	16.96	8524.	6.	0.19	0.56	16.96	16.96	4645.	3.	0.15	0.44
9865	50	16.96	16.96	4185.	5.	0.17	0.50	16.96	16.96	4600.	5.	0.12	0.36
9866	50	16.96	16.96	5644.	-2.	0.20	0.56	16.96	16.96	4959.	8.	0.14	0.42
9867	50	16.96	16.96	2119.	0.	0.09	0.26	16.96	16.96	2863.	4.	0.09	0.28
9868	50	16.96	16.96	0.	0.	0.02	0.07	16.96	16.96	1364.	2.	0.05	0.15
9869	50	16.96	16.96	1051.	-1.	0.02	0.07	16.96	16.96	0.	0.	0.00	0.00
9870	50	16.96	16.96	874.	0.	0.02	0.06	16.96	16.96	7202.	7.	0.16	0.48
9871	50	16.96	16.96	898.	5.	0.05	0.17	16.96	16.96	4326.	8.	0.15	0.50
9872	50	16.96	16.96	0.	5.	0.00	0.02	16.96	16.96	2538.	2.	0.08	0.25
9873	50	16.96	16.96	796.	1.	0.05	0.18	16.96	16.96	1866.	3.	0.08	0.25
9874	50	16.96	16.96	0.	0.	0.00	0.00	16.96	16.96	0.	0.	0.00	0.00
9875	50	16.96	16.96	1309.	-1.	0.06	0.16	16.96	16.96	69.	0.	0.01	0.03
9876	50	16.96	16.96	0.	-3.	0.01	0.02	16.96	16.96	253.	1.	0.02	0.06
9877	50	16.96	16.96	3049.	0.	0.07	0.20	16.96	16.96	4524.	5.	0.15	0.50
9878	50	16.96	16.96	1860.	8.	0.03	0.13	16.96	16.96	3256.	5.	0.08	0.24
9879	50	16.96	16.96	8507.	8.	0.19	0.56	16.96	16.96	4458.	5.	0.13	0.39
9880	50	16.96	16.96	4686.	5.	0.19	0.54	16.96	16.96	4225.	4.	0.12	0.37
9881	50	16.96	16.96	2025.	0.	0.05	0.15	16.96	16.96	0.	0.	0.00	0.01
9882	50	16.96	16.96	648.	1.	0.05	0.17	16.96	16.96	1691.	3.	0.08	0.23
9883	50	16.96	16.96	0.	1.	0.00	0.00	16.96	16.96	0.	0.	0.00	0.00
9884	50	16.96	16.96	1647.	0.	0.09	0.24	16.96	16.96	2444.	1.	0.08	0.22
9885	50	16.96	16.96	0.	-2.	0.01	0.02	16.96	16.96	2378.	2.	0.07	0.21
9886	50	16.96	16.96	2236.	7.	0.04	0.15	16.96	16.96	0.	2.	0.00	0.00
9887	50	16.96	16.96	6033.	7.	0.13	0.40	16.96	16.96	0.	2.	0.00	0.00
9888	50	16.96	16.96	4928.	5.	0.15	0.44	16.96	16.96	0.	1.	0.01	0.03
9889	50	16.96	16.96	3530.	2.	0.08	0.23	16.96	16.96	2586.	2.	0.07	0.22
9890	50	16.96	16.96	456.	1.	0.02	0.05	16.96	16.96	0.	-1.	0.01	0.02
9891	50	16.96	16.96	1474.	0.	0.09	0.26	16.96	16.96	3325.	5.	0.09	0.30
9892	50	16.96	16.96	0.	-2.	0.00	0.01	16.96	16.96	1431.	1.	0.06	0.19
9893	50	16.96	16.96	1629.	5.	0.03	0.11	16.96	16.96	0.	2.	0.00	0.00
9894	50	16.96	16.96	4090.	4.	0.09	0.27	16.96	16.96	0.	1.	0.00	0.00
9895	50	16.96	16.96	3273.	2.	0.09	0.28	16.96	16.96	0.	1.	0.00	0.00
9896	50	16.96	16.96	0.	-5.	0.00	0.01	16.96	16.96	2474.	3.	0.06	0.18
9897	50	16.96	16.96	3648.	2.	0.08	0.24	16.96	16.96	3961.	8.	0.10	0.33
9898	50	16.96	16.96	1577.	2.	0.06	0.18	16.96	16.96	1018.	3.	0.04	0.14
9899	50	16.96	16.96	0.	3.	0.01	0.06	16.96	16.96	313.	2.	0.02	0.09
9900	50	16.96	16.96	1257.	1.	0.03	0.09	16.96	16.96	1952.	-2.	0.06	0.17
9901	50	16.96	16.96	1769.	-7.	0.08	0.22	16.96	16.96	2628.	4.	0.08	0.28
9902	50	16.96	16.96	0.	-4.	0.03	0.08	16.96	16.96	1627.	3.	0.04	0.13
9903	50	16.96	16.96	2109.	0.	0.08	0.22	16.96	16.96	357.	1.	0.02	0.06
9904	50	16.96	16.96	3321.	-3.	0.08	0.21	16.96	16.96	0.	2.	0.04	0.14
9905	50	16.96	16.96	2087.	3.	0.04	0.14	16.96	16.96	0.	1.	0.01	0.03
9906	50	16.96	16.96	5950.	3.	0.13	0.39	16.96	16.96	0.	1.	0.01	0.04
9907	50	16.96	16.96	3232.	3.	0.11	0.35	16.96	16.96	139.	1.	0.01	0.06
9908	50	16.96	16.96	5009.	-12.	0.18	0.51	16.96	16.96	4859.	15.	0.11	0.38
9909	50	16.96	16.96	378.	-2.	0.02	0.06	16.96	16.96	3244.	8.	0.06	0.22
9910	50	16.96	16.96	545.	2.	0.06	0.18	16.96	16.96	7970.	7.	0.26	0.76
9911	50	16.96	16.96	13343.	51.	0.26	0.93	16.96	16.96	4081.	9.	0.11	0.32
9912	50	16.96	16.96	5766.	-11.	0.19	0.53	16.96	16.96	6912.	15.	0.15	0.49
9913	50	16.96	16.96	2554.	-5.	0.09	0.26	16.96	16.96	4111.	6.	0.13	0.41
9914	50	16.96	16.96	823.	-2.	0.05	0.13	16.96	16.96	1981.	5.	0.07	0.22
9915	50	16.96	16.96	2464.	2.	0.08	0.24	16.96	16.96	0.	4.	0.00	0.01
9916	50	16.96	16.96	0.	1.	0.00	0.00	16.96	16.96	1879.	2.	0.05	0.15
9917	50	16.96	16.96	1333.	3.	0.03	0.09	16.96	16.96	4203.	4.	0.10	0.30
9918	50	16.96	16.96	8103.	4.	0.18	0.53	16.96	16.96	5564.	6.	0.15	0.46
9919	50	16.96	16.96	3212.	3.	0.15	0.44	16.96	16.96	5915.	6.	0.17	0.49

9920	50	16.96	16.96	0.	-4.	0.00	0.00	16.96	16.96	4125.	3.	0.11	0.32
9921	50	16.96	16.96	0.	1.	0.00	0.00	16.96	16.96	2141.	5.	0.05	0.18
9922	50	16.96	16.96	12957.	53.	0.25	0.91	16.96	16.96	6112.	7.	0.15	0.45
9923	50	16.96	16.96	4296.	5.	0.13	0.41	16.96	16.96	0.	5.	0.02	0.08
9924	50	16.96	16.96	182.	-4.	0.04	0.13	16.96	16.96	3911.	5.	0.13	0.39
9925	50	16.96	16.96	0.	-3.	0.00	0.00	16.96	16.96	4300.	3.	0.12	0.35
9926	50	16.96	16.96	0.	1.	0.00	0.00	16.96	16.96	3260.	4.	0.07	0.22
9927	50	16.96	16.96	2012.	3.	0.04	0.13	16.96	16.96	5177.	4.	0.12	0.37
9928	50	16.96	16.96	8186.	3.	0.18	0.54	16.96	16.96	5474.	5.	0.17	0.49
9929	50	16.96	16.96	2591.	5.	0.14	0.41	16.96	16.96	5569.	5.	0.15	0.45
9930	50	16.96	16.96	7673.	39.	0.16	0.55	16.96	16.96	1433.	3.	0.06	0.18
9931	50	16.96	16.96	4073.	9.	0.18	0.56	16.96	16.96	6123.	10.	0.18	0.55
9932	50	16.96	16.96	455.	-4.	0.06	0.18	16.96	16.96	5918.	3.	0.16	0.48
9933	50	16.96	16.96	899.	1.	0.02	0.06	16.96	16.96	1802.	0.	0.05	0.13
9934	50	16.96	16.96	2536.	6.	0.06	0.20	16.96	16.96	682.	4.	0.02	0.09
9935	50	16.96	16.96	4944.	10.	0.19	0.57	16.96	16.96	7407.	8.	0.18	0.55
9936	50	16.96	16.96	0.	1.	0.00	0.00	16.96	16.96	970.	3.	0.03	0.09
9937	50	16.96	16.96	2091.	1.	0.05	0.14	16.96	16.96	1106.	2.	0.05	0.14
9938	50	16.96	16.96	5624.	5.	0.14	0.41	16.96	16.96	405.	1.	0.03	0.10
9939	50	16.96	16.96	2764.	6.	0.10	0.31	16.96	16.96	0.	1.	0.01	0.06
9940	50	16.96	16.96	2066.	1.	0.05	0.16	16.96	16.96	2066.	0.	0.06	0.16
9941	50	16.96	16.96	4422.	7.	0.14	0.44	16.96	16.96	1098.	2.	0.04	0.12
9942	50	16.96	16.96	955.	0.	0.06	0.18	16.96	16.96	2940.	0.	0.08	0.22
9943	50	16.96	16.96	2765.	3.	0.07	0.22	16.96	16.96	0.	3.	0.00	0.00
9944	50	16.96	16.96	412.	2.	0.03	0.08	16.96	16.96	22.	3.	0.00	0.02
9945	50	16.96	16.96	522.	0.	0.01	0.03	16.96	16.96	0.	0.	0.00	0.00
9946	50	16.96	16.96	772.	0.	0.03	0.07	16.96	16.96	0.	0.	0.00	0.00
9947	50	16.96	16.96	460.	3.	0.01	0.05	16.96	16.96	413.	4.	0.02	0.06
9948	50	16.96	16.96	3197.	9.	0.14	0.43	16.96	16.96	937.	5.	0.04	0.13
9949	50	16.96	16.96	112.	6.	0.00	0.05	16.96	16.96	459.	6.	0.01	0.04
9950	50	16.96	16.96	1861.	1.	0.05	0.13	16.96	16.96	0.	1.	0.00	0.00
9951	50	16.96	16.96	3325.	2.	0.07	0.22	16.96	16.96	0.	2.	0.00	0.00
9952	50	16.96	16.96	0.	2.	0.00	0.00	16.96	16.96	0.	2.	0.00	0.01
9953	50	16.96	16.96	0.	2.	0.00	0.00	16.96	16.96	0.	2.	0.00	0.00
9954	50	16.96	16.96	809.	2.	0.02	0.06	16.96	16.96	0.	1.	0.00	0.00
9955	50	16.96	16.96	3506.	5.	0.07	0.24	16.96	16.96	0.	1.	0.00	0.00
9956	50	16.96	16.96	2944.	7.	0.08	0.25	16.96	16.96	0.	0.	0.00	0.00
9957	50	16.96	16.96	1074.	1.	0.03	0.11	16.96	16.96	0.	0.	0.00	0.00
9958	50	16.96	16.96	6773.	42.	0.12	0.50	16.96	16.96	1296.	4.	0.05	0.16
9959	50	16.96	16.96	1811.	5.	0.07	0.23	16.96	16.96	0.	0.	0.00	0.00
9960	50	16.96	16.96	353.	2.	0.02	0.07	16.96	16.96	0.	-2.	0.00	0.00
9961	50	16.96	16.96	1892.	5.	0.07	0.23	16.96	16.96	0.	4.	0.00	0.01
9962	50	16.96	16.96	0.	4.	0.00	0.03	16.96	16.96	0.	3.	0.00	0.00
9963	50	16.96	16.96	0.	3.	0.00	0.00	16.96	16.96	0.	2.	0.00	0.00
9964	50	16.96	16.96	0.	3.	0.00	0.00	16.96	16.96	0.	1.	0.00	0.00
9965	50	16.96	16.96	0.	0.	0.00	0.00	16.96	16.96	0.	0.	0.00	0.00
9966	50	16.96	16.96	0.	0.	0.00	0.00	16.96	16.96	0.	0.	0.00	0.00
9967	50	16.96	16.96	830.	1.	0.02	0.06	16.96	16.96	0.	2.	0.00	0.00
9968	50	16.96	16.96	3207.	2.	0.07	0.21	16.96	16.96	0.	3.	0.00	0.00
9969	50	16.96	16.96	0.	2.	0.00	0.00	16.96	16.96	153.	1.	0.00	0.01
9970	50	16.96	16.96	1968.	3.	0.04	0.13	16.96	16.96	0.	1.	0.01	0.04
9971	50	16.96	16.96	5381.	3.	0.13	0.40	16.96	16.96	0.	1.	0.00	0.00
9972	50	16.96	16.96	4476.	6.	0.14	0.40	16.96	16.96	0.	0.	0.00	0.02
9973	50	16.96	16.96	1895.	1.	0.06	0.18	16.96	16.96	5108.	7.	0.16	0.47
9974	50	16.96	16.96	1366.	2.	0.06	0.19	16.96	16.96	929.	1.	0.03	0.08
9975	50	16.96	16.96	0.	2.	0.00	0.02	16.96	16.96	727.	0.	0.02	0.07
9976	50	16.96	16.96	2127.	6.	0.10	0.32	16.96	16.96	1450.	4.	0.06	0.18
9977	50	16.96	16.96	0.	5.	0.00	0.03	16.96	16.96	560.	1.	0.03	0.11
9978	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	0.	1.	0.00	0.02
9979	50	16.96	16.96	0.	3.	0.00	0.00	16.96	16.96	224.	1.	0.00	0.02
9980	50	16.96	16.96	533.	-1.	0.05	0.15	16.96	16.96	1562.	1.	0.07	0.20
9981	50	16.96	16.96	0.	0.	0.00	0.00	16.96	16.96	0.	0.	0.00	0.00
9982	50	16.96	16.96	0.	0.	0.00	0.00	16.96	16.96	0.	0.	0.00	0.00
9983	50	16.96	16.96	1309.	0.	0.06	0.18	16.96	16.96	6810.	1.	0.18	0.50
9984	50	16.96	16.96	2737.	6.	0.06	0.19	16.96	16.96	344.	2.	0.01	0.04
9985	50	16.96	16.96	662.	0.	0.02	0.04	16.96	16.96	839.	2.	0.02	0.07
9986	50	16.96	16.96	4046.	-1.	0.09	0.26	16.96	16.96	1414.	4.	0.05	0.16
9987	50	16.96	16.96	0.	3.	0.00	0.01	16.96	16.96	1782.	3.	0.04	0.12
9988	50	16.96	16.96	2031.	3.	0.04	0.14	16.96	16.96	3586.	4.	0.09	0.26
9989	50	16.96	16.96	8171.	5.	0.18	0.54	16.96	16.96	3984.	4.	0.12	0.35
9990	50	16.96	16.96	4331.	3.	0.18	0.51	16.96	16.96	3883.	2.	0.11	0.33
9991	50	16.96	16.96	593.	5.	0.01	0.06	16.96	16.96	397.	4.	0.02	0.06
9992	50	16.96	16.96	1114.	1.	0.07	0.21	16.96	16.96	3170.	4.	0.08	0.24
9993	50	16.96	16.96	0.	0.	0.00	0.01	16.96	16.96	1300.	1.	0.06	0.18
9994	50	16.96	16.96	1598.	6.	0.09	0.30	16.96	16.96	1782.	0.	0.07	0.21
9995	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	596.	1.	0.04	0.11
9996	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	0.	1.	0.01	0.02
9997	50	16.96	16.96	0.	4.	0.00	0.01	16.96	16.96	124.	2.	0.00	0.01
9998	50	16.96	16.96	4279.	4.	0.18	0.51	16.96	16.96	4729.	5.	0.13	0.38
9999	50	16.96	16.96	805.	-1.	0.06	0.17	16.96	16.96	1814.	3.	0.08	0.26
10000	50	16.96	16.96	0.	0.	0.01	0.03	16.96	16.96	0.	0.	0.00	0.00

********** TAGLIO PERPENDICOLARE

GUSCI	τx	τy	τt	GUSCI	τx	τy	τt	GUSCI	τx	τy	τt
9386	0.1	0.1	0.1	9387	0.2	0.1	0.1	9388	0.2	0.1	0.2
9389	0.2	0.2	0.2	9390	0.2	0.1	0.2	9391	0.0	0.1	0.1
9392	0.3	0.2	0.3	9393	0.1	0.1	0.1	9394	0.2	0.2	0.3
9395	0.2	0.2	0.2	9396	0.2	0.1	0.2	9397	0.3	0.3	0.4
9398	0.6	0.5	0.6	9399	0.4	0.2	0.4	9400	0.8	0.5	0.8
9401	0.4	0.4	0.5	9402	0.3	0.1	0.3	9403	0.4	0.2	0.4
9404	0.1	0.1	0.1	9405	0.4	0.3	0.4	9406	0.6	0.5	0.7
9407	0.3	0.2	0.3	9408	0.1	0.1	0.1	9409	0.5	0.4	0.5
9410	0.7	0.6	0.8	9411	0.3	0.2	0.3	9412	0.5	0.5	0.6
9413	0.3	0.1	0.2	9414	0.6	0.6	0.6	9415	1.9	2.0	1.9

9416	1.9	2.0	1.9	9417	0.4	0.2	0.4	9418	0.8	0.6	0.9
9419	2.4	2.7	2.5	9420	0.7	0.7	0.8	9421	0.3	0.1	0.2
9422	0.9	0.8	0.9	9423	0.4	0.3	0.4	9424	0.1	0.1	0.1
9425	1.8	2.0	1.9	9426	0.5	0.5	0.6	9427	0.5	0.6	0.7
9428	0.4	0.3	0.4	9429	0.2	0.2	0.2	9430	0.0	0.1	0.1
9431	2.4	2.6	2.5	9432	0.5	0.7	0.7	9433	2.1	2.3	2.2
9434	2.1	2.2	2.1	9435	0.3	0.2	0.3	9436	0.6	0.5	0.7
9437	1.9	1.9	1.9	9438	0.3	0.1	0.2	9439	0.5	0.4	0.5
9440	2.1	1.9	2.0	9441	2.0	1.9	1.9	9442	0.2	0.2	0.3
9443	0.4	0.4	0.5	9444	2.6	2.6	2.6	9445	0.7	0.6	0.7
9446	0.4	0.1	0.3	9447	0.6	0.6	0.7	9448	1.9	1.9	1.9
9449	2.0	1.9	1.9	9450	0.5	0.5	0.6	9451	0.5	0.4	0.6
9452	0.3	0.1	0.2	9453	0.3	0.0	0.2	9454	0.2	0.0	0.1
9455	0.7	0.8	0.8	9456	2.6	2.5	2.5	9457	0.6	0.5	0.6
9458	2.3	2.1	2.2	9459	2.3	2.1	2.2	9460	0.2	0.2	0.2
9461	0.3	0.4	0.4	9462	0.6	0.6	0.7	9463	0.3	0.1	0.2
9464	0.3	0.3	0.3	9465	0.5	0.4	0.6	9466	0.5	0.4	0.6
9467	0.2	0.1	0.2	9468	0.2	0.1	0.2	9469	0.3	0.1	0.3
9470	0.3	0.2	0.2	9471	0.7	0.4	0.8	9472	0.6	0.3	0.5
9473	0.5	0.5	0.6	9474	0.5	0.3	0.5	9475	0.6	0.4	0.6
9476	0.4	0.3	0.4	9477	0.3	0.3	0.4	9478	0.5	0.4	0.5
9479	0.6	0.6	0.7	9480	0.3	0.3	0.4	9481	0.2	0.1	0.2
9482	0.7	0.6	0.8	9483	0.8	0.4	0.8	9484	0.3	0.1	0.2
9485	0.0	0.1	0.1	9486	0.2	0.1	0.2	9487	0.4	0.4	0.5
9488	0.6	0.7	0.8	9489	0.6	0.5	0.6	9490	0.3	0.1	0.3
9491	0.4	0.4	0.4	9492	0.5	0.8	0.6	9493	0.3	0.2	0.3
9494	0.3	0.3	0.3	9495	2.1	2.0	2.0	9496	1.9	2.1	2.0
9497	0.5	0.5	0.6	9498	0.3	0.2	0.3	9499	0.1	0.1	0.1
9500	0.4	0.2	0.4	9501	0.7	0.5	0.8	9502	2.1	2.3	2.1
9503	2.4	2.1	2.3	9504	0.1	0.0	0.1	9505	0.2	0.0	0.1
9506	0.1	0.1	0.1	9507	0.0	0.2	0.2	9508	0.3	0.6	0.5
9509	1.1	1.3	1.2	9510	4.0	3.2	3.5	9511	0.7	0.5	0.7
9512	0.5	0.4	0.5	9513	2.1	1.9	1.9	9514	2.0	2.0	2.0
9515	0.6	0.5	0.7	9516	0.3	0.2	0.3	9517	0.2	0.4	0.3
9518	0.8	1.1	1.1	9519	0.9	1.5	1.1	9520	0.6	0.5	0.6
9521	0.4	0.3	0.3	9522	0.1	0.0	0.1	9523	0.3	0.3	0.3
9524	0.5	0.5	0.6	9525	0.6	0.5	0.6	9526	0.4	0.3	0.4
9527	0.1	0.1	0.1	9528	0.4	0.2	0.4	9529	0.8	0.6	0.9
9530	2.2	2.2	2.2	9531	2.3	2.1	2.2	9532	0.0	0.1	0.1
9533	0.1	0.2	0.2	9534	0.1	0.0	0.1	9535	0.1	0.0	0.1
9536	0.1	0.1	0.1	9537	0.1	0.3	0.3	9538	0.4	1.2	1.0
9539	0.1	0.1	0.1	9540	9.2	7.6	8.0	9541	4.8	2.1	4.4
9542	1.3	0.4	1.3	9543	0.3	0.5	0.5	9544	0.2	0.3	0.2
9545	0.4	0.4	0.5	9546	0.2	0.0	0.2	9547	0.3	0.3	0.4
9548	0.6	0.5	0.6	9549	0.5	0.4	0.6	9550	0.5	0.6	0.7
9551	0.4	0.3	0.4	9552	0.2	0.2	0.2	9553	0.0	0.4	0.4
9554	0.4	1.0	0.8	9555	1.2	1.1	1.4	9556	1.6	1.6	1.6
9557	0.4	0.5	0.6	9558	0.2	0.1	0.2	9559	0.5	0.6	0.6
9560	1.8	1.9	1.8	9561	1.8	1.8	1.8	9562	0.4	0.6	0.6
9563	0.5	0.5	0.5	9564	0.0	0.1	0.1	9565	0.2	0.2	0.2
9566	0.4	0.4	0.5	9567	0.5	0.7	0.7	9568	0.5	0.5	0.6
9569	0.2	0.5	0.4	9570	0.1	0.2	0.1	9571	0.2	0.3	0.3
9572	8.9	6.7	7.4	9573	4.7	5.3	4.7	9574	1.4	0.8	1.4
9575	0.5	0.6	0.6	9576	1.6	1.7	1.6	9577	0.2	0.1	0.2
9578	0.5	0.6	0.6	9579	1.7	1.9	1.8	9580	0.4	0.3	0.4
9581	0.3	0.1	0.2	9582	0.3	0.1	0.2	9583	0.3	0.0	0.2
9584	0.2	0.0	0.1	9585	0.8	0.6	0.8	9586	1.8	1.6	1.6
9587	0.4	0.4	0.4	9588	0.2	0.1	0.2	9589	0.4	0.4	0.5
9590	1.9	1.8	1.8	9591	1.9	1.7	1.8	9592	0.4	0.4	0.5
9593	1.8	1.8	1.8	9594	0.5	0.5	0.6	9595	0.2	0.1	0.2
9596	0.3	0.1	0.3	9597	0.3	0.1	0.2	9598	0.4	0.1	0.3
9599	0.0	0.1	0.1	9600	1.1	0.5	1.0	9601	0.6	0.9	0.8
9602	0.5	0.5	0.6	9603	1.8	1.5	1.7	9604	0.2	0.1	0.1
9605	0.4	0.4	0.5	9606	1.9	1.8	1.8	9607	0.3	0.1	0.2
9608	0.5	0.4	0.5	9609	0.6	0.6	0.7	9610	0.3	0.3	0.4
9611	0.2	0.2	0.2	9612	0.3	0.5	0.5	9613	0.6	0.8	0.8
9614	1.1	0.6	1.1	9615	0.3	0.4	0.4	9616	0.2	0.2	0.2
9617	0.1	0.1	0.1	9618	0.2	0.3	0.3	9619	0.3	0.4	0.4
9620	0.4	0.4	0.4	9621	0.2	0.3	0.3	9622	1.9	1.7	1.8
9623	0.4	0.6	0.6	9624	0.3	0.3	0.4	9625	0.1	0.1	0.1
9626	0.2	0.2	0.3	9627	0.4	0.5	0.5	9628	0.7	0.8	0.8
9629	0.8	0.6	0.8	9630	0.1	0.2	0.2	9631	0.3	0.5	0.4
9632	0.4	0.4	0.4	9633	0.1	0.1	0.1	9634	0.2	0.3	0.3
9635	0.3	0.4	0.4	9636	0.4	0.4	0.5	9637	0.3	0.3	0.4
9638	2.1	2.0	2.0	9639	1.9	2.1	2.0	9640	0.6	0.5	0.6
9641	0.3	0.2	0.3	9642	0.2	0.2	0.2	9643	0.4	0.1	0.3
9644	1.9	0.7	1.6	9645	0.3	0.3	0.3	9646	0.3	0.2	0.3
9647	0.3	0.2	0.3	9648	0.2	0.2	0.2	9649	0.3	0.3	0.3
9650	0.3	0.2	0.3	9651	0.2	0.1	0.2	9652	0.3	0.4	0.4
9653	0.2	0.1	0.2	9654	0.3	0.1	0.2	9655	0.1	0.1	0.1
9656	0.4	0.3	0.4	9657	0.8	0.5	0.8	9658	2.4	2.7	2.5
9659	2.7	2.6	2.6	9660	1.5	0.5	1.1	9661	0.2	0.1	0.2
9662	0.3	0.3	0.3	9663	0.2	0.1	0.2	9664	0.5	0.4	0.6
9665	2.1	1.9	2.0	9666	2.0	2.0	2.0	9667	0.6	0.5	0.7
9668	0.3	0.2	0.3	9669	0.7	0.4	0.8	9670	0.2	0.1	0.1
9671	1.4	0.4	1.2	9672	0.8	0.6	0.9	9673	0.7	0.5	0.8
9674	0.5	0.5	0.6	9675	0.4	0.4	0.5	9676	0.7	0.5	0.8
9677	0.7	0.5	0.8	9678	0.4	0.4	0.5	9679	0.3	0.2	0.3
9680	0.5	0.6	0.6	9681	0.3	0.3	0.4	9682	0.1	0.1	0.1
9683	0.4	0.2	0.4	9684	0.9	0.6	0.9	9685	2.5	2.7	2.5
9686	2.7	2.6	2.6	9687	1.4	0.3	1.3	9688	0.4	0.0	0.3
9689	0.4	0.0	0.3	9690	0.4	0.4	0.5	9691	0.7	0.5	0.8
9692	0.8	0.4	0.8	9693	0.4	0.4	0.5	9694	0.5	0.5	0.6
9695	0.5	0.4	0.6	9696	0.6	0.6	0.7	9697	0.4	0.3	0.4
9698	0.2	0.2	0.2	9699	0.7	0.4	0.8	9700	0.1	0.0	0.1

9701	3.9	3.5	3.6	9702	3.8	3.4	3.4	9703	0.9	0.8	0.9
9704	0.7	0.7	0.7	9705	4.9	4.6	4.4	9706	4.6	3.9	4.0
9707	1.7	1.9	1.8	9708	0.5	0.5	0.6	9709	0.0	0.1	0.1
9710	0.2	0.2	0.3	9711	0.5	0.5	0.6	9712	0.7	0.8	0.9
9713	0.8	0.6	0.8	9714	4.7	3.7	4.3	9715	2.3	0.7	2.2
9716	0.9	0.8	0.9	9717	0.4	0.1	0.3	9718	0.8	0.7	0.7
9719	4.7	4.2	4.1	9720	5.0	4.2	4.3	9721	1.9	1.8	1.8
9722	0.3	0.3	0.4	9723	0.3	0.1	0.2	9724	0.3	0.2	0.2
9725	0.3	0.1	0.2	9726	0.2	0.1	0.1	9727	0.5	0.4	0.5
9728	0.0	0.0	0.0	9729	6.4	7.6	6.5	9730	0.4	0.5	0.6
9731	6.0	3.6	4.6	9732	6.1	3.4	4.6	9733	1.8	1.8	1.8
9734	0.6	0.5	0.7	9735	0.2	0.1	0.2	9736	0.3	0.1	0.3
9737	0.3	0.2	0.2	9738	0.3	0.1	0.3	9739	4.1	3.8	3.8
9740	2.1	0.7	2.2	9741	0.3	0.4	0.4	9742	1.9	1.7	1.8
9743	0.2	0.1	0.2	9744	0.5	0.4	0.5	9745	0.6	0.5	0.6
9746	0.3	0.3	0.4	9747	0.2	0.1	0.2	9748	0.1	0.2	0.2
9749	1.1	0.8	1.1	9750	5.5	5.4	4.9	9751	3.6	3.5	3.3
9752	0.3	0.3	0.3	9753	0.5	0.6	0.6	9754	0.4	0.3	0.4
9755	0.0	0.1	0.1	9756	0.2	0.1	0.2	9757	0.4	0.4	0.5
9758	0.6	0.7	0.7	9759	0.5	0.4	0.5	9760	0.2	0.2	0.2
9761	0.8	0.5	0.8	9762	0.4	0.4	0.4	9763	0.4	0.4	0.5
9764	0.3	0.3	0.3	9765	1.8	1.7	1.7	9766	1.7	1.8	1.8
9767	0.6	0.4	0.6	9768	0.3	0.2	0.3	9769	0.4	0.6	0.6
9770	0.8	1.2	1.0	9771	0.2	0.2	0.2	9772	4.1	3.5	3.7
9773	0.3	0.2	0.3	9774	0.2	0.1	0.2	9775	0.2	0.1	0.2
9776	0.1	0.1	0.1	9777	0.4	0.2	0.4	9778	0.8	0.5	0.8
9779	2.1	2.1	2.1	9780	2.3	1.9	2.1	9781	3.9	3.2	3.4
9782	0.7	0.4	0.7	9783	0.2	0.1	0.1	9784	0.5	0.4	0.5
9785	1.8	1.7	1.7	9786	1.7	1.8	1.7	9787	0.5	0.3	0.6
9788	0.3	0.1	0.3	9789	0.7	0.5	0.7	9790	0.7	0.9	0.9
9791	0.2	0.1	0.1	9792	6.6	3.4	4.9	9793	6.9	3.4	5.0
9794	0.4	0.5	0.5	9795	0.3	0.3	0.3	9796	0.1	0.1	0.1
9797	0.4	0.2	0.3	9798	0.6	0.5	0.7	9799	1.9	2.1	2.0
9800	2.3	2.0	2.1	9801	0.4	0.3	0.4	9802	0.5	0.3	0.5
9803	0.5	0.3	0.4	9804	0.5	0.4	0.5	9805	0.3	0.2	0.4
9806	0.2	0.1	0.2	9807	2.3	2.4	2.3	9808	2.6	2.5	2.6
9809	1.6	1.7	1.6	9810	0.4	0.4	0.5	9811	0.0	0.1	0.1
9812	0.2	0.2	0.2	9813	0.4	0.4	0.5	9814	0.5	0.7	0.7
9815	0.5	0.4	0.5	9816	0.1	0.2	0.2	9817	1.7	1.6	1.6
9818	0.3	0.2	0.4	9819	0.4	0.4	0.4	9820	0.4	0.4	0.4
9821	0.3	0.2	0.3	9822	0.2	0.1	0.2	9823	0.3	0.5	0.5
9824	1.6	1.6	1.6	9825	0.5	0.5	0.6	9826	0.2	0.1	0.2
9827	0.3	0.1	0.3	9828	0.3	0.2	0.3	9829	0.4	0.2	0.3
9830	0.8	0.7	0.8	9831	0.4	0.4	0.5	9832	0.3	0.1	0.3
9833	0.2	0.4	0.4	9834	1.7	1.5	1.6	9835	0.3	0.2	0.3
9836	1.1	0.8	1.1	9837	1.1	0.9	1.2	9838	0.7	0.5	0.7
9839	0.3	0.3	0.4	9840	0.1	0.3	0.2	9841	0.4	0.5	0.5
9842	0.3	0.3	0.4	9843	0.1	0.1	0.1	9844	0.2	0.2	0.3
9845	0.5	0.5	0.6	9846	0.8	0.8	1.0	9847	0.8	0.7	0.8
9848	4.9	4.4	4.3	9849	0.7	0.5	0.8	9850	0.3	0.3	0.3
9851	0.3	0.3	0.4	9852	0.4	0.3	0.4	9853	0.7	0.4	0.6
9854	5.9	8.1	6.5	9855	5.8	8.2	6.5	9856	1.0	0.3	0.7
9857	0.7	0.2	0.6	9858	0.1	0.1	0.1	9859	0.2	0.1	0.1
9860	0.2	0.0	0.2	9861	0.2	0.1	0.1	9862	0.4	0.3	0.4
9863	0.9	0.6	0.9	9864	2.6	3.0	2.8	9865	3.0	2.9	2.9
9866	5.3	4.6	4.6	9867	0.8	0.5	0.9	9868	0.3	0.2	0.3
9869	0.2	0.1	0.2	9870	1.0	0.4	0.7	9871	0.8	1.9	1.6
9872	0.1	0.7	0.5	9873	0.9	0.5	0.9	9874	0.1	0.1	0.1
9875	0.4	0.4	0.5	9876	0.3	0.3	0.3	9877	0.8	2.0	1.6
9878	0.9	0.6	1.0	9879	2.8	3.0	2.9	9880	2.8	2.9	2.8
9881	0.4	0.4	0.4	9882	0.8	0.5	0.8	9883	0.1	0.1	0.1
9884	1.6	1.8	1.7	9885	0.4	0.4	0.5	9886	0.6	0.5	0.7
9887	0.8	0.9	1.0	9888	0.8	0.6	0.8	9889	1.7	1.7	1.7
9890	0.0	0.1	0.1	9891	1.7	1.7	1.7	9892	0.6	0.5	0.7
9893	0.5	0.1	0.4	9894	0.4	0.1	0.3	9895	0.4	0.1	0.3
9896	0.3	0.4	0.4	9897	1.7	1.6	1.6	9898	0.2	1.2	1.0
9899	0.1	0.6	0.4	9900	0.2	0.5	0.5	9901	0.6	0.5	0.7
9902	0.3	0.2	0.3	9903	0.6	0.5	0.6	9904	0.2	1.5	1.2
9905	0.5	0.5	0.7	9906	0.8	0.9	1.0	9907	0.7	0.6	0.8
9908	4.2	3.5	3.7	9909	0.4	0.4	0.5	9910	0.9	2.1	1.7
9911	7.1	3.5	5.1	9912	4.2	3.0	3.6	9913	0.8	0.5	0.8
9914	0.4	0.2	0.4	9915	0.4	0.4	0.4	9916	0.5	0.3	0.5
9917	0.9	0.7	1.0	9918	2.9	2.9	2.9	9919	2.9	2.8	2.8
9920	0.4	0.6	0.6	9921	0.2	0.2	0.2	9922	7.2	3.1	5.3
9923	0.6	1.2	1.1	9924	0.9	0.7	1.0	9925	0.3	0.3	0.4
9926	0.5	0.3	0.4	9927	0.8	0.7	1.0	9928	2.8	2.9	2.8
9929	3.0	2.7	2.8	9930	0.6	0.6	0.6	9931	6.4	4.2	4.8
9932	0.7	0.9	0.9	9933	0.2	0.4	0.4	9934	0.3	0.3	0.3
9935	7.5	5.2	5.9	9936	0.2	0.2	0.3	9937	0.5	0.5	0.6
9938	0.8	0.9	1.0	9939	0.6	0.8	0.8	9940	0.2	0.4	0.4
9941	0.3	0.9	0.8	9942	0.4	0.5	0.6	9943	0.4	0.4	0.4
9944	0.4	0.2	0.4	9945	0.1	0.2	0.2	9946	0.1	0.2	0.2
9947	0.1	0.4	0.3	9948	0.3	1.1	0.7	9949	0.3	0.3	0.3
9950	0.4	0.3	0.4	9951	0.3	0.5	0.5	9952	0.2	0.1	0.2
9953	0.2	0.1	0.2	9954	0.4	0.1	0.3	9955	0.4	0.2	0.3
9956	0.4	0.2	0.3	9957	0.3	0.1	0.3	9958	0.8	0.3	0.7
9959	0.4	0.5	0.5	9960	0.3	0.2	0.3	9961	0.5	0.4	0.5
9962	0.4	0.2	0.4	9963	0.2	0.0	0.2	9964	0.1	0.1	0.1
9965	0.2	0.1	0.2	9966	0.1	0.0	0.1	9967	0.4	0.2	0.3
9968	0.5	0.3	0.4	9969	0.3	0.2	0.3	9970	0.5	0.5	0.5
9971	0.8	0.8	0.9	9972	0.8	0.6	0.8	9973	1.1	1.5	1.4
9974	0.4	0.3	0.4	9975	0.2	0.2	0.2	9976	1.7	1.9	1.7
9977	0.5	0.3	0.6	9978	0.3	0.1	0.3	9979	0.1	0.1	0.1
9980	0.8	0.5	0.9	9981	0.2	0.1	0.2	9982	0.1	0.0	0.1
9983	0.3	1.5	0.9	9984	0.4	0.4	0.4	9985	0.5	0.2	0.5

9986	1.8	1.9	1.8	9987	0.4	0.3	0.4	9988	0.8	0.6	0.9	
9989	2.7	3.0	2.8	9990	2.8	2.9	2.8	9991	0.3	0.3	0.3	
9992	1.5	1.3	1.4	9993	0.4	0.3	0.4	9994	1.8	1.9	1.8	
9995	0.6	0.4	0.7	9996	0.3	0.2	0.3	9997	0.1	0.1	0.1	
9998	2.8	2.8	2.8	9999	0.9	0.4	0.9	10000	0.0	0.1	0.1	

VERIFICHE A PUNZONAMENTO

		Norm	beta	sigT	Pcrit	Ro	Acrit	VRd,c	VEd	A staffe	VRd,cs
		[daN]		[daN/cm2]	[cm]	[%]	[cm2]	[daN]	[daN]	[cm2]	[daN]
A	378	-147531.5	1.03	0.10	747.7	0.36	44488.1	165658.0	147628.0	0.0	0.0
A	379	-76705.1	1.06	0.10	770.6	0.36	46679.1	170737.0	77010.0	0.0	0.0
A	386	-133360.7	1.05	0.10	747.7	0.36	44488.1	165658.0	135661.0	0.0	0.0
A	387	-139583.2	1.04	0.10	747.7	0.36	44488.1	165658.0	140774.0	0.0	0.0
A	388	-133347.9	1.05	0.10	747.7	0.36	44488.1	165658.0	135725.0	0.0	0.0
A	390	-237222.7	1.00	0.10	747.7	0.36	44488.1	165658.0	229477.0	16.3	325568.0
A	391	-230121.7	1.01	0.10	747.7	0.36	44488.1	165658.0	224493.0	15.0	323253.0
A	392	-121355.2	1.01	0.10	730.2	0.36	64649.5	161781.0	116647.0	0.0	0.0
A	393	-200143.4	1.01	0.10	747.7	0.36	44488.1	165658.0	196148.0	7.8	230900.0
A	394	-189779.5	1.01	0.10	747.7	0.36	44488.1	165658.0	185340.0	5.0	265996.0
A	395	-240360.5	1.01	0.10	747.7	0.36	44488.1	165658.0	233501.0	17.3	325568.0
A	397	-187639.6	1.02	0.10	747.7	0.36	44488.1	165658.0	185983.0	5.2	207821.0
A	402	-109435.0	1.02	0.10	790.6	0.36	49059.1	175168.0	106364.0	0.0	0.0
A	403	-147348.6	1.02	0.10	790.6	0.36	49059.1	175168.0	145629.0	0.0	0.0
A	404	-211623.3	1.01	0.10	790.6	0.36	49059.1	175168.0	207201.0	8.2	221676.0
A	406	-157078.6	1.01	0.10	790.6	0.36	49059.1	175168.0	153463.0	0.0	0.0
A	407	-162894.4	1.00	0.10	790.6	0.36	49059.1	175168.0	158634.0	0.0	0.0
A	409	-231447.1	1.01	0.10	747.7	0.36	44488.1	165658.0	225292.0	15.2	323253.0
A	410	-218497.8	1.01	0.10	790.6	0.36	49059.1	175168.0	213614.0	9.8	243873.0
A	412	-189299.2	1.01	0.10	747.7	0.36	44488.1	165658.0	184844.0	4.9	265996.0
A	413	-213388.2	1.00	0.10	747.7	0.36	44488.1	165658.0	207079.0	10.6	277095.0
A	414	-158105.6	1.01	0.10	790.6	0.36	49059.1	175168.0	154292.0	0.0	0.0
A	415	-229056.7	1.01	0.10	747.7	0.36	44488.1	165658.0	223318.0	14.7	323253.0
A	417	-93463.2	1.04	0.10	747.7	0.36	44488.1	165658.0	92531.0	0.0	0.0
A	817	-144370.1	1.04	0.10	747.7	0.36	44488.1	165658.0	145896.0	0.0	0.0
A	818	-141728.2	1.03	0.10	747.7	0.36	44488.1	165658.0	142157.0	0.0	0.0
A	820	-148475.2	1.03	0.10	747.7	0.36	44488.1	165658.0	148799.0	0.0	0.0
A	821	-42186.0	1.02	0.10	747.7	0.36	44488.1	165658.0	38386.0	0.0	0.0
A	822	-89493.5	1.04	0.10	747.7	0.36	44488.1	165658.0	88852.0	0.0	0.0
A	823	-138782.4	1.04	0.10	747.7	0.36	44488.1	165658.0	139724.0	0.0	0.0
A	827	-139958.2	1.04	0.10	747.7	0.36	44488.1	165658.0	141050.0	0.0	0.0
A	829	-196388.0	1.01	0.10	747.7	0.36	44488.1	165658.0	192801.0	6.9	230900.0
A	830	-197406.9	1.02	0.10	747.7	0.36	44488.1	165658.0	195252.0	7.6	230900.0
A	831	-228392.7	1.01	0.10	747.7	0.36	44488.1	165658.0	222770.0	14.6	323253.0
A	832	-199952.1	1.02	0.10	747.7	0.36	44488.1	165658.0	196731.0	7.9	230900.0
A	833	-228899.1	1.01	0.10	747.7	0.36	44488.1	165658.0	223020.0	14.7	323253.0
A	867	-78101.9	1.09	0.10	634.5	0.36	53265.4	140586.0	79807.0	0.0	0.0
A	872	-103476.8	1.08	0.10	634.3	0.36	53237.1	140533.0	106148.0	0.0	0.0
A	875	-140762.7	1.04	0.10	747.7	0.36	44488.1	165658.0	142442.0	0.0	0.0
A	876	-229940.7	1.01	0.10	747.7	0.36	44488.1	165658.0	224350.0	15.0	323253.0
A	877	-189626.9	1.01	0.10	747.7	0.36	44488.1	165658.0	185125.0	5.0	265996.0
A	878	-34778.2	1.46	0.10	342.1	0.36	32849.3	75806.0	47352.0	0.0	0.0
A	1030	-33158.8	1.23	0.10	544.4	0.36	42265.5	120605.0	36406.0	0.0	0.0
A	1031	-32506.6	1.24	0.10	544.4	0.36	42277.0	120627.0	35958.0	0.0	0.0
A	1032	-33773.5	1.22	0.10	543.5	0.36	42168.9	120425.0	37013.0	0.0	0.0
A	2089	-69976.8	1.13	0.10	770.6	0.36	46679.1	170737.0	74344.0	0.0	0.0
A	2131	-33114.6	1.64	0.10	287.7	0.36	24103.7	63737.0	52004.0	0.0	0.0
A	2132	-57217.1	1.10	0.10	475.7	0.36	34854.5	105393.0	59264.0	0.0	0.0
A	2133	-72245.0	1.09	0.10	475.5	0.36	34829.8	105355.0	75580.0	0.0	0.0
A	2134	-63707.0	1.10	0.10	475.6	0.36	34845.3	105379.0	66323.0	0.0	0.0
A	2135	-64029.9	1.10	0.10	477.3	0.36	35086.5	105750.0	66894.0	0.0	0.0
A	2136	-61911.6	1.10	0.10	476.0	0.36	34900.9	105465.0	64397.0	0.0	0.0
A	2137	-62839.2	1.10	0.10	475.3	0.36	34799.6	105309.0	65608.0	0.0	0.0
A	2138	-51661.2	1.10	0.10	477.9	0.36	35175.5	105887.0	53191.0	0.0	0.0
A	2139	-15013.1	1.64	0.10	369.6	0.36	39995.9	81886.0	20572.0	0.0	0.0
A	2549	-80020.6	1.00	0.10	750.6	0.36	44299.1	166306.0	75808.0	0.0	0.0
N	3091	-119716.8	1.11	0.00	626.8	0.36	51964.7	138877.0	127582.0	0.0	0.0
N	3337	-202265.6	1.01	0.00	738.3	0.36	43373.6	163570.0	197930.0	8.8	254016.0
N	3339	-197238.7	1.02	0.00	738.3	0.36	43373.6	163570.0	195493.0	8.2	230900.0
N	3341	-243443.2	1.13	0.00	738.3	0.36	43373.6	163570.0	264407.0	25.8	325568.0
N	3343	-191628.6	1.01	0.00	738.3	0.36	43373.6	163570.0	187792.0	6.2	207821.0
N	3345	-199522.0	1.01	0.00	738.3	0.36	43373.6	163570.0	195460.0	8.1	230900.0
N	3347	-196023.3	1.01	0.00	738.3	0.36	43373.6	163570.0	191884.0	7.2	230900.0
N	3349	-106633.4	1.04	0.00	738.3	0.36	43373.6	163570.0	106259.0	0.0	0.0
N	3351	-153852.2	1.01	0.00	738.3	0.36	43373.6	163570.0	151546.0	0.0	0.0
N	3353	-188291.1	1.01	0.00	738.3	0.36	43373.6	163570.0	184362.0	5.3	207821.0
N	3355	-192887.9	1.01	0.00	738.3	0.36	43373.6	163570.0	189867.0	6.7	207821.0
N	3357	-188306.5	1.01	0.00	738.3	0.36	43373.6	163570.0	184204.0	5.3	265996.0
N	3359	-193631.8	1.01	0.00	738.3	0.36	43373.6	163570.0	190412.0	6.9	207821.0
N	3361	-191877.0	1.01	0.00	738.3	0.36	43373.6	163570.0	188522.0	6.4	207821.0
N	3363	-279932.5	1.01	0.00	738.3	0.36	43373.6	163570.0	264494.0	25.8	325568.0
N	3365	-274435.9	1.00	0.00	738.3	0.36	43373.6	163570.0	263629.0	25.6	325568.0
N	3367	-168034.2	1.02	0.00	722.5	0.36	63205.2	160072.0	166893.0	1.7	174562.0
N	3369	-237767.8	1.01	0.00	738.3	0.36	43373.6	163570.0	230817.0	17.2	325568.0
N	3371	-231137.9	1.01	0.00	738.3	0.36	43373.6	163570.0	225490.0	15.8	325568.0
N	3373	-279354.9	1.01	0.00	738.3	0.36	43373.6	163570.0	264308.0	25.7	325568.0
N	3375	-138625.4	1.10	0.00	626.6	0.36	51936.7	138824.0	149115.0	2.6	199516.0
N	3377	-223920.1	1.03	0.00	738.3	0.36	43373.6	163570.0	221682.0	14.9	323253.0
N	3379	-269901.3	1.00	0.00	738.3	0.36	43373.6	163570.0	259833.0	24.6	325568.0
N	3381	-261746.7	1.02	0.00	738.3	0.36	43373.6	163570.0	257078.0	23.9	325568.0
N	3383	-277757.8	1.01	0.00	738.3	0.36	43373.6	163570.0	264558.0	25.8	325568.0
N	3385	-236869.4	1.01	0.00	738.3	0.36	43373.6	163570.0	231702.0	17.4	325568.0
N	3389	-170595.0	1.02	0.00	738.3	0.36	43373.6	163570.0	169070.0	1.4	199516.0
N	3391	-266540.4	1.04	0.00	738.3	0.36	43373.6	163570.0	264189.0	25.7	325568.0
N	3393	-332469.9	1.01	0.00	738.3	0.36	43373.6	163570.0	298934.0	34.6	-1.0
N	3395	-233354.1	1.06	0.00	738.3	0.36	43373.6	163570.0	237303.0	18.8	325568.0
N	3397	-235739.0	1.06	0.00	738.3	0.36	43373.6	163570.0	241355.0	19.9	325568.0

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N 3399 -345918.6  1.08  0.00     738.3  0.36   43373.6  163570.0  355456.0      49.0      -1.0
N 3401 -269907.1  1.01  0.00     738.3  0.36   43373.6  163570.0  261201.0      25.0  325568.0
N 3403 -251082.1  1.01  0.00     738.3  0.36   43373.6  163570.0  243372.0      20.4  325568.0
N 3405 -237437.1  1.02  0.00     738.3  0.36   43373.6  163570.0  232087.0      17.5  325568.0
N 3407 -230126.1  1.01  0.00     738.3  0.36   43373.6  163570.0  224584.0      15.6  325568.0
N 3409 -250798.9  1.01  0.00     738.3  0.36   43373.6  163570.0  243910.0      20.5  325568.0
N 3411 -235801.8  1.05  0.00     738.3  0.36   43373.6  163570.0  238345.0      19.1  325568.0
N 3413 -273686.2  1.00  0.00     738.3  0.36   43373.6  163570.0  262757.0      25.3  325568.0
N 3415 -275029.4  1.00  0.00     738.3  0.36   43373.6  163570.0  264171.0      25.7  325568.0
N 3417 -158333.4  1.01  0.00     738.3  0.36   43373.6  163570.0  155157.0       0.0       0.0
N 6518  -41181.7  1.52  0.00     251.6  0.36   19740.2   55740.0   60975.0       1.3   92353.0
N 6568 -280742.8  1.06  0.00     738.3  0.36   43373.6  163570.0  274302.0      28.3      -1.0
N 6574 -367185.8  1.00  0.00     738.3  0.36   43373.6  163570.0  349605.0      47.5      -1.0
N 6582 -319422.5  1.03  0.00     738.3  0.36   43373.6  163570.0  292812.0      33.0      -1.0
N 6604 -249067.2  1.03  0.00     738.3  0.36   43373.6  163570.0  247019.0      21.3  325568.0
N 6606 -234016.7  1.08  0.00     738.3  0.36   43373.6  163570.0  242306.0      20.1  325568.0
N 6610 -213656.5  1.06  0.00     738.3  0.36   43373.6  163570.0  218880.0      14.1  323253.0
N 6616 -213365.6  1.08  0.00     738.3  0.36   43373.6  163570.0  221784.0      14.9  323253.0
N 6620 -218359.9  1.08  0.00     738.3  0.36   43373.6  163570.0  227193.0      16.3  325568.0
N 6622 -182264.0  1.05  0.00     738.3  0.36   43373.6  163570.0  185696.0       5.7  207821.0
N 6626 -326021.9  1.03  0.00     738.3  0.36   43373.6  163570.0  316880.0      39.2      -1.0
N 6636 -366373.4  1.06  0.00     738.3  0.36   43373.6  163570.0  263133.0      25.4  312596.0
N 6648 -301519.6  1.07  0.00     738.3  0.36   43373.6  163570.0  287020.0      31.5      -1.0
N 6676 -268140.0  1.02  0.00     738.3  0.36   43373.6  163570.0  262006.0      25.2  325568.0
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MACROGUSCIO fondazione

VERIFICHE A FESSURAZIONE (EFFETTO MEMBRANA + PIASTRA)

unità di misura:
   lunghezze   : [cm]   -   forze   : [daN]
   momenti   : [daNcm/cm]   -   tensioni   : [daN/cm2]
   pesi specifici: [daN/cm3]   -   angoli   : [gradi]
   armature   : [cm2]

CASI DI CARICO:

Nome	Descrizione	
25	Rara	(RARA)
26	Rara VentoX 1	(RARA)
27	Rara VentoY 1	(RARA)
28	Rara VentoX 2	(RARA)
29	Rara VentoY 2	(RARA)
30	Rara VentoX 3	(RARA)
31	Rara VentoY 3	(RARA)
32	Frequente 1	(FREQUENTE)
33	Frequente 2	(FREQUENTE)
34	Frequente VentoX 3	(FREQUENTE)
35	Frequente VentoY 3	(FREQUENTE)
36	Quasi Perm	(QUASI PERMANENTE)

DATI:
    copriferro inferiore (asse armatura): 3   cm
    copriferro superiore (asse armatura): 3   cm

    Af = area effettiva disposta nello strato indicato (cm2 al metro)
    wkR = apertura caratteristica per combinazione rara (mm)   - apertura max = 0.3 mm
    wkF =   ''   ''   ''   ''   frequente (mm)   -   ''   '' = 0.2 mm
    wkP =   ''   ''   ''   ''   quasi permanente (mm) -   ''   '' = 0.2 mm

ARMATURA INFERIORE ORIZZONTALE

			COMBINAZIONE RARA					COMBINAZIONE FREQUENTE					COMBINAZIONE QUASI PERMANENTE				
GUSCI	Af	Afc	Mom	Nor	c	f	WkR	Mom	Nor	c	f	WkF	Mom	Nor	c	f	WkP
9386	16.96	16.96	2107	4	6.22	297.	0.013	2021	3	5.97	284.	0.012	1974	3	5.83	278.	0.012
9387	16.96	16.96	1786	3	5.28	252.	0.011	1696	3	5.01	239.	0.010	1554	3	4.59	219.	0.009
9388	16.96	16.96	1917	4	5.65	271.	0.011	1830	4	5.40	258.	0.011	1755	3	5.18	248.	0.010
9389	16.96	16.96	1714	4	5.05	244.	0.010	1580	3	4.65	224.	0.009	1554	3	4.58	220.	0.009
9390	16.96	16.96	1518	3	4.47	215.	0.009	1431	3	4.22	203.	0.009	1310	3	3.86	186.	0.008
9391	16.96	16.96	2350	3	6.96	328.	0.014	2250	3	6.67	313.	0.013	2108	3	6.25	294.	0.012
9392	16.96	16.96	2011	4	5.93	285.	0.012	1921	4	5.67	272.	0.011	1807	4	5.33	256.	0.011
9393	16.96	16.96	2227	4	6.58	314.	0.013	2151	4	6.36	303.	0.013	2104	4	6.22	296.	0.013
9394	16.96	16.96	2212	3	6.55	310.	0.013	2117	3	6.27	296.	0.012	1906	3	5.64	267.	0.011
9395	16.96	16.96	2314	3	6.87	322.	0.014	2200	2	6.53	306.	0.013	2027	2	6.01	282.	0.012
9396	16.96	16.96	631	3	1.83	93.	0.004	554	2	1.61	82.	0.004	413	2	1.18	62.	0.003
9397	16.96	16.96	774	4	2.23	116.	0.005	713	4	2.05	107.	0.005	740	3	2.14	110.	0.005
9398	16.96	16.96	439	5	1.20	72.	0.003	391	4	1.06	65.	0.003	553	4	1.56	87.	0.004
9399	16.96	16.96	1763	4	5.18	252.	0.011	1682	4	4.95	240.	0.010	1575	4	4.63	225.	0.010
9400	16.96	16.96	0.	5	0.00	14.	0.001	0.	4	0.00	13.	0.001	0.	4	0.00	13.	0.001
9401	16.96	16.96	0.	3	0.00	10.	0.001	0.	3	0.00	9.	0.001	157	3	0.39	30.	0.001
9402	16.96	16.96	0.	3	0.00	8.	0.001	0.	3	0.00	7.	0.001	0.	2	0.00	7.	0.001
9403	16.96	16.96	2369	3	7.02	332.	0.014	2259	3	6.69	316.	0.013	2024	3	5.99	284.	0.012
9404	16.96	16.96	2696	3	8.01	374.	0.016	2554	3	7.59	354.	0.015	2452	3	7.28	340.	0.014
9405	16.96	16.96	1293	2	3.82	183.	0.008	875	2	2.57	125.	0.005	960	2	2.83	137.	0.006
9406	16.96	16.96	202	4	0.50	38.	0.002	163	4	0.38	32.	0.002	478	4	1.35	75.	0.003
9407	16.96	16.96	2011	4	5.93	284.	0.012	1992	4	5.88	281.	0.012	1848	4	5.45	261.	0.011
9408	16.96	16.96	2226	4	6.57	314.	0.013	2168	4	6.41	305.	0.013	2106	4	6.22	297.	0.013
9409	16.96	16.96	508	4	1.44	79.	0.003	491	3	1.39	76.	0.003	779	3	2.26	114.	0.005
9410	16.96	16.96	541	4	1.52	85.	0.004	513	4	1.45	80.	0.004	567	4	1.61	87.	0.004
9411	16.96	16.96	2509	3	7.45	348.	0.015	2296	2	6.82	319.	0.013	2168	2	6.44	301.	0.013
9412	16.96	16.96	1251	3	3.68	178.	0.008	760	2	2.22	110.	0.005	740	2	2.16	107.	0.005
9413	16.96	16.96	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000
9414	16.96	16.96	0.	5	0.00	14.	0.001	0.	5	0.00	14.	0.001	0.	3	0.00	10.	0.001
9415	16.96	16.96	0.	7	0.00	20.	0.002	0.	7	0.00	20.	0.002	0.	5	0.00	15.	0.001
9416	16.96	16.96	0.	6	0.00	18.	0.001	0.	6	0.00	18.	0.001	0.	4	0.00	13.	0.001

9417	16.96	16.96	1723	4	5.06	246.	0.010	1668	4	4.90	238.	0.010	1558	4	4.57	223.	0.009
9418	16.96	16.96	0.	5	0.00	16.	0.001	0.	5	0.00	14.	0.001	0.	5	0.00	14.	0.001
9419	16.96	16.96	0.	8	0.00	23.	0.002	0.	7	0.00	21.	0.002	0.	5	0.00	15.	0.001
9420	16.96	16.96	0.	5	0.00	15.	0.001	0.	5	0.00	14.	0.001	0.	3	0.00	8.	0.001
9421	16.96	16.96	0.	2	0.00	7.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	7.	0.001
9422	16.96	16.96	1083	4	3.16	158.	0.007	1006	3	2.94	146.	0.006	478	3	1.36	74.	0.003
9423	16.96	16.96	2670	3	7.92	371.	0.016	2536	3	7.53	352.	0.015	2259	3	6.70	315.	0.013
9424	16.96	16.96	3018	3	8.97	418.	0.017	2852	2	8.48	394.	0.017	2773	2	8.25	384.	0.016
9425	16.96	16.96	0.	4	0.00	11.	0.001	0.	3	0.00	10.	0.001	0.	3	0.00	8.	0.001
9426	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.001
9427	16.96	16.96	0.	4	0.00	12.	0.001	0.	4	0.00	11.	0.001	0.	3	0.00	8.	0.001
9428	16.96	16.96	574	3	1.65	87.	0.004	515	3	1.48	78.	0.003	748	3	2.18	109.	0.005
9429	16.96	16.96	1849	3	5.46	261.	0.011	1844	3	5.45	260.	0.011	1791	3	5.29	252.	0.011
9430	16.96	16.96	2070	4	6.11	292.	0.012	2008	3	5.93	283.	0.012	1976	3	5.84	278.	0.012
9431	16.96	16.96	0.	9	0.00	25.	0.002	0.	8	0.00	23.	0.002	0.	6	0.00	18.	0.001
9432	16.96	16.96	0.	4	0.00	13.	0.001	0.	4	0.00	12.	0.001	0.	3	0.00	10.	0.001
9433	16.96	16.96	0.	6	0.00	18.	0.001	0.	5	0.00	16.	0.001	0.	4	0.00	13.	0.001
9434	16.96	16.96	0.	5	0.00	16.	0.001	0.	5	0.00	14.	0.001	0.	4	0.00	10.	0.001
9435	16.96	16.96	2636	2	7.83	365.	0.015	2378	2	7.07	330.	0.014	2240	2	6.65	311.	0.013
9436	16.96	16.96	999	2	2.94	143.	0.006	721	2	2.11	104.	0.004	438	2	1.26	65.	0.003
9437	16.96	16.96	0.	3	0.00	10.	0.001	0.	3	0.00	9.	0.001	0.	2	0.00	7.	0.001
9438	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	4.	0.000
9439	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	4.	0.000
9440	16.96	16.96	0.	-2	0.04	-1.	0.000	0.	-2	0.03	-1.	0.000	0.	-1	0.02	0.	0.000
9441	16.96	16.96	0.	-2	0.03	0.	0.000	0.	-2	0.03	0.	0.000	0.	-1	0.02	0.	0.000
9442	16.96	16.96	1636	4	4.81	233.	0.010	1577	3	4.64	224.	0.009	1567	4	4.61	223.	0.009
9443	16.96	16.96	0.	4	0.00	13.	0.001	0.	4	0.00	12.	0.001	173	4	0.40	35.	0.002
9444	16.96	16.96	0.	-3	0.05	-1.	0.000	0.	-2	0.04	-1.	0.000	0.	-1	0.02	0.	0.000
9445	16.96	16.96	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000	0.	1	0.00	2.	0.000
9446	16.96	16.96	0.	2	0.00	7.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	7.	0.001
9447	16.96	16.96	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001	0.	2	0.00	5.	0.000
9448	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.00	0.	0.000
9449	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	1.	0.000
9450	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	4.	0.000
9451	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	4.	0.000
9452	16.96	16.96	0.	2	0.00	5.	0.000	0.	2	0.00	6.	0.000	0.	2	0.00	5.	0.000
9453	16.96	16.96	655	3	1.90	97.	0.004	589	2	1.71	87.	0.004	348	2	0.99	54.	0.002
9454	16.96	16.96	1811	3	5.35	255.	0.011	1650	3	4.88	232.	0.010	1490	3	4.40	210.	0.009
9455	16.96	16.96	0.	6	0.00	16.	0.001	0.	5	0.00	15.	0.001	0.	4	0.00	12.	0.001
9456	16.96	16.96	0.	-1	0.02	0.	0.000	0.	-1	0.01	0.	0.000	0.	0.	0.00	0.	0.000
9457	16.96	16.96	0.	2	0.00	7.	0.001	0.	2	0.00	7.	0.001	0.	3	0.00	7.	0.001
9458	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	1	0.00	2.	0.000
9459	16.96	16.96	0.	-1	0.02	0.	0.000	0.	-1	0.02	0.	0.000	0.	0.	0.00	0.	0.000
9460	16.96	16.96	3062	2	9.11	423.	0.018	2782	2	8.28	384.	0.016	2606	2	7.75	360.	0.015
9461	16.96	16.96	1289	2	3.81	181.	0.008	1104	2	3.26	155.	0.007	775	2	2.28	110.	0.005
9462	16.96	16.96	0.	2	0.00	6.	0.000	0.	2	0.00	5.	0.000	0.	1	0.00	4.	0.000
9463	16.96	16.96	591	1	1.75	83.	0.003	343	1	1.01	49.	0.002	295	1	0.87	42.	0.002
9464	16.96	16.96	887	0.	2.64	122.	0.005	821	0.	2.45	113.	0.005	721	1	2.14	100.	0.004
9465	16.96	16.96	918	-1	2.76	123.	0.005	847	-1	2.54	114.	0.005	514	0.	1.54	69.	0.003
9466	16.96	16.96	873	0.	2.62	117.	0.005	799	0.	2.40	108.	0.004	595	0.	1.79	80.	0.003
9467	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000
9468	16.96	16.96	1597	3	4.71	226.	0.010	1542	3	4.55	218.	0.009	1238	3	3.64	176.	0.007
9469	16.96	16.96	0.	3	0.00	8.	0.001	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001
9470	16.96	16.96	0.	2	0.00	6.	0.001	0.	2	0.00	6.	0.001	0.	2	0.00	6.	0.000
9471	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	219	0.	0.65	30.	0.001
9472	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	1	0.00	3.	0.000
9473	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	1.	0.000
9474	16.96	16.96	201	0.	0.60	28.	0.001	152	0.	0.45	21.	0.001	409	0.	1.22	56.	0.002
9475	16.96	16.96	71	1	0.20	11.	0.001	0.	1	0.00	2.	0.000	273	1	0.80	39.	0.002
9476	16.96	16.96	358	1	1.05	51.	0.002	194	1	0.56	29.	0.001	475	1	1.40	67.	0.003
9477	16.96	16.96	732	0.	2.18	101.	0.004	664	0.	1.98	92.	0.004	706	1	2.10	97.	0.004
9478	16.96	16.96	0.	0.	0.00	1.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	4.	0.000
9479	16.96	16.96	0.	5	0.00	15.	0.001	0.	5	0.00	14.	0.001	0.	3	0.00	9.	0.001
9480	16.96	16.96	847	4	2.45	125.	0.005	780	3	2.26	116.	0.005	803	3	2.33	118.	0.005
9481	16.96	16.96	2018	4	5.96	284.	0.012	1850	3	5.47	260.	0.011	1830	3	5.41	257.	0.011
9482	16.96	16.96	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.001	0.	3	0.00	8.	0.001
9483	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000
9484	16.96	16.96	542	1	1.61	75.	0.003	481	0.	1.43	67.	0.003	296	1	0.87	42.	0.002
9485	16.96	16.96	2153	3	6.37	302.	0.013	2074	3	6.14	290.	0.012	2001	3	5.92	280.	0.012
9486	16.96	16.96	1880	3	5.56	264.	0.011	1811	3	5.36	254.	0.011	1693	3	5.01	238.	0.010
9487	16.96	16.96	70	2	0.11	17.	0.001	84	2	0.18	18.	0.001	518	2	1.50	76.	0.003
9488	16.96	16.96	0.	4	0.00	10.	0.001	0.	3	0.00	9.	0.001	0.	2	0.00	5.	0.000
9489	16.96	16.96	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000	0.	0.	0.00	1.	0.000
9490	16.96	16.96	0.	2	0.00	6.	0.000	0.	2	0.00	6.	0.000	0.	2	0.00	5.	0.000
9491	16.96	16.96	0.	3	0.00	10.	0.001	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001
9492	16.96	16.96	9564	2	28.56	1307.	0.054	8665	2	25.88	1184.	0.049	7184	2	21.44	983.	0.041
9493	16.96	16.96	252	0.	0.75	35.	0.001	234	0.	0.70	32.	0.001	389	0.	1.16	54.	0.002
9494	16.96	16.96	935	0.	2.79	128.	0.005	863	0.	2.58	118.	0.005	690	1	2.05	96.	0.004
9495	16.96	16.96	0.	-2	0.04	-1.	0.000	0.	-2	0.04	-1.	0.000	0.	-1	0.02	0.	0.000
9496	16.96	16.96	0.	7	0.00	21.	0.002	0.	7	0.00	19.	0.002	0.	5	0.00	14.	0.001
9497	16.96	16.96	466	4	1.29	75.	0.003	414	4	1.14	67.	0.003	597	4	1.70	92.	0.004
9498	16.96	16.96	2093	4	6.18	295.	0.012	1969	3	5.82	277.	0.012	1921	3	5.68	270.	0.011
9499	16.96	16.96	2301	3	6.81	322.	0.014	2216	3	6.57	310.	0.013	2165	3	6.41	303.	0.013
9500	16.96	16.96	1949	3	5.76	274.	0.012	1882	3	5.57	264.	0.011	1789	3	5.29	251.	0.011
9501	16.96	16.96	0.	3	0.00	10.	0.001	0.	3	0.00	9.	0.001	262	3	0.71	44.	0.002
9502	16.96	16.96	0.	6	0.00	18.	0.001	0.	5	0.00	16.	0.001	0.	4	0.00	11.	0.001
9503	16.96	16.96	0.	-2	0.04	-1.	0.000	0.	-2	0.04	-1.	0.000	0.	-1	0.02	0.	0.000
9504	16.96	16.96	1369	1	4.07	189.	0.008	1288	1	3.83	178.	0.007	1464	1	4.36	202.	0.008
9505	16.96	16.96	1334	1	3.97	184.	0.008	1246	1	3.71	172.	0.007	1173	1	3.49	162.	0.007
9506	16.96	16.96	1902	1	5.67	262.	0.011	1793	1	5.34	246.	0.010	1757	1	5.24	241.	0.010
9507	16.96	16.96	2325	1	6.93	319.	0.013	2179	1	6.50	299.	0.012	2085	1	6.21	287.	0.012
9508	16.96	16.96	2225	1	6.64	305.	0.013	2088	1	6.23	286.	0.012	2206	1	6.57	303.	0.013
9509	16.96	16.96	0.	4	0.00	12.	0.001	0.	4	0.00	11.	0.001	0.	4	0.00	11.	0.001
9510	16.96	16.96	13820	1	41.31	1883.	0.089	12559	1	37.54	1711.	0.077	11195	1	33.46	1526.	0.065
9511	16.96	16.96	1761	2	5.22	246.	0.010	1562	2	4.63	218.	0.009	1316	2	3.90	184.	0.008
9512	16.96	16.96	917	-1	2.76	123.	0.005	705	-1	2.12	94.	0.004	490	0.	1.47	66.	0.003
9513	16.96	16.96	0.	-2	0.04	-1.	0.000	0.	-2	0.03	0.	0.000	0.	-1	0.02	0.	0.000
9514	16.96	16.96	0.	6	0.00	19.	0.001	0.	6	0.00	17.	0.001	0.	4	0.00	12.	0.001
9515	16.96	16.96	201	4	0.50	37.	0.002	160	3	0.38	31.	0.002	479	3	1.36	74.	0.003
9516	16.96	16.96	2074	3	6.13	291.	0.012	1992	3	5.89	279.	0.012	1848	3	5.46	259.	0.011
9517	16.96	16.96	1450	1	4.31	201.	0.008	1354	1	4.02	187.	0.008	1325	1	3.94	183.	0.008
9518	16.96	16.96	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.001	0.	2	0.00	6.	0.000

9519	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9520	16.96	16.96	538	1	1.58	77.	0.003	536	1	1.57	77.	0.003	487	1	1.43	70.	0.003
9521	16.96	16.96	837	1	2.49	116.	0.005	866	1	2.57	120.	0.005	733	1	2.18	102.	0.004
9522	16.96	16.96	774	0.	2.32	105.	0.004	723	0.	2.17	98.	0.004	581	0.	1.74	78.	0.003
9523	16.96	16.96	1006	0.	3.01	137.	0.006	952	0.	2.85	130.	0.005	887	0.	2.65	121.	0.005
9524	16.96	16.96	955	0.	2.85	131.	0.005	905	0.	2.70	124.	0.005	592	0.	1.76	81.	0.003
9525	16.96	16.96	960	0.	2.87	131.	0.005	911	0.	2.72	124.	0.005	679	0.	2.03	93.	0.004
9526	16.96	16.96	895	0.	2.68	121.	0.005	845	0.	2.53	115.	0.005	884	0.	2.64	120.	0.005
9527	16.96	16.96	2299	3	6.81	322.	0.014	2231	3	6.61	312.	0.013	2168	3	6.43	303.	0.013
9528	16.96	16.96	1932	3	5.71	272.	0.011	1873	3	5.54	263.	0.011	1698	3	5.02	239.	0.010
9529	16.96	16.96	0.	4	0.00	10.	0.001	0.	3	0.00	9.	0.001	120	3	0.26	25.	0.001
9530	16.96	16.96	0.	5	0.00	15.	0.001	0.	5	0.00	14.	0.001	0.	4	0.00	10.	0.001
9531	16.96	16.96	0.	-1	0.02	0.	0.000	0.	-1	0.02	0.	0.000	0.	0.	0.01	0.	0.000
9532	16.96	16.96	1787	1	5.32	247.	0.010	1677	1	4.99	231.	0.010	1800	1	5.36	248.	0.010
9533	16.96	16.96	1266	1	3.78	174.	0.007	1196	0.	3.57	164.	0.007	1262	0.	3.76	173.	0.007
9534	16.96	16.96	834	0.	2.48	115.	0.005	787	0.	2.35	108.	0.005	845	0.	2.52	116.	0.005
9535	16.96	16.96	493	0.	1.47	68.	0.003	461	0.	1.37	64.	0.003	642	0.	1.91	88.	0.004
9536	16.96	16.96	1266	0.	3.78	173.	0.007	1192	0.	3.56	163.	0.007	1221	0.	3.64	167.	0.007
9537	16.96	16.96	1772	0.	5.29	242.	0.010	1661	0.	4.96	227.	0.009	1593	1	4.75	218.	0.009
9538	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	1115	1	3.32	153.	0.006
9539	16.96	16.96	1102	2	3.25	156.	0.007	1013	2	2.99	143.	0.006	995	2	2.94	141.	0.006
9540	16.96	16.96	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.001	0.	2	0.00	7.	0.001
9541	16.96	16.96	16712	0.	49.97	2274.	0.116	15300	0.	45.75	2082.	0.103	13947	0.	41.70	1898.	0.090
9542	16.96	16.96	9477	0.	28.34	1290.	0.054	8670	0.	25.92	1180.	0.049	7866	0.	23.52	1071.	0.045
9543	16.96	16.96	195	0.	0.59	25.	0.001	198	0.	0.60	26.	0.001	72	0.	0.22	9.	0.000
9544	16.96	16.96	582	1	1.73	81.	0.003	578	0.	1.72	80.	0.003	633	0.	1.89	87.	0.004
9545	16.96	16.96	626	1	1.85	88.	0.004	605	1	1.79	85.	0.004	592	1	1.75	83.	0.003
9546	16.96	16.96	685	0.	2.06	93.	0.004	644	0.	1.93	87.	0.004	504	0.	1.51	68.	0.003
9547	16.96	16.96	1002	0.	2.99	137.	0.006	951	0.	2.84	130.	0.005	804	0.	2.40	110.	0.005
9548	16.96	16.96	882	-1	2.65	118.	0.005	542	-1	1.63	72.	0.003	566	-1	1.70	75.	0.003
9549	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	3.	0.000
9550	16.96	16.96	0.	4	0.00	11.	0.001	0.	4	0.00	11.	0.001	0.	3	0.00	8.	0.001
9551	16.96	16.96	738	3	2.14	109.	0.005	679	3	1.97	100.	0.004	770	3	2.24	112.	0.005
9552	16.96	16.96	2041	3	6.04	286.	0.012	1960	3	5.81	274.	0.012	1824	3	5.40	255.	0.011
9553	16.96	16.96	1978	1	5.90	271.	0.011	1855	1	5.53	255.	0.011	1949	1	5.82	267.	0.011
9554	16.96	16.96	139	1	0.40	21.	0.001	251	1	0.73	36.	0.002	679	1	2.01	95.	0.004
9555	16.96	16.96	0.	4	0.00	11.	0.001	0.	3	0.00	10.	0.001	0.	3	0.00	10.	0.001
9556	16.96	16.96	0.	4	0.00	11.	0.001	0.	3	0.00	9.	0.001	0.	2	0.00	6.	0.000
9557	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	2.	0.000
9558	16.96	16.96	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000
9559	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	0.	0.00	0.	0.000
9560	16.96	16.96	0.	2	0.00	5.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	2.	0.000
9561	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	2.	0.000
9562	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	0.	0.000
9563	16.96	16.96	958	0.	2.86	131.	0.005	910	0.	2.71	125.	0.005	578	0.	1.72	79.	0.003
9564	16.96	16.96	2114	3	6.26	296.	0.012	2058	3	6.10	287.	0.012	2007	3	5.95	280.	0.012
9565	16.96	16.96	1915	3	5.67	268.	0.011	1851	3	5.48	259.	0.011	1678	3	4.97	235.	0.010
9566	16.96	16.96	0.	3	0.00	9.	0.001	175	3	0.45	31.	0.001	477	3	1.37	72.	0.003
9567	16.96	16.96	0.	4	0.00	11.	0.001	0.	3	0.00	10.	0.001	0.	2	0.00	7.	0.001
9568	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000	0.	2	0.00	5.	0.000
9569	16.96	16.96	837	0.	2.50	115.	0.005	811	0.	2.42	111.	0.005	1313	0.	3.92	180.	0.007
9570	16.96	16.96	591	1	1.75	83.	0.003	643	1	1.91	89.	0.004	669	1	1.99	93.	0.004
9571	16.96	16.96	710	3	2.07	104.	0.004	682	2	1.99	99.	0.004	741	2	2.16	108.	0.005
9572	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	2	0.00	5.	0.000
9573	16.96	16.96	15271	0.	45.67	2077.	0.103	14015	0.	41.91	1906.	0.091	12733	0.	38.08	1732.	0.079
9574	16.96	16.96	8133	0.	24.32	1106.	0.046	7397	0.	22.12	1006.	0.042	6384	0.	19.09	868.	0.036
9575	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	0.	0.00	0.	0.000
9576	16.96	16.96	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001	0.	2	0.00	5.	0.000
9577	16.96	16.96	0.	-1	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	-1	0.01	0.	0.000
9578	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	0.	0.00	0.	0.000
9579	16.96	16.96	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000	0.	1	0.00	2.	0.000
9580	16.96	16.96	896	0.	2.67	123.	0.005	594	0.	1.77	82.	0.003	684	0.	2.04	94.	0.004
9581	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9582	16.96	16.96	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000
9583	16.96	16.96	553	2	1.60	82.	0.004	487	2	1.41	73.	0.003	354	2	1.01	54.	0.002
9584	16.96	16.96	1728	3	5.11	243.	0.010	1593	3	4.71	224.	0.009	1505	2	4.45	211.	0.009
9585	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9586	16.96	16.96	0.	-4	0.06	-1.	0.000	0.	-3	0.06	-1.	0.000	0.	-3	0.06	-1.	0.000
9587	16.96	16.96	0.	-1	0.03	0.	0.000	0.	-1	0.02	0.	0.000	0.	-1	0.02	0.	0.000
9588	16.96	16.96	0.	-1	0.02	0.	0.000	0.	-1	0.02	0.	0.000	0.	-1	0.02	0.	0.000
9589	16.96	16.96	0.	-2	0.03	0.	0.000	0.	-1	0.03	0.	0.000	0.	-1	0.02	0.	0.000
9590	16.96	16.96	0.	-3	0.05	-1.	0.000	0.	-2	0.05	-1.	0.000	0.	-2	0.04	-1.	0.000
9591	16.96	16.96	0.	-3	0.05	-1.	0.000	0.	-3	0.05	-1.	0.000	0.	-2	0.04	-1.	0.000
9592	16.96	16.96	0.	-1	0.02	0.	0.000	0.	-1	0.02	0.	0.000	0.	-1	0.02	0.	0.000
9593	16.96	16.96	0.	2	0.00	4.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	2.	0.000
9594	16.96	16.96	954	0.	2.85	130.	0.005	906	0.	2.71	123.	0.005	692	0.	2.07	95.	0.004
9595	16.96	16.96	1387	3	4.09	196.	0.008	1362	2	4.02	192.	0.008	1250	2	3.69	176.	0.007
9596	16.96	16.96	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.000	0.	2	0.00	6.	0.000
9597	16.96	16.96	0.	2	0.00	6.	0.000	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000
9598	16.96	16.96	0.	2	0.00	5.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000
9599	16.96	16.96	426	1	1.25	61.	0.003	418	1	1.23	59.	0.003	515	1	1.52	73.	0.003
9600	16.96	16.96	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.001	0.	1	0.00	3.	0.000
9601	16.96	16.96	0.	-2	0.03	0.	0.000	0.	-2	0.03	0.	0.000	0.	-2	0.03	0.	0.000
9602	16.96	16.96	0.	-2	0.04	-1.	0.000	0.	-2	0.03	-1.	0.000	0.	-1	0.03	0.	0.000
9603	16.96	16.96	0.	-4	0.08	-1.	0.000	0.	-4	0.07	-1.	0.000	0.	-3	0.06	-1.	0.000
9604	16.96	16.96	0.	-1	0.02	0.	0.000	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000
9605	16.96	16.96	0.	-1	0.02	0.	0.000	0.	-1	0.02	0.	0.000	0.	-1	0.01	0.	0.000
9606	16.96	16.96	0.	-3	0.05	-1.	0.000	0.	-3	0.05	-1.	0.000	0.	-2	0.04	-1.	0.000
9607	16.96	16.96	426	0.	1.26	59.	0.002	369	0.	1.09	51.	0.002	261	1	0.77	37.	0.002
9608	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	1	0.00	4.	0.000
9609	16.96	16.96	0.	5	0.00	15.	0.001	0.	5	0.00	14.	0.001	0.	3	0.00	9.	0.001
9610	16.96	16.96	771	4	2.22	115.	0.005	703	3	2.03	105.	0.005	763	3	2.21	113.	0.005
9611	16.96	16.96	1965	4	5.80	277.	0.012	1797	3	5.31	253.	0.011	1802	3	5.32	253.	0.011
9612	16.96	16.96	1842	0.	5.51	250.	0.010	1722	0.	5.15	234.	0.010	1932	0.	5.77	264.	0.011
9613	16.96	16.96	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000
9614	16.96	16.96	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000	49	-1	0.16	4.	0.000
9615	16.96	16.96	927	-3	2.83	117.	0.005	846	-3	2.58	107.	0.004	786	-3	2.40	99.	0.004
9616	16.96	16.96	669	-2	2.04	85.	0.004	594	-2	1.81	76.	0.003	724	-2	2.20	93.	0.004
9617	16.96	16.96	332	-1	1.02	41.	0.002	363	-1	1.11	46.	0.002	294	-1	0.90	37.	0.002
9618	16.96	16.96	650	-2	1.98	83.	0.003	623	-2	1.89	81.	0.003	631	-1	1.91	82.	0.003
9619	16.96	16.96	672	-2	2.05	85.	0.004	638	-2	1.95	81.	0.003	543	-2	1.66	69.	0.003
9620	16.96	16.96	575	-2	1.76	72.	0.003	551	-2	1.68	70.	0.003	451	-2	1.38	56.	0.002

9621	16.96	16.96	517	-1	1.57	67.	0.003	510	-1	1.55	66.	0.003	506	-1	1.54	65.	0.003
9622	16.96	16.96	0.	-3	0.05	-1.	0.000	0.	-2	0.04	-1.	0.000	0.	-2	0.04	-1.	0.000
9623	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	0.	0.000
9624	16.96	16.96	885	0.	2.65	120.	0.005	836	0.	2.50	113.	0.005	869	0.	2.60	118.	0.005
9625	16.96	16.96	2173	3	6.43	305.	0.013	2028	3	6.01	284.	0.012	2010	3	5.95	281.	0.012
9626	16.96	16.96	1685	3	4.97	238.	0.010	1640	3	4.84	231.	0.010	1614	3	4.76	228.	0.010
9627	16.96	16.96	0.	4	0.00	11.	0.001	0.	3	0.00	10.	0.001	223	3	0.58	40.	0.002
9628	16.96	16.96	0.	6	0.00	16.	0.001	0.	5	0.00	15.	0.001	0.	3	0.00	10.	0.001
9629	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	1	0.00	4.	0.000
9630	16.96	16.96	904	2	2.66	129.	0.005	856	2	2.52	122.	0.005	1006	2	2.98	141.	0.006
9631	16.96	16.96	0.	2	0.00	6.	0.000	0.	2	0.00	6.	0.000	0.	2	0.00	5.	0.000
9632	16.96	16.96	1064	-4	3.25	135.	0.006	939	-3	2.87	119.	0.005	815	-3	2.49	103.	0.004
9633	16.96	16.96	120	-1	0.37	14.	0.001	117	-1	0.36	14.	0.001	125	-1	0.39	15.	0.001
9634	16.96	16.96	392	-1	1.20	49.	0.002	378	-1	1.15	48.	0.002	480	-1	1.46	62.	0.003
9635	16.96	16.96	520	-2	1.60	64.	0.003	488	-2	1.50	61.	0.003	443	-2	1.36	55.	0.002
9636	16.96	16.96	0.	-1	0.02	0.	0.000	0.	-1	0.02	0.	0.000	0.	-1	0.02	0.	0.000
9637	16.96	16.96	856	0.	2.56	117.	0.005	785	0.	2.34	107.	0.004	747	0.	2.22	103.	0.004
9638	16.96	16.96	0.	-3	0.05	-1.	0.000	0.	-2	0.04	-1.	0.000	0.	-1	0.03	0.	0.000
9639	16.96	16.96	0.	7	0.00	22.	0.002	0.	7	0.00	20.	0.002	0.	5	0.00	15.	0.001
9640	16.96	16.96	411	4	1.12	68.	0.003	360	4	0.97	60.	0.003	500	4	1.40	79.	0.004
9641	16.96	16.96	2047	4	6.04	289.	0.012	1925	3	5.69	271.	0.011	1842	3	5.44	260.	0.011
9642	16.96	16.96	1913	0.	5.72	261.	0.011	1798	0.	5.37	245.	0.010	1854	0.	5.53	253.	0.011
9643	16.96	16.96	1288	3	3.78	185.	0.008	1250	3	3.67	179.	0.008	1139	3	3.35	163.	0.007
9644	16.96	16.96	908	2	2.67	130.	0.006	822	2	2.41	118.	0.005	1059	2	3.12	150.	0.006
9645	16.96	16.96	1029	-4	3.15	129.	0.005	1033	-4	3.15	131.	0.005	985	-3	3.00	126.	0.005
9646	16.96	16.96	900	-4	2.76	112.	0.005	914	-3	2.80	115.	0.005	838	-3	2.56	106.	0.004
9647	16.96	16.96	760	-2	2.32	97.	0.004	771	-2	2.35	99.	0.004	667	-2	2.03	86.	0.004
9648	16.96	16.96	424	-2	1.30	53.	0.002	566	-1	1.72	73.	0.003	360	-1	1.10	46.	0.002
9649	16.96	16.96	674	-3	2.06	84.	0.004	694	-2	2.12	88.	0.004	542	-2	1.66	68.	0.003
9650	16.96	16.96	594	-2	1.81	75.	0.003	723	-2	2.20	93.	0.004	535	-2	1.64	68.	0.003
9651	16.96	16.96	360	-1	1.09	46.	0.002	478	-1	1.45	62.	0.003	360	-1	1.09	47.	0.002
9652	16.96	16.96	710	-2	2.17	90.	0.004	680	-2	2.07	87.	0.004	492	-2	1.51	62.	0.003
9653	16.96	16.96	0.	-1	0.02	0.	0.000	0.	-1	0.02	0.	0.000	0.	-1	0.02	0.	0.000
9654	16.96	16.96	706	-1	2.12	94.	0.004	593	-1	1.78	79.	0.003	496	-1	1.49	66.	0.003
9655	16.96	16.96	2272	4	6.72	319.	0.013	2163	3	6.40	303.	0.013	2141	3	6.34	300.	0.013
9656	16.96	16.96	1777	4	5.23	252.	0.011	1727	3	5.09	244.	0.010	1630	3	4.80	231.	0.010
9657	16.96	16.96	0.	5	0.00	14.	0.001	0.	4	0.00	12.	0.001	0.	4	0.00	12.	0.001
9658	16.96	16.96	0.	8	0.00	23.	0.002	0.	7	0.00	21.	0.002	0.	5	0.00	15.	0.001
9659	16.96	16.96	0.	-3	0.06	-1.	0.000	0.	-3	0.05	-1.	0.000	0.	-2	0.04	-1.	0.000
9660	16.96	16.96	766	6	2.14	122.	0.005	756	6	2.12	119.	0.005	1286	6	3.71	192.	0.008
9661	16.96	16.96	224	-1	0.69	27.	0.001	385	-1	1.18	49.	0.002	361	-1	1.10	47.	0.002
9662	16.96	16.96	571	-2	1.75	71.	0.003	658	-2	2.01	84.	0.003	504	-2	1.54	64.	0.003
9663	16.96	16.96	0.	-1	0.02	0.	0.000	0.	-1	0.02	0.	0.000	0.	-1	0.02	0.	0.000
9664	16.96	16.96	850	-1	2.56	113.	0.005	776	-1	2.34	103.	0.004	622	-1	1.87	83.	0.003
9665	16.96	16.96	0.	-2	0.04	-1.	0.000	0.	-2	0.04	-1.	0.000	0.	-2	0.03	0.	0.000
9666	16.96	16.96	0.	6	0.00	19.	0.001	0.	6	0.00	17.	0.001	0.	4	0.00	12.	0.001
9667	16.96	16.96	241	4	0.62	43.	0.002	200	3	0.51	37.	0.002	577	3	1.65	88.	0.004
9668	16.96	16.96	2065	4	6.10	291.	0.012	2037	3	6.02	286.	0.012	1892	3	5.59	266.	0.011
9669	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	-1	0.01	0.	0.000
9670	16.96	16.96	1421	0.	4.25	194.	0.008	1372	0.	4.10	187.	0.008	1546	0.	4.62	211.	0.009
9671	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9672	16.96	16.96	0.	-4	0.07	-1.	0.000	0.	-5	0.08	-1.	0.000	0.	-4	0.07	-1.	0.000
9673	16.96	16.96	0.	-3	0.06	-1.	0.000	0.	-4	0.07	-1.	0.000	0.	-4	0.07	-1.	0.000
9674	16.96	16.96	0.	0.	0.01	0.	0.000	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000
9675	16.96	16.96	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000	0.	0.	0.00	0.	0.000
9676	16.96	16.96	0.	-4	0.07	-1.	0.000	0.	-3	0.06	-1.	0.000	0.	-3	0.05	-1.	0.000
9677	16.96	16.96	0.	-3	0.06	-1.	0.000	0.	-3	0.05	-1.	0.000	0.	-3	0.05	-1.	0.000
9678	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	1.	0.000
9679	16.96	16.96	672	-3	2.06	85.	0.004	708	-2	2.16	90.	0.004	575	-2	1.76	73.	0.003
9680	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	0.	0.00	0.	0.000
9681	16.96	16.96	1054	0.	3.15	143.	0.006	931	0.	2.78	126.	0.005	851	0.	2.55	115.	0.005
9682	16.96	16.96	2287	4	6.76	321.	0.014	2206	3	6.53	309.	0.013	2137	3	6.32	300.	0.013
9683	16.96	16.96	1750	4	5.15	249.	0.011	1690	4	4.98	240.	0.010	1581	4	4.65	225.	0.010
9684	16.96	16.96	0.	5	0.00	15.	0.001	0.	4	0.00	13.	0.001	0.	4	0.00	13.	0.001
9685	16.96	16.96	0.	9	0.00	25.	0.002	0.	8	0.00	23.	0.002	0.	6	0.00	17.	0.001
9686	16.96	16.96	0.	-2	0.04	-1.	0.000	0.	-2	0.03	-1.	0.000	0.	-1	0.02	0.	0.000
9687	16.96	16.96	1121	1	3.34	154.	0.006	1065	1	3.17	146.	0.006	1351	1	4.02	186.	0.008
9688	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9689	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	1	0.00	2.	0.000
9690	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	1.	0.000
9691	16.96	16.96	0.	-2	0.04	-1.	0.000	0.	-2	0.03	-1.	0.000	0.	-2	0.04	-1.	0.000
9692	16.96	16.96	0.	-2	0.04	-1.	0.000	0.	-2	0.04	-1.	0.000	0.	-2	0.05	-1.	0.000
9693	16.96	16.96	0.	-2	0.04	-1.	0.000	0.	-2	0.03	0.	0.000	0.	-1	0.03	0.	0.000
9694	16.96	16.96	886	-1	2.68	117.	0.005	820	-1	2.48	108.	0.004	541	-1	1.64	71.	0.003
9695	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	1	0.00	3.	0.000
9696	16.96	16.96	0.	4	0.00	11.	0.001	0.	3	0.00	10.	0.001	0.	3	0.00	7.	0.001
9697	16.96	16.96	658	3	1.91	97.	0.004	735	3	2.14	107.	0.005	830	3	2.43	120.	0.005
9698	16.96	16.96	1890	3	5.59	265.	0.011	1973	3	5.84	276.	0.012	1839	3	5.44	258.	0.011
9699	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	199	0.	0.60	27.	0.001
9700	16.96	16.96	1232	0.	3.68	168.	0.007	1270	0.	3.79	173.	0.007	1066	0.	3.18	146.	0.006
9701	16.96	16.96	0.	-9	0.17	-3.	0.000	0.	-8	0.15	-2.	0.000	0.	-6	0.10	-2.	0.000
9702	16.96	16.96	0.	-9	0.16	-2.	0.000	0.	-8	0.14	-2.	0.000	0.	-6	0.11	-2.	0.000
9703	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	1	0.00	3.	0.000
9704	16.96	16.96	0.	-1	0.02	0.	0.000	0.	-1	0.02	0.	0.000	0.	2	0.00	5.	0.000
9705	16.96	16.96	0.	-9	0.16	-2.	0.000	0.	-8	0.14	-2.	0.000	0.	-5	0.09	-1.	0.000
9706	16.96	16.96	0.	-7	0.13	-2.	0.000	0.	-6	0.11	-2.	0.000	0.	-5	0.08	-1.	0.000
9707	16.96	16.96	0.	2	0.00	5.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	2.	0.000
9708	16.96	16.96	1006	0.	3.00	137.	0.006	937	0.	2.80	128.	0.005	611	0.	1.82	84.	0.003
9709	16.96	16.96	2116	3	6.26	297.	0.013	2041	3	6.04	286.	0.012	1993	3	5.90	279.	0.012
9710	16.96	16.96	1670	3	4.92	237.	0.010	1602	3	4.73	226.	0.010	1599	3	4.71	227.	0.010
9711	16.96	16.96	0.	4	0.00	12.	0.001	0.	4	0.00	11.	0.001	202	4	0.50	38.	0.002
9712	16.96	16.96	0.	5	0.00	16.	0.001	0.	5	0.00	15.	0.001	0.	4	0.00	11.	0.001
9713	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000	0.	2	0.00	6.	0.000
9714	16.96	16.96	4672	-4	14.05	625.	0.026	4260	-4	12.82	569.	0.024	3702	-3	11.14	495.	0.021
9715	16.96	16.96	222	-2	0.70	25.	0.001	226	-2	0.71	25.	0.001	1062	-3	3.24	135.	0.006
9716	16.96	16.96	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000	0.	2	0.00	5.	0.000
9717	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	0.	0.00	1.	0.000
9718	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	2	0.00	6.	0.000
9719	16.96	16.96	0.	-8	0.14	-2.	0.000	0.	-7	0.12	-2.	0.000	0.	-4	0.08	-1.	0.000
9720	16.96	16.96	0.	-7	0.12	-2.	0.000	0.	-6	0.10	-2.	0.000	0.	-4	0.08	-1.	0.000
9721	16.96	16.96	0.	-4	0.06	-1.	0.000	0.	-3	0.06	-1.	0.000	0.	-3	0.05	-1.	0.000
9722	16.96	16.96	978	0.	2.93	132.	0.005	906	0.	2.71	122.	0.005	729	0.	2.18	99.	0.004

9723	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9724	16.96	16.96	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000
9725	16.96	16.96	634	2	1.85	93.	0.004	529	2	1.53	78.	0.003	398	2	1.14	60.	0.003
9726	16.96	16.96	1772	3	5.24	249.	0.010	1580	3	4.67	222.	0.009	1493	2	4.42	210.	0.009
9727	16.96	16.96	457	1	1.34	66.	0.003	393	1	1.15	57.	0.002	619	1	1.83	87.	0.004
9728	16.96	16.96	1762	0.	5.26	241.	0.010	1721	1	5.14	236.	0.010	1629	0.	4.86	223.	0.009
9729	16.96	16.96	0.	-10	0.19	-3.	0.000	0.	-10	0.18	-3.	0.000	0.	-5	0.10	-1.	0.000
9730	16.96	16.96	0.	2	0.00	6.	0.000	0.	2	0.00	6.	0.000	0.	2	0.00	6.	0.000
9731	16.96	16.96	0.	30	0.00	88.	0.007	0.	26	0.00	77.	0.006	0.	19	0.00	57.	0.005
9732	16.96	16.96	0.	26	0.00	77.	0.006	0.	23	0.00	67.	0.005	0.	19	0.00	56.	0.005
9733	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000
9734	16.96	16.96	1000	0.	2.99	135.	0.006	948	0.	2.84	128.	0.005	711	0.	2.13	96.	0.004
9735	16.96	16.96	1554	3	4.59	219.	0.009	1504	3	4.45	211.	0.009	1247	3	3.68	176.	0.007
9736	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.001
9737	16.96	16.96	0.	2	0.00	6.	0.000	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000
9738	16.96	16.96	0.	2	0.00	5.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000
9739	16.96	16.96	4357	-5	13.12	580.	0.024	3958	-5	11.93	526.	0.022	3290	-4	9.92	436.	0.018
9740	16.96	16.96	0.	-3	0.06	-1.	0.000	0.	-3	0.05	-1.	0.000	0.	-6	0.10	-2.	0.000
9741	16.96	16.96	479	-3	1.49	56.	0.002	597	-3	1.84	73.	0.003	481	-3	1.49	58.	0.002
9742	16.96	16.96	0.	-4	0.07	-1.	0.000	0.	-3	0.06	-1.	0.000	0.	-3	0.06	-1.	0.000
9743	16.96	16.96	668	0.	2.00	91.	0.004	600	0.	1.79	82.	0.003	329	0.	0.98	45.	0.002
9744	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	1	0.00	3.	0.000
9745	16.96	16.96	0.	5	0.00	14.	0.001	0.	4	0.00	13.	0.001	0.	3	0.00	8.	0.001
9746	16.96	16.96	817	3	2.37	120.	0.005	741	3	2.15	109.	0.005	776	3	2.26	113.	0.005
9747	16.96	16.96	1978	3	5.85	277.	0.012	1801	3	5.33	252.	0.011	1783	3	5.28	250.	0.011
9748	16.96	16.96	2069	0.	6.18	282.	0.012	2002	0.	5.98	273.	0.011	1972	1	5.89	270.	0.011
9749	16.96	16.96	3098	-3	9.32	413.	0.017	2792	-3	8.40	372.	0.015	2435	-2	7.32	326.	0.014
9750	16.96	16.96	0.	-15	0.27	-4.	0.000	0.	-14	0.26	-4.	0.000	0.	-8	0.15	-2.	0.000
9751	16.96	16.96	0.	0.	0.00	1.	0.000	0.	1	0.00	2.	0.000	0.	3	0.00	9.	0.001
9752	16.96	16.96	664	-4	2.05	80.	0.003	659	-4	2.03	80.	0.003	557	-3	1.72	67.	0.003
9753	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	-1	0.02	0.	0.000
9754	16.96	16.96	961	-1	2.89	129.	0.005	902	-1	2.71	121.	0.005	932	-1	2.80	125.	0.005
9755	16.96	16.96	2117	3	6.27	296.	0.012	2043	3	6.06	285.	0.012	1949	2	5.78	272.	0.011
9756	16.96	16.96	1761	3	5.21	247.	0.010	1706	2	5.05	238.	0.010	1623	2	4.81	227.	0.010
9757	16.96	16.96	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.000	452	2	1.31	67.	0.003
9758	16.96	16.96	0.	4	0.00	11.	0.001	0.	3	0.00	9.	0.001	0.	2	0.00	5.	0.000
9759	16.96	16.96	0.	-1	0.02	0.	0.000	0.	-1	0.02	0.	0.000	0.	0.	0.00	0.	0.000
9760	16.96	16.96	84	1	0.23	14.	0.001	48	1	0.12	8.	0.000	86	1	0.24	14.	0.001
9761	16.96	16.96	0.	-5	0.09	-1.	0.000	0.	-4	0.07	-1.	0.000	0.	-4	0.08	-1.	0.000
9762	16.96	16.96	359	-3	1.12	40.	0.002	621	-3	1.91	76.	0.003	444	-3	1.37	53.	0.002
9763	16.96	16.96	0.	-2	0.04	-1.	0.000	0.	-2	0.04	-1.	0.000	0.	-2	0.03	-1.	0.000
9764	16.96	16.96	896	0.	2.68	122.	0.005	838	0.	2.51	114.	0.005	691	0.	2.06	95.	0.004
9765	16.96	16.96	0.	-3	0.05	-1.	0.000	0.	-2	0.04	-1.	0.000	0.	-2	0.03	0.	0.000
9766	16.96	16.96	0.	7	0.00	20.	0.002	0.	6	0.00	18.	0.001	0.	4	0.00	13.	0.001
9767	16.96	16.96	517	4	1.46	81.	0.004	440	3	1.23	69.	0.003	690	3	1.99	103.	0.004
9768	16.96	16.96	2116	3	6.27	296.	0.012	1956	3	5.79	273.	0.012	1898	3	5.62	266.	0.011
9769	16.96	16.96	2221	-1	6.65	301.	0.012	1912	0.	5.73	259.	0.011	2066	0.	6.18	281.	0.012
9770	16.96	16.96	0.	-2	0.04	-1.	0.000	0.	-2	0.04	-1.	0.000	0.	2	0.00	7.	0.001
9771	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9772	16.96	16.96	0.	-13	0.23	-4.	0.000	0.	-11	0.20	-3.	0.000	0.	-7	0.13	-2.	0.000
9773	16.96	16.96	631	-3	1.94	77.	0.003	622	-3	1.91	77.	0.003	563	-3	1.73	69.	0.003
9774	16.96	16.96	0.	-1	0.02	0.	0.000	0.	-1	0.01	0.	0.000	0.	-1	0.02	0.	0.000
9775	16.96	16.96	610	-1	1.84	81.	0.003	575	-1	1.73	77.	0.003	572	-1	1.72	76.	0.003
9776	16.96	16.96	2264	3	6.71	316.	0.013	2206	2	6.55	307.	0.013	2136	2	6.34	297.	0.012
9777	16.96	16.96	1854	3	5.49	260.	0.011	1787	3	5.29	250.	0.011	1690	2	5.00	236.	0.010
9778	16.96	16.96	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001	140	3	0.34	26.	0.001
9779	16.96	16.96	0.	6	0.00	16.	0.001	0.	5	0.00	15.	0.001	0.	3	0.00	10.	0.001
9780	16.96	16.96	0.	-3	0.06	-1.	0.000	0.	-3	0.05	-1.	0.000	0.	-2	0.03	0.	0.000
9781	16.96	16.96	0.	-10	0.19	-3.	0.000	0.	-9	0.16	-2.	0.000	0.	-7	0.12	-2.	0.000
9782	16.96	16.96	0.	-4	0.07	-1.	0.000	0.	-3	0.06	-1.	0.000	0.	-4	0.07	-1.	0.000
9783	16.96	16.96	0.	-1	0.02	0.	0.000	0.	-1	0.02	0.	0.000	0.	-1	0.02	0.	0.000
9784	16.96	16.96	717	-1	2.16	95.	0.004	675	-1	2.04	89.	0.004	510	-1	1.54	67.	0.003
9785	16.96	16.96	0.	-2	0.05	-1.	0.000	0.	-2	0.04	-1.	0.000	0.	-2	0.03	-1.	0.000
9786	16.96	16.96	0.	5	0.00	15.	0.001	0.	5	0.00	14.	0.001	0.	3	0.00	10.	0.001
9787	16.96	16.96	83	3	0.13	20.	0.001	61	3	0.05	16.	0.001	388	3	1.10	60.	0.003
9788	16.96	16.96	2026	3	6.01	283.	0.012	1884	2	5.59	263.	0.011	1738	2	5.15	242.	0.010
9789	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000
9790	16.96	16.96	2943	2	8.77	405.	0.017	2718	2	8.09	374.	0.016	1954	2	5.80	271.	0.011
9791	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	1.	0.000
9792	16.96	16.96	0.	41	0.00	121.	0.010	0.	36	0.00	105.	0.008	0.	26	0.00	78.	0.006
9793	16.96	16.96	0.	37	0.00	109.	0.009	0.	32	0.00	95.	0.008	0.	27	0.00	79.	0.006
9794	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	0.	0.00	0.	0.000
9795	16.96	16.96	915	0.	2.74	125.	0.005	878	0.	2.63	119.	0.005	732	0.	2.19	99.	0.004
9796	16.96	16.96	2303	3	6.84	320.	0.013	2253	2	6.69	313.	0.013	2184	2	6.49	303.	0.013
9797	16.96	16.96	2094	3	6.21	292.	0.012	2006	3	5.95	280.	0.012	1817	2	5.38	254.	0.011
9798	16.96	16.96	0.	3	0.00	10.	0.001	0.	3	0.00	9.	0.001	303	3	0.84	49.	0.002
9799	16.96	16.96	0.	6	0.00	16.	0.001	0.	5	0.00	15.	0.001	0.	4	0.00	11.	0.001
9800	16.96	16.96	0.	-2	0.03	-1.	0.000	0.	-2	0.03	0.	0.000	0.	-1	0.02	0.	0.000
9801	16.96	16.96	0.	-2	0.03	0.	0.000	0.	-2	0.03	0.	0.000	0.	-1	0.02	0.	0.000
9802	16.96	16.96	363	-2	1.12	45.	0.002	356	-2	1.09	44.	0.002	332	-1	1.02	42.	0.002
9803	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.00	0.	0.000
9804	16.96	16.96	0.	3	0.00	8.	0.001	0.	3	0.00	7.	0.001	0.	2	0.00	5.	0.000
9805	16.96	16.96	254	2	0.70	41.	0.002	138	2	0.35	25.	0.001	429	2	1.24	63.	0.003
9806	16.96	16.96	1945	2	5.78	269.	0.011	1753	2	5.21	243.	0.010	1614	2	4.80	224.	0.009
9807	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000
9808	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	1.	0.000
9809	16.96	16.96	0.	2	0.00	5.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	2.	0.000
9810	16.96	16.96	937	0.	2.80	128.	0.005	887	0.	2.65	121.	0.005	587	0.	1.75	80.	0.003
9811	16.96	16.96	2200	2	6.53	305.	0.013	2111	2	6.27	292.	0.012	2056	2	6.11	285.	0.012
9812	16.96	16.96	1828	2	5.42	255.	0.011	1734	2	5.14	242.	0.010	1677	2	4.97	234.	0.010
9813	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	469	2	1.35	70.	0.003
9814	16.96	16.96	0.	4	0.00	10.	0.001	0.	3	0.00	9.	0.001	0.	2	0.00	7.	0.001
9815	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	3.	0.000
9816	16.96	16.96	459	-2	1.40	58.	0.002	436	-2	1.33	55.	0.002	480	-1	1.46	61.	0.003
9817	16.96	16.96	0.	-3	0.06	-1.	0.000	0.	-3	0.06	-1.	0.000	0.	-3	0.05	-1.	0.000
9818	16.96	16.96	98	-1	0.31	10.	0.000	126	-1	0.39	14.	0.001	196	-1	0.60	25.	0.001
9819	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000
9820	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000
9821	16.96	16.96	265	1	0.77	39.	0.002	338	1	0.99	49.	0.002	395	1	1.16	56.	0.002
9822	16.96	16.96	2009	1	5.98	276.	0.012	1794	1	5.34	247.	0.010	1622	1	4.83	223.	0.009
9823	16.96	16.96	2125	-1	6.37	287.	0.012	2375	-1	7.12	321.	0.013	2073	-1	6.21	280.	0.012
9824	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	0.	0.00	0.	0.000

9825	16.96	16.96	1182	-1	3.55	159.	0.007	1059	-1	3.18	142.	0.006	851	-1	2.56	114.	0.005
9826	16.96	16.96	1921	2	5.70	267.	0.011	1815	2	5.39	252.	0.011	1479	2	4.39	206.	0.009
9827	16.96	16.96	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000	0.	1	0.00	4.	0.000
9828	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000
9829	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9830	16.96	16.96	0.	-2	0.04	-1.	0.000	0.	-2	0.03	-1.	0.000	0.	2	0.00	6.	0.000
9831	16.96	16.96	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000	0.	0.	0.00	0.	0.000
9832	16.96	16.96	206	-2	0.65	23.	0.001	324	-2	1.00	39.	0.002	283	-1	0.87	35.	0.001
9833	16.96	16.96	581	-3	1.79	71.	0.003	537	-3	1.65	66.	0.003	494	-2	1.52	61.	0.003
9834	16.96	16.96	0.	-3	0.06	-1.	0.000	0.	-3	0.06	-1.	0.000	0.	-3	0.05	-1.	0.000
9835	16.96	16.96	178	0.	0.53	24.	0.001	113	0.	0.34	15.	0.001	296	0.	0.88	41.	0.002
9836	16.96	16.96	0.	2	0.00	6.	0.000	0.	2	0.00	5.	0.000	0.	2	0.00	6.	0.000
9837	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000
9838	16.96	16.96	587	2	1.72	84.	0.004	539	2	1.58	77.	0.003	517	1	1.53	72.	0.003
9839	16.96	16.96	2359	2	7.01	327.	0.014	2209	2	6.56	306.	0.013	1924	2	5.72	266.	0.011
9840	16.96	16.96	2276	0.	6.81	309.	0.013	2110	0.	6.31	287.	0.012	2019	0.	6.04	275.	0.011
9841	16.96	16.96	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000	0.	-1	0.02	0.	0.000
9842	16.96	16.96	1220	-2	3.68	162.	0.007	1131	-1	3.41	150.	0.006	1071	-1	3.23	142.	0.006
9843	16.96	16.96	2963	3	8.81	410.	0.017	2781	2	8.27	385.	0.016	2566	2	7.63	355.	0.015
9844	16.96	16.96	2381	3	7.07	331.	0.014	2232	2	6.63	310.	0.013	2049	2	6.09	284.	0.012
9845	16.96	16.96	0.	2	0.00	6.	0.000	0.	2	0.00	6.	0.000	475	2	1.38	70.	0.003
9846	16.96	16.96	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001	0.	1	0.00	4.	0.000
9847	16.96	16.96	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000	0.	0.	0.00	0.	0.000
9848	16.96	16.96	0.	-12	0.21	-3.	0.000	0.	-10	0.18	-3.	0.000	0.	-5	0.08	-1.	0.000
9849	16.96	16.96	0.	-4	0.06	-1.	0.000	0.	-3	0.06	-1.	0.000	0.	-3	0.05	-1.	0.000
9850	16.96	16.96	372	-3	1.16	43.	0.002	552	-3	1.70	68.	0.003	420	-2	1.30	51.	0.002
9851	16.96	16.96	672	-3	2.07	83.	0.003	638	-3	1.96	79.	0.003	471	-3	1.45	57.	0.002
9852	16.96	16.96	0.	-2	0.04	-1.	0.000	0.	-2	0.04	-1.	0.000	0.	-2	0.03	0.	0.000
9853	16.96	16.96	211	0.	0.62	30.	0.001	193	0.	0.57	27.	0.001	324	0.	0.97	44.	0.002
9854	16.96	16.96	0.	2	0.00	6.	0.000	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000
9855	16.96	16.96	0.	4	0.00	11.	0.001	0.	3	0.00	10.	0.001	0.	3	0.00	8.	0.001
9856	16.96	16.96	1496	3	4.40	213.	0.009	1374	3	4.04	196.	0.008	1011	2	2.98	144.	0.006
9857	16.96	16.96	3195	4	9.48	444.	0.019	2981	3	8.85	415.	0.017	2644	3	7.85	367.	0.015
9858	16.96	16.96	1876	0.	5.61	256.	0.011	1743	0.	5.21	238.	0.010	1698	0.	5.07	232.	0.010
9859	16.96	16.96	0.	-2	0.04	-1.	0.000	0.	-2	0.04	-1.	0.000	0.	-2	0.04	-1.	0.000
9860	16.96	16.96	712	-2	2.17	91.	0.004	642	-2	1.96	82.	0.003	650	-2	1.98	83.	0.003
9861	16.96	16.96	3416	3	10.15	474.	0.020	3191	3	9.48	442.	0.019	3026	3	8.99	419.	0.018
9862	16.96	16.96	2588	3	7.68	360.	0.015	2415	3	7.16	336.	0.014	2186	3	6.48	305.	0.013
9863	16.96	16.96	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001	0.	3	0.00	8.	0.001
9864	16.96	16.96	0.	5	0.00	15.	0.001	0.	5	0.00	13.	0.001	0.	3	0.00	9.	0.001
9865	16.96	16.96	0.	-2	0.04	-1.	0.000	0.	-2	0.03	-1.	0.000	0.	-1	0.02	0.	0.000
9866	16.96	16.96	0.	-9	0.17	-2.	0.000	0.	-8	0.15	-2.	0.000	0.	-5	0.08	-1.	0.000
9867	16.96	16.96	0.	-4	0.07	-1.	0.000	0.	-3	0.06	-1.	0.000	0.	-3	0.05	-1.	0.000
9868	16.96	16.96	630	-3	1.94	78.	0.003	661	-3	2.03	82.	0.003	520	-3	1.60	64.	0.003
9869	16.96	16.96	0.	-3	0.05	-1.	0.000	0.	-2	0.04	-1.	0.000	0.	-2	0.04	-1.	0.000
9870	16.96	16.96	1059	1	3.15	147.	0.006	968	1	2.88	134.	0.006	794	0.	2.36	109.	0.005
9871	16.96	16.96	3006	4	8.91	420.	0.018	2744	4	8.13	383.	0.016	2747	4	8.14	384.	0.016
9872	16.96	16.96	3849	4	11.44	533.	0.022	3554	3	10.56	493.	0.021	3184	3	9.46	442.	0.019
9873	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	5	0.	0.02	0.	0.000
9874	16.96	16.96	1275	0.	3.81	174.	0.007	1174	0.	3.50	161.	0.007	1088	0.	3.25	149.	0.006
9875	16.96	16.96	0.	-2	0.05	-1.	0.000	0.	-2	0.04	-1.	0.000	0.	-3	0.05	-1.	0.000
9876	16.96	16.96	1205	-2	3.64	158.	0.007	1099	-2	3.32	144.	0.006	1078	-2	3.26	141.	0.006
9877	16.96	16.96	2535	-1	7.60	342.	0.014	2488	-1	7.47	335.	0.014	2435	-1	7.31	328.	0.014
9878	16.96	16.96	0.	4	0.00	11.	0.001	0.	3	0.00	10.	0.001	0.	3	0.00	10.	0.001
9879	16.96	16.96	0.	6	0.00	16.	0.001	0.	5	0.00	15.	0.001	0.	4	0.00	11.	0.001
9880	16.96	16.96	0.	-1	0.02	0.	0.000	0.	-1	0.01	0.	0.000	0.	0.	0.01	0.	0.000
9881	16.96	16.96	0.	-3	0.05	-1.	0.000	0.	-3	0.05	-1.	0.000	0.	-3	0.05	-1.	0.000
9882	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	0.	0.000
9883	16.96	16.96	1294	0.	3.86	177.	0.007	1221	0.	3.64	167.	0.007	1424	0.	4.25	195.	0.008
9884	16.96	16.96	0.	-2	0.04	-1.	0.000	0.	-2	0.04	-1.	0.000	0.	-2	0.04	-1.	0.000
9885	16.96	16.96	1412	-2	4.26	187.	0.008	1292	-2	3.90	171.	0.007	1002	-2	3.03	132.	0.005
9886	16.96	16.96	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001	0.	3	0.00	8.	0.001
9887	16.96	16.96	0.	4	0.00	11.	0.001	0.	3	0.00	10.	0.001	0.	3	0.00	8.	0.001
9888	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000	0.	2	0.00	5.	0.000
9889	16.96	16.96	0.	-3	0.05	-1.	0.000	0.	-2	0.05	-1.	0.000	0.	-2	0.04	-1.	0.000
9890	16.96	16.96	1686	0.	5.03	230.	0.010	1584	0.	4.73	217.	0.009	1731	0.	5.17	237.	0.010
9891	16.96	16.96	0.	-2	0.04	-1.	0.000	0.	-2	0.04	-1.	0.000	0.	-2	0.04	-1.	0.000
9892	16.96	16.96	924	-1	2.79	122.	0.005	832	-1	2.51	110.	0.005	427	-1	1.30	54.	0.002
9893	16.96	16.96	0.	2	0.00	6.	0.000	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000
9894	16.96	16.96	0.	2	0.00	5.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000
9895	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000
9896	16.96	16.96	716	-5	2.22	85.	0.004	656	-4	2.03	78.	0.003	600	-4	1.86	71.	0.003
9897	16.96	16.96	0.	-2	0.04	-1.	0.000	0.	-2	0.03	0.	0.000	0.	-2	0.03	-1.	0.000
9898	16.96	16.96	3044	2	9.07	419.	0.018	2724	2	8.11	375.	0.016	3059	2	9.11	421.	0.018
9899	16.96	16.96	3663	1	10.93	502.	0.021	3334	1	9.95	457.	0.019	3145	1	9.38	432.	0.018
9900	16.96	16.96	1893	0.	5.65	258.	0.011	1770	0.	5.28	242.	0.010	1826	0.	5.45	249.	0.010
9901	16.96	16.96	0.	-11	0.19	-3.	0.000	0.	-10	0.17	-3.	0.000	0.	-8	0.15	-2.	0.000
9902	16.96	16.96	879	-7	2.75	100.	0.004	862	-6	2.69	100.	0.004	775	-6	2.42	90.	0.004
9903	16.96	16.96	0.	-1	0.02	0.	0.000	0.	-1	0.02	0.	0.000	0.	-2	0.03	0.	0.000
9904	16.96	16.96	2979	-3	8.96	398.	0.017	2650	-2	7.97	354.	0.015	2537	-3	7.64	338.	0.014
9905	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9906	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9907	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9908	16.96	16.96	0.	-22	0.39	-6.	0.000	0.	-26	0.48	-7.	0.000	0.	-13	0.24	-4.	0.000
9909	16.96	16.96	876	-3	2.68	111.	0.005	814	-3	2.49	103.	0.004	537	-3	1.66	65.	0.003
9910	16.96	16.96	1323	1	3.94	182.	0.008	1068	1	3.18	147.	0.006	3330	1	9.94	455.	0.019
9911	16.96	16.96	0.	66	0.00	193.	0.015	0.	59	0.00	173.	0.014	0.	44	0.00	131.	0.010
9912	16.96	16.96	0.	-19	0.34	-5.	0.000	0.	-21	0.39	-6.	0.000	0.	-13	0.23	-3.	0.000
9913	16.96	16.96	0.	-8	0.15	-2.	0.000	0.	-7	0.14	-2.	0.000	0.	-7	0.13	-2.	0.000
9914	16.96	16.96	976	-5	3.01	119.	0.005	957	-5	2.95	118.	0.005	915	-4	2.81	113.	0.005
9915	16.96	16.96	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	0.	0.000
9916	16.96	16.96	2637	1	7.87	361.	0.015	2410	1	7.19	330.	0.014	2097	1	6.26	287.	0.012
9917	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9918	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9919	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9920	16.96	16.96	2421	-3	7.31	320.	0.013	2219	-3	6.70	293.	0.012	1950	-3	5.89	257.	0.011
9921	16.96	16.96	3506	1	10.47	479.	0.020	3246	1	9.69	443.	0.018	3140	1	9.38	429.	0.018
9922	16.96	16.96	0.	62	0.00	182.	0.015	0.	55	0.00	163.	0.013	0.	46	0.00	137.	0.011
9923	16.96	16.96	0.	-5	0.08	-1.	0.000	0.	-4	0.08	-1.	0.000	0.	0.	0.01	0.	0.000
9924	16.96	16.96	0.	-5	0.08	-1.	0.000	0.	-4	0.08	-1.	0.000	0.	-4	0.07	-1.	0.000
9925	16.96	16.96	2125	-3	6.40	282.	0.012	1953	-2	5.89	259.	0.011	1749	-2	5.27	232.	0.010
9926	16.96	16.96	2829	1	8.45	386.	0.016	2623	1	7.83	358.	0.015	2390	1	7.14	327.	0.014

9927	16.96	16.96	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000	328	0.	0.97	46.	0.002
9928	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9929	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9930	16.96	16.96	1432	3	4.23	202.	0.009	1356	2	4.01	191.	0.008	1258	4	3.68	182.	0.008
9931	16.96	16.96	0.	-11	0.20	-3.	0.000	0.	-11	0.19	-3.	0.000	0.	-6	0.10	-2.	0.000
9932	16.96	16.96	0.	-3	0.06	-1.	0.000	0.	-3	0.06	-1.	0.000	207	-3	0.66	21.	0.001
9933	16.96	16.96	1985	0.	5.93	271.	0.011	1889	0.	5.64	258.	0.011	1845	0.	5.51	252.	0.011
9934	16.96	16.96	1166	5	3.38	172.	0.007	1085	4	3.15	159.	0.007	737	4	2.12	110.	0.005
9935	16.96	16.96	0.	-8	0.14	-2.	0.000	0.	-8	0.14	-2.	0.000	0.	-4	0.08	-1.	0.000
9936	16.96	16.96	2523	1	7.53	345.	0.014	2334	1	6.97	319.	0.013	2314	1	6.91	316.	0.013
9937	16.96	16.96	328	1	0.96	47.	0.002	308	1	0.91	44.	0.002	805	1	2.40	111.	0.005
9938	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9939	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9940	16.96	16.96	790	0.	2.36	108.	0.004	730	0.	2.18	100.	0.004	1219	0.	3.64	167.	0.007
9941	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	2	0.00	6.	0.000
9942	16.96	16.96	404	0.	1.21	55.	0.002	377	0.	1.13	51.	0.002	603	1	1.79	84.	0.004
9943	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9944	16.96	16.96	485	2	1.42	70.	0.003	452	1	1.32	65.	0.003	512	1	1.50	73.	0.003
9945	16.96	16.96	1787	0.	5.34	244.	0.010	1711	0.	5.11	233.	0.010	1694	0.	5.06	231.	0.010
9946	16.96	16.96	1260	0.	3.77	172.	0.007	1182	0.	3.53	161.	0.007	1228	0.	3.67	167.	0.007
9947	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	1	0.00	4.	0.000
9948	16.96	16.96	0.	16	0.00	46.	0.004	0.	14	0.00	43.	0.003	0.	5	0.00	14.	0.001
9949	16.96	16.96	2069	5	6.08	295.	0.013	1928	5	5.67	275.	0.012	1481	5	4.33	214.	0.009
9950	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	0.	0.000	143	0.	0.42	20.	0.001
9951	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9952	16.96	16.96	2427	1	7.23	334.	0.014	2241	1	6.68	308.	0.013	1995	1	5.94	275.	0.011
9953	16.96	16.96	1895	1	5.64	261.	0.011	1762	1	5.25	243.	0.010	1477	1	4.40	203.	0.008
9954	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9955	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9956	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9957	16.96	16.96	235	1	0.69	34.	0.001	360	0.	1.07	50.	0.002	100	1	0.29	15.	0.001
9958	16.96	16.96	2119	3	6.28	296.	0.012	1979	3	5.86	276.	0.012	1491	4	4.39	212.	0.009
9959	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	3.	0.000
9960	16.96	16.96	845	1	2.51	118.	0.005	793	1	2.35	110.	0.005	422	1	1.23	61.	0.003
9961	16.96	16.96	0.	4	0.00	12.	0.001	0.	3	0.00	10.	0.001	0.	2	0.00	6.	0.001
9962	16.96	16.96	196	3	0.51	35.	0.002	180	2	0.47	31.	0.001	294	2	0.83	46.	0.002
9963	16.96	16.96	2255	2	6.70	312.	0.013	2084	2	6.20	288.	0.012	1885	2	5.60	262.	0.011
9964	16.96	16.96	2620	2	7.79	362.	0.015	2471	2	7.35	341.	0.014	2417	2	7.19	333.	0.014
9965	16.96	16.96	1373	0.	4.11	187.	0.008	1280	0.	3.83	174.	0.007	1439	0.	4.30	196.	0.008
9966	16.96	16.96	726	0.	2.17	99.	0.004	686	0.	2.05	93.	0.004	829	0.	2.48	113.	0.005
9967	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	1.	0.000
9968	16.96	16.96	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000	0.	0.	0.00	1.	0.000
9969	16.96	16.96	2112	2	6.28	293.	0.012	1961	2	5.83	271.	0.011	1838	1	5.47	254.	0.011
9970	16.96	16.96	0.	2	0.00	6.	0.001	0.	2	0.00	5.	0.000	279	2	0.80	43.	0.002
9971	16.96	16.96	0.	4	0.00	10.	0.001	0.	3	0.00	9.	0.001	0.	2	0.00	5.	0.000
9972	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	1	0.00	2.	0.000
9973	16.96	16.96	0.	2	0.00	5.	0.000	0.	1	0.00	4.	0.000	693	2	2.04	99.	0.004
9974	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	1.	0.000	0.	1	0.00	2.	0.000
9975	16.96	16.96	1356	1	4.04	186.	0.008	1261	1	3.76	173.	0.007	1086	1	3.23	149.	0.006
9976	16.96	16.96	0.	6	0.00	18.	0.001	0.	5	0.00	16.	0.001	0.	4	0.00	12.	0.001
9977	16.96	16.96	829	3	2.41	122.	0.005	782	3	2.28	114.	0.005	595	3	1.72	89.	0.004
9978	16.96	16.96	2296	3	6.81	319.	0.013	2126	2	6.31	295.	0.012	1980	2	5.87	275.	0.012
9979	16.96	16.96	2633	2	7.83	365.	0.015	2496	2	7.42	345.	0.014	2430	2	7.22	336.	0.014
9980	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	-1	0.01	0.	0.000
9981	16.96	16.96	1392	0.	4.16	190.	0.008	1278	0.	3.82	174.	0.007	1225	0.	3.66	167.	0.007
9982	16.96	16.96	778	0.	2.33	106.	0.004	712	0.	2.13	97.	0.004	670	0.	2.00	91.	0.004
9983	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	91	0.	0.26	13.	0.001
9984	16.96	16.96	0.	2	0.00	6.	0.001	0.	2	0.00	6.	0.000	0.	1	0.00	4.	0.000
9985	16.96	16.96	568	-1	1.71	76.	0.003	512	0.	1.54	69.	0.003	321	0.	0.97	42.	0.002
9986	16.96	16.96	0.	-2	0.03	0.	0.000	0.	-1	0.02	0.	0.000	0.	-1	0.01	0.	0.000
9987	16.96	16.96	2119	3	6.28	295.	0.012	1970	2	5.85	274.	0.012	1884	2	5.59	262.	0.011
9988	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	7.	0.001
9989	16.96	16.96	0.	5	0.00	15.	0.001	0.	4	0.00	13.	0.001	0.	3	0.00	9.	0.001
9990	16.96	16.96	0.	-2	0.05	-1.	0.000	0.	-2	0.04	-1.	0.000	0.	-1	0.03	0.	0.000
9991	16.96	16.96	1446	3	4.26	206.	0.009	1336	3	3.93	190.	0.008	1263	3	3.72	179.	0.008
9992	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	1.	0.000
9993	16.96	16.96	1198	0.	3.58	164.	0.007	1109	0.	3.31	152.	0.006	1001	0.	2.99	137.	0.006
9994	16.96	16.96	0.	6	0.00	16.	0.001	0.	5	0.00	14.	0.001	0.	4	0.00	11.	0.001
9995	16.96	16.96	1137	3	3.34	163.	0.007	1046	3	3.07	149.	0.006	762	3	2.23	111.	0.005
9996	16.96	16.96	2354	3	6.98	327.	0.014	2187	2	6.49	304.	0.013	2060	2	6.11	286.	0.012
9997	16.96	16.96	2457	3	7.29	341.	0.014	2349	2	6.98	326.	0.014	2278	2	6.77	316.	0.013
9998	16.96	16.96	0.	-2	0.03	0.	0.000	0.	-1	0.02	0.	0.000	0.	-1	0.01	0.	0.000
9999	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	92	0.	0.28	12.	0.000
10000	16.96	16.96	1979	0.	5.91	270.	0.011	1827	0.	5.46	249.	0.010	1788	0.	5.34	244.	0.010

ARMATURA INFERIORE VERTICALE

			COMBINAZIONE RARA					COMBINAZIONE FREQUENTE					COMBINAZIONE QUASI PERMANENTE				
GUSCI	Af	Afc	Mom	Nor	σc	σf	WkR	Mom	Nor	σc	σf	WkF	Mom	Nor	σc	σf	WkP
9386	16.96	16.96	277	1	0.82	39.	0.002	306	0.	0.91	43.	0.002	342	0.	1.01	48.	0.002
9387	16.96	16.96	660	0.	1.97	91.	0.004	639	0.	1.90	88.	0.004	666	0.	1.98	92.	0.004
9388	16.96	16.96	506	1	1.50	71.	0.003	497	1	1.47	69.	0.003	577	1	1.71	80.	0.003
9389	16.96	16.96	669	1	1.99	93.	0.004	680	1	2.02	94.	0.004	647	0.	1.93	89.	0.004
9390	16.96	16.96	855	1	2.54	119.	0.005	809	1	2.40	112.	0.005	718	1	2.13	100.	0.004
9391	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	64	0.	0.18	10.	0.000
9392	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9393	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9394	16.96	16.96	493	1	1.46	70.	0.003	462	1	1.36	65.	0.003	537	1	1.59	75.	0.003
9395	16.96	16.96	352	0.	1.05	48.	0.002	352	0.	1.05	48.	0.002	516	0.	1.54	70.	0.003
9396	16.96	16.96	1053	0.	3.14	144.	0.006	1018	0.	3.04	139.	0.006	970	0.	2.90	133.	0.006
9397	16.96	16.96	661	1	1.96	92.	0.004	679	1	2.01	94.	0.004	818	1	2.43	114.	0.005
9398	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	3.	0.000
9399	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9400	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000
9401	16.96	16.96	661	1	1.96	92.	0.004	640	1	1.90	89.	0.004	884	1	2.63	122.	0.005
9402	16.96	16.96	1425	1	4.24	197.	0.008	1344	1	4.00	186.	0.008	1151	1	3.42	159.	0.007
9403	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9404	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9405	16.96	16.96	795	0.	2.38	108.	0.005	785	0.	2.35	107.	0.004	887	0.	2.65	121.	0.005
9406	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000
9407	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9408	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9409	16.96	16.96	935	1	2.77	131.	0.006	880	1	2.61	123.	0.005	994	1	2.95	138.	0.006

9410	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	3.	0.000
9411	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000
9412	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	0.	0.000
9413	16.96	16.96	1295	0.	3.87	176.	0.007	1259	0.	3.77	171.	0.007	1197	0.	3.58	163.	0.007
9414	16.96	16.96	775	1	2.30	107.	0.004	739	1	2.20	102.	0.004	597	1	1.77	83.	0.003
9415	16.96	16.96	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.000	0.	2	0.00	5.	0.000
9416	16.96	16.96	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000	0.	1	0.00	4.	0.000
9417	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9418	16.96	16.96	0.	2	0.00	6.	0.000	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000
9419	16.96	16.96	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001
9420	16.96	16.96	712	1	2.10	100.	0.004	675	1	2.00	95.	0.004	684	1	2.02	96.	0.004
9421	16.96	16.96	1709	1	5.08	236.	0.010	1611	1	4.79	222.	0.009	1446	1	4.30	200.	0.008
9422	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000
9423	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000
9424	16.96	16.96	0.	-1	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000
9425	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9426	16.96	16.96	824	0.	2.46	112.	0.005	779	0.	2.33	106.	0.004	677	0.	2.02	92.	0.004
9427	16.96	16.96	803	0.	2.39	110.	0.005	791	0.	2.36	109.	0.005	635	0.	1.89	88.	0.004
9428	16.96	16.96	805	0.	2.40	111.	0.005	787	0.	2.34	108.	0.005	898	1	2.68	124.	0.005
9429	16.96	16.96	679	1	2.02	94.	0.004	649	1	1.93	90.	0.004	675	0.	2.01	93.	0.004
9430	16.96	16.96	416	1	1.22	59.	0.003	444	1	1.31	63.	0.003	441	1	1.30	63.	0.003
9431	16.96	16.96	0.	3	0.00	10.	0.001	0.	3	0.00	9.	0.001	0.	3	0.00	9.	0.001
9432	16.96	16.96	695	2	2.05	99.	0.004	656	1	1.94	93.	0.004	723	1	2.13	102.	0.004
9433	16.96	16.96	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000
9434	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	5.	0.000
9435	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000
9436	16.96	16.96	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000
9437	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000
9438	16.96	16.96	1289	0.	3.86	174.	0.007	1255	0.	3.76	170.	0.007	1228	0.	3.68	166.	0.007
9439	16.96	16.96	928	0.	2.77	127.	0.005	898	0.	2.68	123.	0.005	698	0.	2.08	96.	0.004
9440	16.96	16.96	0.	2	0.00	6.	0.000	0.	2	0.00	6.	0.000	0.	2	0.00	6.	0.000
9441	16.96	16.96	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000
9442	16.96	16.96	782	2	2.30	111.	0.005	790	2	2.33	112.	0.005	750	2	2.21	106.	0.005
9443	16.96	16.96	1152	2	3.40	163.	0.007	1108	2	3.27	157.	0.007	974	2	2.87	138.	0.006
9444	16.96	16.96	0.	4	0.00	10.	0.001	0.	3	0.00	9.	0.001	0.	2	0.00	7.	0.001
9445	16.96	16.96	1078	1	3.20	150.	0.006	1011	1	3.00	141.	0.006	1090	1	3.24	151.	0.006
9446	16.96	16.96	1911	2	5.68	264.	0.011	1792	1	5.33	248.	0.010	1726	1	5.13	239.	0.010
9447	16.96	16.96	418	1	1.22	61.	0.003	338	1	0.98	50.	0.002	356	1	1.04	52.	0.002
9448	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9449	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9450	16.96	16.96	765	0.	2.29	104.	0.004	785	0.	2.35	107.	0.004	559	0.	1.67	76.	0.003
9451	16.96	16.96	885	0.	2.64	121.	0.005	828	0.	2.47	113.	0.005	667	0.	1.99	91.	0.004
9452	16.96	16.96	1339	0.	3.99	183.	0.008	1324	0.	3.95	181.	0.008	1274	0.	3.80	175.	0.007
9453	16.96	16.96	1123	1	3.34	155.	0.006	1102	1	3.28	152.	0.006	1048	1	3.12	145.	0.006
9454	16.96	16.96	801	1	2.37	112.	0.005	785	1	2.33	110.	0.005	809	1	2.40	113.	0.005
9455	16.96	16.96	1115	3	3.28	159.	0.007	1054	2	3.10	150.	0.006	713	2	2.08	103.	0.004
9456	16.96	16.96	0.	4	0.00	13.	0.001	0.	4	0.00	12.	0.001	0.	4	0.00	12.	0.001
9457	16.96	16.96	343	2	0.98	52.	0.002	316	2	0.91	48.	0.002	531	2	1.55	77.	0.003
9458	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	3	0.00	8.	0.001
9459	16.96	16.96	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001	0.	2	0.00	6.	0.000
9460	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	78	0.	0.24	10.	0.000
9461	16.96	16.96	505	0.	1.52	68.	0.003	392	0.	1.18	53.	0.002	303	0.	0.91	41.	0.002
9462	16.96	16.96	796	0.	2.39	107.	0.004	676	0.	2.03	91.	0.004	427	0.	1.28	57.	0.002
9463	16.96	16.96	1136	0.	3.41	153.	0.006	1095	0.	3.28	148.	0.006	1064	0.	3.19	143.	0.006
9464	16.96	16.96	906	0.	2.71	124.	0.005	885	0.	2.64	121.	0.005	950	0.	2.84	129.	0.005
9465	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9466	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9467	16.96	16.96	1297	0.	3.88	176.	0.007	1281	0.	3.83	174.	0.007	1260	0.	3.77	171.	0.007
9468	16.96	16.96	1028	2	3.04	144.	0.006	863	1	2.55	121.	0.005	873	1	2.58	123.	0.005
9469	16.96	16.96	1504	2	4.46	210.	0.009	1244	2	3.68	174.	0.007	1197	2	3.54	168.	0.007
9470	16.96	16.96	1735	2	5.14	242.	0.010	1614	2	4.78	225.	0.009	1497	2	4.44	209.	0.009
9471	16.96	16.96	0.	2	0.00	4.	0.000	0.	1	0.00	4.	0.000	111	1	0.30	19.	0.001
9472	16.96	16.96	1001	2	2.94	143.	0.006	899	2	2.64	128.	0.005	753	2	2.21	108.	0.005
9473	16.96	16.96	1065	-1	3.20	143.	0.006	949	-1	2.85	128.	0.005	736	-1	2.21	99.	0.004
9474	16.96	16.96	0.	-1	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	-1	0.01	0.	0.000
9475	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	0.	0.000
9476	16.96	16.96	834	0.	2.50	113.	0.005	886	0.	2.65	120.	0.005	739	0.	2.21	100.	0.004
9477	16.96	16.96	997	0.	2.98	136.	0.006	875	0.	2.61	119.	0.005	807	0.	2.41	110.	0.005
9478	16.96	16.96	900	1	2.68	124.	0.005	882	1	2.63	122.	0.005	702	1	2.09	97.	0.004
9479	16.96	16.96	833	1	2.47	117.	0.005	820	1	2.43	114.	0.005	667	1	1.97	94.	0.004
9480	16.96	16.96	785	1	2.32	110.	0.005	768	1	2.27	108.	0.005	953	1	2.82	133.	0.006
9481	16.96	16.96	683	1	2.02	96.	0.004	653	1	1.93	92.	0.004	745	1	2.20	104.	0.004
9482	16.96	16.96	1256	3	3.70	178.	0.008	1182	2	3.49	167.	0.007	1058	2	3.11	150.	0.006
9483	16.96	16.96	0.	4	0.00	12.	0.001	0.	4	0.00	11.	0.001	0.	4	0.00	11.	0.001
9484	16.96	16.96	1092	0.	3.27	148.	0.006	1073	0.	3.21	145.	0.006	1054	0.	3.16	142.	0.006
9485	16.96	16.96	453	1	1.33	65.	0.003	448	1	1.32	64.	0.003	483	1	1.42	68.	0.003
9486	16.96	16.96	861	1	2.55	120.	0.005	869	1	2.58	121.	0.005	840	1	2.49	117.	0.005
9487	16.96	16.96	1385	2	4.11	192.	0.008	1312	1	3.90	182.	0.008	1129	1	3.35	157.	0.007
9488	16.96	16.96	1062	2	3.13	150.	0.006	1015	2	3.00	143.	0.006	735	2	2.17	104.	0.004
9489	16.96	16.96	395	2	1.13	60.	0.003	387	2	1.11	58.	0.003	437	2	1.27	64.	0.003
9490	16.96	16.96	1877	2	5.56	262.	0.011	1776	2	5.27	247.	0.010	1669	2	4.95	233.	0.010
9491	16.96	16.96	1971	3	5.84	275.	0.012	1833	2	5.43	256.	0.011	1713	2	5.08	239.	0.010
9492	16.96	16.96	0.	-2	0.03	-1.	0.000	0.	-2	0.03	0.	0.000	0.	-2	0.03	0.	0.000
9493	16.96	16.96	1169	-1	3.51	157.	0.007	1077	-1	3.23	145.	0.006	1006	-1	3.02	135.	0.006
9494	16.96	16.96	856	0.	2.55	118.	0.005	984	0.	2.94	135.	0.006	907	0.	2.71	124.	0.005
9495	16.96	16.96	0.	2	0.00	7.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	7.	0.001
9496	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.001
9497	16.96	16.96	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000	0.	1	0.00	4.	0.000
9498	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9499	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9500	16.96	16.96	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9501	16.96	16.96	0.	2	0.00	6.	0.000	0.	2	0.00	5.	0.000	0.	1	0.00	4.	0.000
9502	16.96	16.96	0.	4	0.00	12.	0.001	0.	4	0.00	11.	0.001	0.	3	0.00	8.	0.001
9503	16.96	16.96	0.	4	0.00	12.	0.001	0.	4	0.00	11.	0.001	0.	3	0.00	8.	0.001
9504	16.96	16.96	2547	3	7.56	353.	0.015	2369	2	7.04	329.	0.014	2237	2	6.65	310.	0.013
9505	16.96	16.96	2301	3	6.82	321.	0.014	2127	3	6.31	297.	0.012	1790	3	5.30	251.	0.011
9506	16.96	16.96	3032	3	9.00	422.	0.018	2818	3	8.37	392.	0.016	2600	3	7.72	361.	0.015
9507	16.96	16.96	2980	4	8.83	416.	0.017	2782	3	8.25	388.	0.016	2664	3	7.90	371.	0.016
9508	16.96	16.96	996	5	2.87	149.	0.006	932	5	2.69	139.	0.006	1325	4	3.88	191.	0.008
9509	16.96	16.96	384	2	1.09	59.	0.003	466	2	1.35	69.	0.003	147	2	0.38	26.	0.001
9510	16.96	16.96	2624	-2	7.89	351.	0.015	2238	-2	6.73	299.	0.012	1121	-2	3.38	148.	0.006
9511	16.96	16.96	2604	1	7.77	357.	0.015	2390	1	7.13	327.	0.014	2306	1	6.88	316.	0.013

9512	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9513	16.96	16.96	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000
9514	16.96	16.96	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000	0.	1	0.00	4.	0.000
9515	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9516	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9517	16.96	16.96	1703	3	5.03	240.	0.010	1562	3	4.61	220.	0.009	1248	3	3.67	178.	0.008
9518	16.96	16.96	850	1	2.52	119.	0.005	794	1	2.36	111.	0.005	857	1	2.55	119.	0.005
9519	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	115	1	0.33	18.	0.001
9520	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000
9521	16.96	16.96	871	1	2.59	120.	0.005	814	0.	2.43	112.	0.005	843	0.	2.51	116.	0.005
9522	16.96	16.96	1272	0.	3.81	173.	0.007	1215	0.	3.64	165.	0.007	1172	0.	3.50	159.	0.007
9523	16.96	16.96	566	0.	1.69	77.	0.003	546	0.	1.63	74.	0.003	920	0.	2.75	125.	0.005
9524	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	0.	0.000
9525	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	0.	0.000
9526	16.96	16.96	821	0.	2.46	112.	0.005	801	0.	2.40	109.	0.005	854	0.	2.56	116.	0.005
9527	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9528	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9529	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	3.	0.000
9530	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	4.	0.000
9531	16.96	16.96	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000	0.	2	0.00	6.	0.000
9532	16.96	16.96	2940	2	8.76	405.	0.017	2744	2	8.17	378.	0.016	2618	2	7.80	360.	0.015
9533	16.96	16.96	3113	1	9.28	427.	0.018	2914	1	8.69	400.	0.017	2808	1	8.37	385.	0.016
9534	16.96	16.96	2860	2	8.51	395.	0.017	2671	2	7.95	369.	0.015	2534	2	7.54	350.	0.015
9535	16.96	16.96	2695	3	8.00	375.	0.016	2504	3	7.43	348.	0.015	2272	3	6.74	316.	0.013
9536	16.96	16.96	3287	4	9.75	457.	0.019	3064	3	9.09	426.	0.018	2915	3	8.65	405.	0.017
9537	16.96	16.96	3235	5	9.58	452.	0.019	3021	4	8.95	422.	0.018	2875	4	8.52	402.	0.017
9538	16.96	16.96	1092	6	3.13	166.	0.007	1042	6	2.99	157.	0.007	1448	5	4.23	210.	0.009
9539	16.96	16.96	1960	4	5.77	278.	0.012	1820	4	5.36	258.	0.011	1709	4	5.03	243.	0.010
9540	16.96	16.96	0.	3	0.00	10.	0.001	0.	3	0.00	8.	0.001	0.	3	0.00	9.	0.001
9541	16.96	16.96	6396	0.	19.12	871.	0.036	5879	0.	17.57	801.	0.033	5539	0.	16.56	755.	0.031
9542	16.96	16.96	5964	0.	17.84	811.	0.034	5503	0.	16.46	748.	0.031	5049	0.	15.10	687.	0.029
9543	16.96	16.96	123	1	0.36	18.	0.001	144	0.	0.42	21.	0.001	119	0.	0.35	17.	0.001
9544	16.96	16.96	1171	0.	3.51	158.	0.007	782	0.	2.35	105.	0.004	972	0.	2.91	131.	0.005
9545	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.01	0.	0.000
9546	16.96	16.96	1152	0.	3.45	156.	0.006	1118	0.	3.35	152.	0.006	1069	0.	3.20	145.	0.006
9547	16.96	16.96	797	0.	2.38	109.	0.005	775	0.	2.32	106.	0.004	896	0.	2.68	122.	0.005
9548	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9549	16.96	16.96	810	0.	2.42	111.	0.005	878	0.	2.62	120.	0.005	649	0.	1.94	89.	0.004
9550	16.96	16.96	804	1	2.39	111.	0.005	791	0.	2.36	109.	0.005	639	1	1.90	88.	0.004
9551	16.96	16.96	765	1	2.27	106.	0.004	749	1	2.23	103.	0.004	933	1	2.77	129.	0.005
9552	16.96	16.96	670	1	1.99	93.	0.004	641	1	1.90	89.	0.004	732	1	2.18	101.	0.004
9553	16.96	16.96	2444	1	7.29	335.	0.014	2279	1	6.80	312.	0.013	1840	1	5.48	254.	0.011
9554	16.96	16.96	1931	2	5.73	269.	0.011	1790	2	5.31	249.	0.010	1541	2	4.56	216.	0.009
9555	16.96	16.96	0.	4	0.00	12.	0.001	0.	4	0.00	11.	0.001	0.	4	0.00	11.	0.001
9556	16.96	16.96	0.	2	0.00	6.	0.000	0.	2	0.00	5.	0.000	0.	2	0.00	4.	0.000
9557	16.96	16.96	848	0.	2.53	116.	0.005	790	0.	2.36	108.	0.005	683	0.	2.03	94.	0.004
9558	16.96	16.96	1349	0.	4.04	183.	0.008	1296	0.	3.88	176.	0.007	1261	0.	3.77	171.	0.007
9559	16.96	16.96	781	0.	2.34	106.	0.004	752	0.	2.25	102.	0.004	657	0.	1.97	89.	0.004
9560	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9561	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000
9562	16.96	16.96	813	0.	2.44	110.	0.005	789	0.	2.36	107.	0.004	638	0.	1.91	86.	0.004
9563	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	0.	0.000
9564	16.96	16.96	448	1	1.33	63.	0.003	434	1	1.29	61.	0.003	469	1	1.39	65.	0.003
9565	16.96	16.96	841	1	2.50	117.	0.005	767	1	2.28	107.	0.004	820	1	2.44	114.	0.005
9566	16.96	16.96	1349	1	4.02	186.	0.008	1196	1	3.56	165.	0.007	1099	1	3.27	152.	0.006
9567	16.96	16.96	1033	1	3.07	142.	0.006	947	1	2.82	131.	0.005	706	1	2.10	98.	0.004
9568	16.96	16.96	439	1	1.30	62.	0.003	424	1	1.25	60.	0.003	381	1	1.13	54.	0.002
9569	16.96	16.96	2469	0.	7.38	336.	0.014	2316	0.	6.92	315.	0.013	2040	0.	6.09	279.	0.012
9570	16.96	16.96	2282	4	6.74	321.	0.014	2126	4	6.29	299.	0.013	2009	3	5.94	283.	0.012
9571	16.96	16.96	1143	6	3.29	171.	0.007	1100	5	3.18	164.	0.007	818	5	2.34	125.	0.005
9572	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	1.	0.000
9573	16.96	16.96	8793	0.	26.29	1197.	0.050	8140	0.	24.34	1108.	0.046	6714	0.	20.07	914.	0.038
9574	16.96	16.96	5756	0.	17.22	783.	0.033	5331	0.	15.95	725.	0.030	4137	0.	12.38	562.	0.023
9575	16.96	16.96	1208	0.	3.62	164.	0.007	897	0.	2.69	121.	0.005	846	0.	2.53	114.	0.005
9576	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000
9577	16.96	16.96	1346	0.	4.03	182.	0.008	1311	0.	3.93	178.	0.007	1238	0.	3.71	168.	0.007
9578	16.96	16.96	714	0.	2.14	97.	0.004	695	0.	2.08	95.	0.004	655	0.	1.96	89.	0.004
9579	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9580	16.96	16.96	833	0.	2.49	114.	0.005	932	0.	2.79	127.	0.005	778	0.	2.33	106.	0.004
9581	16.96	16.96	1284	0.	3.84	174.	0.007	1269	0.	3.79	172.	0.007	1241	0.	3.71	169.	0.007
9582	16.96	16.96	1315	0.	3.92	180.	0.007	1301	0.	3.89	178.	0.007	1258	0.	3.75	172.	0.007
9583	16.96	16.96	1107	1	3.30	152.	0.006	1087	1	3.24	149.	0.006	1034	1	3.08	143.	0.006
9584	16.96	16.96	790	1	2.35	110.	0.005	775	1	2.30	107.	0.004	799	1	2.37	111.	0.005
9585	16.96	16.96	3125	0.	9.35	425.	0.018	2806	0.	8.39	382.	0.016	2651	0.	7.93	361.	0.015
9586	16.96	16.96	0.	2	0.00	5.	0.000	0.	2	0.00	4.	0.000	0.	1	0.00	4.	0.000
9587	16.96	16.96	981	0.	2.94	133.	0.006	915	0.	2.74	124.	0.005	689	0.	2.06	93.	0.004
9588	16.96	16.96	1329	0.	3.98	180.	0.007	1286	0.	3.85	174.	0.007	1191	0.	3.57	161.	0.007
9589	16.96	16.96	882	0.	2.64	119.	0.005	840	0.	2.52	114.	0.005	660	0.	1.98	89.	0.004
9590	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9591	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9592	16.96	16.96	922	-1	2.77	124.	0.005	893	0.	2.68	120.	0.005	646	0.	1.94	87.	0.004
9593	16.96	16.96	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9594	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9595	16.96	16.96	891	1	2.65	123.	0.005	860	1	2.56	119.	0.005	852	1	2.54	118.	0.005
9596	16.96	16.96	1251	1	3.73	172.	0.007	1190	1	3.55	163.	0.007	1181	1	3.52	162.	0.007
9597	16.96	16.96	1650	0.	4.93	226.	0.009	1565	0.	4.67	214.	0.009	1473	0.	4.40	202.	0.008
9598	16.96	16.96	1836	0.	5.48	250.	0.010	1736	0.	5.19	237.	0.010	1661	0.	4.96	227.	0.009
9599	16.96	16.96	1662	6	4.84	243.	0.010	1589	5	4.64	231.	0.010	1394	5	4.06	203.	0.009
9600	16.96	16.96	1754	1	5.23	240.	0.010	1583	1	4.72	217.	0.009	1873	0.	5.59	256.	0.011
9601	16.96	16.96	0.	-1	0.02	0.	0.000	0.	-1	0.02	0.	0.000	0.	0.	0.00	0.	0.000
9602	16.96	16.96	1025	0.	3.07	139.	0.006	688	0.	2.06	93.	0.004	455	0.	1.36	61.	0.003
9603	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9604	16.96	16.96	1326	0.	3.97	179.	0.007	1298	0.	3.89	175.	0.007	1203	0.	3.61	162.	0.007
9605	16.96	16.96	915	0.	2.74	124.	0.005	892	0.	2.67	121.	0.005	646	0.	1.94	87.	0.004
9606	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9607	16.96	16.96	1119	0.	3.35	151.	0.006	1068	0.	3.20	145.	0.006	1000	0.	3.00	135.	0.006
9608	16.96	16.96	848	1	2.52	117.	0.005	834	1	2.48	115.	0.005	665	1	1.98	92.	0.004
9609	16.96	16.96	796	1	2.36	111.	0.005	785	1	2.33	109.	0.005	628	1	1.86	88.	0.004
9610	16.96	16.96	725	1	2.15	102.	0.004	711	1	2.10	99.	0.004	888	1	2.63	124.	0.005
9611	16.96	16.96	575	1	1.70	80.	0.003	567	1	1.68	79.	0.003	660	1	1.96	92.	0.004
9612	16.96	16.96	2174	3	6.44	304.	0.013	2028	3	6.01	283.	0.012	1510	2	4.47	212.	0.009
9613	16.96	16.96	1530	0.	4.58	207.	0.009	1516	0.	4.54	205.	0.009	1296	0.	3.88	176.	0.007

9614	16.96	16.96	0.	10	0.00	30.	0.002	0.	9	0.00	28.	0.002	0.	2	0.00	5.	0.000
9615	16.96	16.96	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9616	16.96	16.96	858	0.	2.57	116.	0.005	825	0.	2.47	111.	0.005	581	0.	1.74	78.	0.003
9617	16.96	16.96	1200	-1	3.60	161.	0.007	1155	-1	3.47	155.	0.006	1018	-1	3.06	136.	0.006
9618	16.96	16.96	902	-1	2.71	121.	0.005	870	-1	2.61	117.	0.005	719	-1	2.16	96.	0.004
9619	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9620	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9621	16.96	16.96	928	-1	2.79	125.	0.005	905	0.	2.72	122.	0.005	671	0.	2.01	90.	0.004
9622	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9623	16.96	16.96	823	0.	2.46	112.	0.005	796	0.	2.38	108.	0.004	644	0.	1.93	87.	0.004
9624	16.96	16.96	725	0.	2.17	99.	0.004	756	0.	2.26	103.	0.004	799	0.	2.39	109.	0.005
9625	16.96	16.96	418	0.	1.24	58.	0.002	400	0.	1.19	56.	0.002	435	0.	1.29	60.	0.003
9626	16.96	16.96	831	1	2.47	115.	0.005	791	1	2.35	110.	0.005	751	1	2.23	104.	0.004
9627	16.96	16.96	759	1	2.25	107.	0.004	733	1	2.17	103.	0.004	974	1	2.89	135.	0.006
9628	16.96	16.96	733	1	2.17	103.	0.004	697	1	2.06	98.	0.004	707	1	2.09	99.	0.004
9629	16.96	16.96	1042	1	3.10	144.	0.006	984	1	2.93	136.	0.006	1044	1	3.11	144.	0.006
9630	16.96	16.96	1786	9	5.15	266.	0.012	1706	8	4.94	253.	0.011	1553	7	4.49	231.	0.010
9631	16.96	16.96	2180	0.	6.51	297.	0.012	2041	0.	6.10	278.	0.012	1693	0.	5.05	232.	0.010
9632	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9633	16.96	16.96	1158	-1	3.48	155.	0.006	1124	-1	3.37	151.	0.006	991	-1	2.98	133.	0.006
9634	16.96	16.96	895	-1	2.69	120.	0.005	880	-1	2.64	118.	0.005	648	-1	1.95	87.	0.004
9635	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9636	16.96	16.96	910	0.	2.73	123.	0.005	880	0.	2.64	119.	0.005	659	0.	1.98	89.	0.004
9637	16.96	16.96	916	0.	2.73	126.	0.005	905	0.	2.70	124.	0.005	840	0.	2.51	115.	0.005
9638	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	7.	0.001
9639	16.96	16.96	0.	3	0.00	8.	0.001	0.	3	0.00	7.	0.001	0.	2	0.00	6.	0.001
9640	16.96	16.96	0.	2	0.00	5.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	3.	0.000
9641	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9642	16.96	16.96	2964	3	8.81	411.	0.017	2758	2	8.20	382.	0.016	2610	2	7.76	361.	0.015
9643	16.96	16.96	2310	1	6.89	317.	0.013	2141	1	6.39	293.	0.012	2114	1	6.30	290.	0.012
9644	16.96	16.96	996	0.	2.98	136.	0.006	966	0.	2.89	132.	0.005	1086	0.	3.25	148.	0.006
9645	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000
9646	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000
9647	16.96	16.96	515	0.	1.54	69.	0.003	459	0.	1.38	62.	0.003	396	0.	1.19	53.	0.002
9648	16.96	16.96	529	-1	1.59	71.	0.003	510	0.	1.54	68.	0.003	313	0.	0.94	42.	0.002
9649	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	0.	0.000
9650	16.96	16.96	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9651	16.96	16.96	516	0.	1.54	70.	0.003	425	0.	1.27	58.	0.002	404	0.	1.21	55.	0.002
9652	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9653	16.96	16.96	1308	0.	3.92	177.	0.007	1276	0.	3.82	173.	0.007	1238	0.	3.71	168.	0.007
9654	16.96	16.96	1113	0.	3.33	151.	0.006	1081	0.	3.24	147.	0.006	1052	0.	3.15	143.	0.006
9655	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9656	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9657	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000
9658	16.96	16.96	0.	3	0.00	7.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.000
9659	16.96	16.96	0.	3	0.00	9.	0.001	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001
9660	16.96	16.96	0.	7	0.00	22.	0.002	0.	7	0.00	19.	0.002	524	4	1.46	84.	0.004
9661	16.96	16.96	552	0.	1.66	74.	0.003	471	0.	1.42	63.	0.003	402	0.	1.21	54.	0.002
9662	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	0.	0.000
9663	16.96	16.96	1358	0.	4.07	183.	0.008	1334	0.	4.00	180.	0.007	1255	0.	3.76	169.	0.007
9664	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9665	16.96	16.96	0.	2	0.00	5.	0.000	0.	1	0.00	4.	0.000	0.	2	0.00	5.	0.000
9666	16.96	16.96	0.	2	0.00	5.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000
9667	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000
9668	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9669	16.96	16.96	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.000	25	1	0.00	7.	0.000
9670	16.96	16.96	2554	3	7.58	355.	0.015	2377	2	7.06	330.	0.014	2352	2	6.99	326.	0.014
9671	16.96	16.96	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.001	0.	0.	0.00	0.	0.000
9672	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	6.	0.000	0.	1	0.00	4.	0.000
9673	16.96	16.96	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.000	0.	1	0.00	3.	0.000
9674	16.96	16.96	358	0.	1.07	49.	0.002	339	0.	1.01	46.	0.002	518	0.	1.55	70.	0.003
9675	16.96	16.96	675	0.	2.02	92.	0.004	640	0.	1.91	87.	0.004	470	0.	1.41	63.	0.003
9676	16.96	16.96	0.	3	0.00	9.	0.001	0.	3	0.00	7.	0.001	0.	1	0.00	4.	0.000
9677	16.96	16.96	0.	3	0.00	10.	0.001	0.	3	0.00	9.	0.001	0.	2	0.00	5.	0.000
9678	16.96	16.96	522	0.	1.56	71.	0.003	423	0.	1.26	58.	0.002	456	0.	1.36	62.	0.003
9679	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	0.	0.000
9680	16.96	16.96	680	0.	2.04	92.	0.004	665	0.	1.99	90.	0.004	631	0.	1.89	86.	0.004
9681	16.96	16.96	653	0.	1.95	89.	0.004	638	0.	1.91	87.	0.004	813	0.	2.43	111.	0.005
9682	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9683	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9684	16.96	16.96	0.	2	0.00	6.	0.000	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000
9685	16.96	16.96	0.	4	0.00	11.	0.001	0.	3	0.00	10.	0.001	0.	3	0.00	9.	0.001
9686	16.96	16.96	0.	5	0.00	13.	0.001	0.	4	0.00	12.	0.001	0.	4	0.00	11.	0.001
9687	16.96	16.96	3743	0.	11.19	509.	0.021	3505	0.	10.48	477.	0.020	3252	0.	9.72	443.	0.018
9688	16.96	16.96	1365	0.	4.08	185.	0.008	1266	0.	3.79	172.	0.007	1103	-1	3.31	148.	0.006
9689	16.96	16.96	1346	0.	4.02	183.	0.008	1271	0.	3.80	173.	0.007	1108	0.	3.32	150.	0.006
9690	16.96	16.96	469	0.	1.40	64.	0.003	383	0.	1.15	52.	0.002	476	0.	1.43	64.	0.003
9691	16.96	16.96	0.	3	0.00	10.	0.001	0.	3	0.00	9.	0.001	0.	1	0.00	4.	0.000
9692	16.96	16.96	0.	3	0.00	8.	0.001	0.	3	0.00	8.	0.001	0.	1	0.00	4.	0.000
9693	16.96	16.96	893	0.	2.67	121.	0.005	870	0.	2.60	118.	0.005	625	0.	1.87	85.	0.004
9694	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9695	16.96	16.96	868	0.	2.60	118.	0.005	848	0.	2.54	115.	0.005	660	0.	1.97	90.	0.004
9696	16.96	16.96	803	0.	2.40	110.	0.005	786	0.	2.35	107.	0.004	628	0.	1.87	86.	0.004
9697	16.96	16.96	837	0.	2.50	115.	0.005	810	0.	2.42	111.	0.005	927	0.	2.76	127.	0.005
9698	16.96	16.96	735	0.	2.19	101.	0.004	692	0.	2.06	95.	0.004	712	0.	2.12	98.	0.004
9699	16.96	16.96	0.	3	0.00	10.	0.001	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001
9700	16.96	16.96	2306	3	6.84	321.	0.013	2131	2	6.32	296.	0.012	1748	2	5.18	244.	0.010
9701	16.96	16.96	0.	5	0.00	16.	0.001	0.	5	0.00	14.	0.001	0.	4	0.00	12.	0.001
9702	16.96	16.96	0.	5	0.00	16.	0.001	0.	5	0.00	14.	0.001	0.	4	0.00	12.	0.001
9703	16.96	16.96	247	0.	0.74	34.	0.001	234	0.	0.70	32.	0.001	308	0.	0.92	42.	0.002
9704	16.96	16.96	912	1	2.70	127.	0.005	849	1	2.52	118.	0.005	685	0.	2.04	95.	0.004
9705	16.96	16.96	0.	5	0.00	14.	0.001	0.	4	0.00	12.	0.001	0.	4	0.00	11.	0.001
9706	16.96	16.96	0.	5	0.00	16.	0.001	0.	5	0.00	14.	0.001	0.	4	0.00	11.	0.001
9707	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9708	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000
9709	16.96	16.96	447	1	1.32	63.	0.003	454	1	1.34	64.	0.003	448	1	1.32	63.	0.003
9710	16.96	16.96	812	1	2.40	114.	0.005	814	1	2.41	114.	0.005	770	1	2.28	108.	0.005
9711	16.96	16.96	771	2	2.26	111.	0.005	741	2	2.18	106.	0.005	991	2	2.92	140.	0.006
9712	16.96	16.96	712	2	2.08	104.	0.004	678	2	1.98	98.	0.004	698	2	2.04	101.	0.004
9713	16.96	16.96	1019	2	3.00	145.	0.006	960	2	2.83	136.	0.006	1047	2	3.09	148.	0.006
9714	16.96	16.96	1771	1	5.27	244.	0.010	1730	1	5.15	239.	0.010	1828	1	5.45	251.	0.010
9715	16.96	16.96	0.	5	0.00	14.	0.001	0.	4	0.00	13.	0.001	980	3	2.87	142.	0.006

9716	16.96	16.96	36	0.	0.11	4.	0.000	0.	0.	0.01	0.	0.000	319	-1	0.97	42.	0.002
9717	16.96	16.96	1650	1	4.92	227.	0.009	1536	1	4.58	211.	0.009	1408	0.	4.20	193.	0.008
9718	16.96	16.96	438	1	1.30	61.	0.003	433	1	1.28	60.	0.003	443	0.	1.32	61.	0.003
9719	16.96	16.96	0.	4	0.00	13.	0.001	0.	4	0.00	11.	0.001	0.	3	0.00	10.	0.001
9720	16.96	16.96	0.	5	0.00	16.	0.001	0.	4	0.00	12.	0.001	0.	3	0.00	9.	0.001
9721	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000
9722	16.96	16.96	985	0.	2.95	134.	0.006	963	0.	2.88	131.	0.005	800	0.	2.40	108.	0.005
9723	16.96	16.96	1435	0.	4.30	195.	0.008	1381	0.	4.13	187.	0.008	1338	0.	4.00	182.	0.008
9724	16.96	16.96	1448	0.	4.32	198.	0.008	1397	0.	4.17	191.	0.008	1345	0.	4.01	184.	0.008
9725	16.96	16.96	1207	1	3.59	166.	0.007	1154	1	3.44	159.	0.007	1135	1	3.38	156.	0.007
9726	16.96	16.96	897	1	2.66	125.	0.005	853	1	2.53	118.	0.005	887	1	2.64	123.	0.005
9727	16.96	16.96	2131	2	6.33	296.	0.012	1962	2	5.83	272.	0.011	2008	2	5.97	278.	0.012
9728	16.96	16.96	2942	2	8.75	407.	0.017	2734	2	8.13	378.	0.016	2545	2	7.57	352.	0.015
9729	16.96	16.96	0.	10	0.00	31.	0.002	0.	10	0.00	29.	0.002	0.	7	0.00	22.	0.002
9730	16.96	16.96	708	-3	2.18	87.	0.004	921	-3	2.81	117.	0.005	895	-1	2.70	119.	0.005
9731	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.01	0.	0.000
9732	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9733	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9734	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9735	16.96	16.96	1006	1	2.98	140.	0.006	951	1	2.82	133.	0.006	918	1	2.72	128.	0.005
9736	16.96	16.96	1361	2	4.03	190.	0.008	1284	2	3.81	179.	0.008	1230	2	3.65	171.	0.007
9737	16.96	16.96	1749	2	5.19	243.	0.010	1651	2	4.90	229.	0.010	1538	2	4.57	214.	0.009
9738	16.96	16.96	1942	2	5.77	269.	0.011	1825	2	5.43	252.	0.011	1727	1	5.13	239.	0.010
9739	16.96	16.96	468	1	1.37	67.	0.003	480	1	1.41	69.	0.003	614	1	1.82	86.	0.004
9740	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000
9741	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	0.	0.000
9742	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9743	16.96	16.96	1301	0.	3.90	176.	0.007	1245	0.	3.73	168.	0.007	1146	0.	3.44	155.	0.006
9744	16.96	16.96	1124	1	3.35	155.	0.006	1046	1	3.12	144.	0.006	883	0.	2.63	121.	0.005
9745	16.96	16.96	1045	1	3.10	145.	0.006	980	1	2.91	136.	0.006	840	1	2.49	117.	0.005
9746	16.96	16.96	984	1	2.92	137.	0.006	919	1	2.73	128.	0.005	1093	1	3.25	152.	0.006
9747	16.96	16.96	880	1	2.61	123.	0.005	804	1	2.38	112.	0.005	889	1	2.64	124.	0.005
9748	16.96	16.96	2881	2	8.58	397.	0.017	2700	2	8.04	372.	0.016	2593	2	7.72	357.	0.015
9749	16.96	16.96	885	0.	2.64	121.	0.005	847	0.	2.53	116.	0.005	654	0.	1.95	90.	0.004
9750	16.96	16.96	0.	6	0.00	18.	0.001	0.	6	0.00	17.	0.001	0.	5	0.00	14.	0.001
9751	16.96	16.96	0.	-4	0.08	-1.	0.000	0.	-4	0.08	-1.	0.000	0.	-3	0.06	-1.	0.000
9752	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9753	16.96	16.96	725	0.	2.17	98.	0.004	701	0.	2.10	95.	0.004	563	0.	1.69	76.	0.003
9754	16.96	16.96	764	0.	2.29	103.	0.004	741	0.	2.22	100.	0.004	812	0.	2.43	110.	0.005
9755	16.96	16.96	666	1	1.98	93.	0.004	594	1	1.76	83.	0.003	625	1	1.85	87.	0.004
9756	16.96	16.96	995	1	2.96	138.	0.006	891	1	2.65	123.	0.005	936	1	2.78	130.	0.005
9757	16.96	16.96	1467	1	4.36	203.	0.009	1301	1	3.87	180.	0.008	1201	1	3.57	166.	0.007
9758	16.96	16.96	1162	1	3.44	162.	0.007	1059	1	3.14	147.	0.006	820	1	2.43	115.	0.005
9759	16.96	16.96	865	1	2.56	121.	0.005	817	1	2.42	114.	0.005	591	1	1.75	83.	0.004
9760	16.96	16.96	1308	-1	3.93	176.	0.007	1201	-1	3.61	161.	0.007	1067	-1	3.21	143.	0.006
9761	16.96	16.96	0.	4	0.00	12.	0.001	0.	4	0.00	11.	0.001	0.	2	0.00	6.	0.000
9762	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9763	16.96	16.96	810	0.	2.43	109.	0.005	759	0.	2.28	103.	0.004	544	0.	1.63	73.	0.003
9764	16.96	16.96	1230	0.	3.67	168.	0.007	1159	0.	3.46	158.	0.007	1089	0.	3.25	149.	0.006
9765	16.96	16.96	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.001	0.	2	0.00	6.	0.001
9766	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.000
9767	16.96	16.96	0.	2	0.00	5.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	3.	0.000
9768	16.96	16.96	3	0.	0.00	2.	0.000	0.	0.	0.00	1.	0.000	117	0.	0.34	17.	0.001
9769	16.96	16.96	693	2	2.04	98.	0.004	659	1	1.94	93.	0.004	1272	1	3.78	177.	0.007
9770	16.96	16.96	813	2	2.40	115.	0.005	764	2	2.25	108.	0.005	827	1	2.44	116.	0.005
9771	16.96	16.96	905	1	2.69	125.	0.005	879	1	2.61	122.	0.005	820	0.	2.45	112.	0.005
9772	16.96	16.96	0.	8	0.00	24.	0.002	0.	7	0.00	21.	0.002	0.	6	0.00	18.	0.001
9773	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000
9774	16.96	16.96	1324	0.	3.96	180.	0.007	1280	0.	3.83	174.	0.007	1216	0.	3.64	165.	0.007
9775	16.96	16.96	1145	0.	3.42	156.	0.006	1092	0.	3.27	148.	0.006	1083	0.	3.24	147.	0.006
9776	16.96	16.96	153	1	0.45	22.	0.001	93	0.	0.27	14.	0.001	72	1	0.20	11.	0.000
9777	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9778	16.96	16.96	0.	2	0.00	5.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	3.	0.000
9779	16.96	16.96	0.	3	0.00	10.	0.001	0.	3	0.00	9.	0.001	0.	2	0.00	7.	0.001
9780	16.96	16.96	0.	4	0.00	10.	0.001	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001
9781	16.96	16.96	0.	9	0.00	25.	0.002	0.	8	0.00	22.	0.002	0.	7	0.00	19.	0.002
9782	16.96	16.96	0.	5	0.00	15.	0.001	0.	5	0.00	13.	0.001	0.	3	0.00	8.	0.001
9783	16.96	16.96	1300	0.	3.89	176.	0.007	1272	0.	3.81	173.	0.007	1197	0.	3.58	162.	0.007
9784	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9785	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000
9786	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9787	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9788	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9789	16.96	16.96	408	1	1.21	57.	0.002	354	0.	1.05	49.	0.002	462	0.	1.38	64.	0.003
9790	16.96	16.96	232	0.	0.69	32.	0.001	214	0.	0.64	29.	0.001	209	0.	0.63	27.	0.001
9791	16.96	16.96	839	1	2.48	118.	0.005	829	1	2.46	116.	0.005	560	1	1.66	78.	0.003
9792	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000
9793	16.96	16.96	0.	2	0.00	5.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	3.	0.000
9794	16.96	16.96	791	0.	2.37	107.	0.004	744	0.	2.23	101.	0.004	697	0.	2.09	95.	0.004
9795	16.96	16.96	824	0.	2.46	113.	0.005	785	0.	2.34	107.	0.004	889	0.	2.65	121.	0.005
9796	16.96	16.96	41	1	0.11	7.	0.000	0.	1	0.00	2.	0.000	93	1	0.27	14.	0.001
9797	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9798	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000
9799	16.96	16.96	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.000	0.	2	0.00	6.	0.001
9800	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	3	0.00	8.	0.001
9801	16.96	16.96	955	0.	2.86	130.	0.005	905	0.	2.71	123.	0.005	676	0.	2.02	92.	0.004
9802	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.00	0.	0.000
9803	16.96	16.96	876	-1	2.65	115.	0.005	801	-1	2.42	106.	0.004	605	-1	1.83	79.	0.003
9804	16.96	16.96	903	-1	2.72	120.	0.005	817	-1	2.46	109.	0.005	647	-1	1.94	86.	0.004
9805	16.96	16.96	792	0.	2.37	107.	0.004	747	0.	2.24	101.	0.004	739	0.	2.21	101.	0.004
9806	16.96	16.96	510	0.	1.52	70.	0.003	496	0.	1.48	68.	0.003	510	0.	1.52	70.	0.003
9807	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	0.	0.000
9808	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000
9809	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9810	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000
9811	16.96	16.96	517	1	1.53	73.	0.003	440	1	1.30	62.	0.003	496	1	1.47	70.	0.003
9812	16.96	16.96	832	1	2.46	117.	0.005	756	1	2.24	106.	0.004	822	1	2.43	115.	0.005
9813	16.96	16.96	1315	2	3.90	183.	0.008	1218	1	3.61	170.	0.007	1133	2	3.36	158.	0.007
9814	16.96	16.96	1152	2	3.41	161.	0.007	1065	1	3.16	149.	0.006	831	1	2.46	117.	0.005
9815	16.96	16.96	575	1	1.69	82.	0.003	516	1	1.52	73.	0.003	624	1	1.84	88.	0.004
9816	16.96	16.96	692	-1	2.08	92.	0.004	840	0.	2.52	113.	0.005	612	-1	1.84	82.	0.003
9817	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000

9818	16.96	16.96	659	-1	1.99	86.	0.004	636	-1	1.92	84.	0.003	515	-1	1.56	67.	0.003
9819	16.96	16.96	599	-1	1.81	78.	0.003	762	-1	2.30	101.	0.004	712	-1	2.15	94.	0.004
9820	16.96	16.96	704	-2	2.13	92.	0.004	824	-1	2.49	108.	0.005	696	-1	2.10	92.	0.004
9821	16.96	16.96	732	-1	2.20	98.	0.004	715	-1	2.15	96.	0.004	634	0.	1.90	86.	0.004
9822	16.96	16.96	511	0.	1.52	71.	0.003	390	0.	1.16	54.	0.002	399	1	1.18	56.	0.002
9823	16.96	16.96	1919	0.	5.73	262.	0.011	1756	0.	5.25	240.	0.010	1410	0.	4.21	192.	0.008
9824	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9825	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000
9826	16.96	16.96	945	2	2.79	133.	0.006	908	1	2.69	127.	0.005	704	1	2.08	99.	0.004
9827	16.96	16.96	1275	1	3.78	177.	0.007	1216	1	3.61	169.	0.007	1040	1	3.08	145.	0.006
9828	16.96	16.96	1590	1	4.73	219.	0.009	1503	1	4.47	207.	0.009	1428	1	4.25	197.	0.008
9829	16.96	16.96	1842	1	5.49	253.	0.011	1735	1	5.17	238.	0.010	1681	1	5.01	230.	0.010
9830	16.96	16.96	492	1	1.44	71.	0.003	471	1	1.38	67.	0.003	508	1	1.50	71.	0.003
9831	16.96	16.96	433	0.	1.30	58.	0.002	417	0.	1.26	56.	0.002	414	-1	1.25	55.	0.002
9832	16.96	16.96	582	-1	1.76	77.	0.003	515	-1	1.56	68.	0.003	391	-1	1.18	52.	0.002
9833	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.01	0.	0.000
9834	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.00	0.	0.000
9835	16.96	16.96	830	0.	2.49	112.	0.005	792	0.	2.37	107.	0.004	733	0.	2.20	99.	0.004
9836	16.96	16.96	0.	-2	0.03	0.	0.000	0.	-1	0.02	0.	0.000	0.	-1	0.02	0.	0.000
9837	16.96	16.96	0.	-2	0.05	-1.	0.000	0.	-2	0.04	-1.	0.000	0.	-2	0.03	0.	0.000
9838	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.00	0.	0.000
9839	16.96	16.96	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000	0.	1	0.00	4.	0.000
9840	16.96	16.96	3109	0.	9.29	423.	0.018	2881	0.	8.61	393.	0.016	2718	0.	8.12	370.	0.015
9841	16.96	16.96	832	0.	2.49	112.	0.005	746	0.	2.24	101.	0.004	722	0.	2.16	98.	0.004
9842	16.96	16.96	867	0.	2.60	117.	0.005	784	0.	2.35	106.	0.004	828	0.	2.48	112.	0.005
9843	16.96	16.96	0.	2	0.00	6.	0.000	0.	2	0.00	5.	0.000	22	2	0.00	8.	0.000
9844	16.96	16.96	533	2	1.56	77.	0.003	540	1	1.59	77.	0.003	666	1	1.97	94.	0.004
9845	16.96	16.96	824	1	2.44	115.	0.005	800	1	2.37	112.	0.005	1002	1	2.98	139.	0.006
9846	16.96	16.96	349	1	1.03	50.	0.002	552	1	1.64	77.	0.003	562	1	1.67	78.	0.003
9847	16.96	16.96	741	0.	2.21	102.	0.004	839	0.	2.50	115.	0.005	905	0.	2.70	124.	0.005
9848	16.96	16.96	0.	5	0.00	15.	0.001	0.	4	0.00	11.	0.001	0.	3	0.00	10.	0.001
9849	16.96	16.96	0.	3	0.00	8.	0.001	0.	3	0.00	9.	0.001	0.	1	0.00	4.	0.000
9850	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	0.	0.000
9851	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000
9852	16.96	16.96	673	0.	2.02	90.	0.004	638	0.	1.92	86.	0.004	448	0.	1.35	60.	0.002
9853	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	4.	0.000
9854	16.96	16.96	0.	-3	0.05	-1.	0.000	0.	-2	0.04	-1.	0.000	0.	-2	0.03	0.	0.000
9855	16.96	16.96	0.	-5	0.09	-1.	0.000	0.	-4	0.08	-1.	0.000	0.	-2	0.04	-1.	0.000
9856	16.96	16.96	0.	-2	0.03	0.	0.000	0.	-1	0.03	0.	0.000	0.	1	0.00	3.	0.000
9857	16.96	16.96	0.	3	0.00	9.	0.001	0.	3	0.00	9.	0.001	0.	2	0.00	7.	0.001
9858	16.96	16.96	2940	0.	8.79	400.	0.017	2714	0.	8.11	370.	0.015	2557	0.	7.64	348.	0.014
9859	16.96	16.96	1261	0.	3.78	171.	0.007	1175	0.	3.52	159.	0.007	1033	0.	3.09	140.	0.006
9860	16.96	16.96	1033	0.	3.09	140.	0.006	984	0.	2.94	134.	0.006	801	0.	2.40	109.	0.005
9861	16.96	16.96	0.	2	0.00	6.	0.000	0.	2	0.00	6.	0.000	0.	2	0.00	5.	0.000
9862	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	3.	0.000
9863	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000
9864	16.96	16.96	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000	0.	1	0.00	4.	0.000
9865	16.96	16.96	0.	2	0.00	6.	0.000	0.	2	0.00	5.	0.000	0.	1	0.00	4.	0.000
9866	16.96	16.96	0.	6	0.00	16.	0.001	0.	5	0.00	14.	0.001	0.	3	0.00	9.	0.001
9867	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	6.	0.001	0.	1	0.00	4.	0.000
9868	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	0.	0.000
9869	16.96	16.96	1182	0.	3.54	160.	0.007	1123	0.	3.36	152.	0.006	1075	0.	3.22	146.	0.006
9870	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	3	0.00	9.	0.001
9871	16.96	16.96	2512	3	7.46	349.	0.015	2239	2	6.64	311.	0.013	2201	4	6.50	310.	0.013
9872	16.96	16.96	1142	2	3.38	160.	0.007	1037	2	3.07	145.	0.006	1891	2	5.62	262.	0.011
9873	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	0.	0.000
9874	16.96	16.96	2144	0.	6.41	292.	0.012	1975	0.	5.90	269.	0.011	1773	0.	5.30	242.	0.010
9875	16.96	16.96	604	0.	1.81	82.	0.003	602	0.	1.80	82.	0.003	641	0.	1.92	87.	0.004
9876	16.96	16.96	383	0.	1.14	53.	0.002	411	0.	1.22	56.	0.002	547	0.	1.63	75.	0.003
9877	16.96	16.96	4209	3	12.52	582.	0.024	3751	3	11.16	519.	0.022	2179	3	6.45	305.	0.013
9878	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000
9879	16.96	16.96	0.	2	0.00	6.	0.000	0.	2	0.00	6.	0.000	0.	2	0.00	6.	0.000
9880	16.96	16.96	0.	2	0.00	7.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.000
9881	16.96	16.96	764	0.	2.29	103.	0.004	746	0.	2.24	101.	0.004	526	0.	1.58	71.	0.003
9882	16.96	16.96	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000	0.	1	0.00	4.	0.000
9883	16.96	16.96	2578	0.	7.71	350.	0.015	2404	0.	7.19	327.	0.014	2233	0.	6.68	304.	0.013
9884	16.96	16.96	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000	0.	0.	0.00	0.	0.000
9885	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	1	0.00	2.	0.000
9886	16.96	16.96	1619	2	4.81	224.	0.009	1488	1	4.42	206.	0.009	903	1	2.67	127.	0.005
9887	16.96	16.96	1420	1	4.22	197.	0.008	1312	1	3.90	182.	0.008	938	1	2.78	131.	0.006
9888	16.96	16.96	1446	1	4.30	199.	0.008	1340	1	3.99	185.	0.008	1137	1	3.38	157.	0.007
9889	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9890	16.96	16.96	2805	0.	8.40	380.	0.016	2646	0.	7.92	359.	0.015	2546	0.	7.62	345.	0.014
9891	16.96	16.96	0.	4	0.00	11.	0.001	0.	3	0.00	10.	0.001	0.	3	0.00	8.	0.001
9892	16.96	16.96	0.	2	0.00	7.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	5.	0.000
9893	16.96	16.96	2006	1	5.98	276.	0.012	1851	1	5.51	255.	0.011	1688	1	5.03	232.	0.010
9894	16.96	16.96	2053	1	6.12	282.	0.012	1905	1	5.68	261.	0.011	1794	1	5.35	246.	0.010
9895	16.96	16.96	2002	1	5.97	274.	0.011	1868	1	5.57	256.	0.011	1751	1	5.22	240.	0.010
9896	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9897	16.96	16.96	0.	4	0.00	12.	0.001	0.	4	0.00	11.	0.001	0.	3	0.00	9.	0.001
9898	16.96	16.96	8355	1	24.96	1140.	0.047	7522	1	22.47	1026.	0.043	5760	1	17.20	787.	0.033
9899	16.96	16.96	5306	1	15.85	725.	0.030	4791	1	14.31	655.	0.027	3824	1	11.41	524.	0.022
9900	16.96	16.96	1584	-1	4.75	213.	0.009	1489	-1	4.47	200.	0.008	1462	-1	4.38	197.	0.008
9901	16.96	16.96	0.	7	0.00	21.	0.002	0.	6	0.00	19.	0.002	0.	4	0.00	12.	0.001
9902	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.000
9903	16.96	16.96	1409	3	4.15	200.	0.008	1297	3	3.82	184.	0.008	998	3	2.93	143.	0.006
9904	16.96	16.96	7122	1	21.28	971.	0.040	6427	1	19.21	877.	0.036	5426	1	16.21	741.	0.031
9905	16.96	16.96	1117	1	3.32	154.	0.006	1045	1	3.11	145.	0.006	733	1	2.17	102.	0.004
9906	16.96	16.96	710	1	2.11	99.	0.004	679	1	2.02	94.	0.004	564	1	1.67	79.	0.003
9907	16.96	16.96	0.	1	0.00	2.	0.000	13	1	0.01	3.	0.000	291	1	0.86	41.	0.002
9908	16.96	16.96	0.	13	0.00	38.	0.003	0.	12	0.00	34.	0.003	0.	11	0.00	31.	0.003
9909	16.96	16.96	0.	4	0.00	11.	0.001	0.	3	0.00	9.	0.001	0.	2	0.00	7.	0.001
9910	16.96	16.96	0.	2	0.00	5.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000
9911	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	5.	0.000
9912	16.96	16.96	0.	16	0.00	49.	0.004	0.	15	0.00	44.	0.004	0.	13	0.00	38.	0.003
9913	16.96	16.96	0.	10	0.00	30.	0.002	0.	9	0.00	26.	0.002	0.	6	0.00	16.	0.001
9914	16.96	16.96	0.	4	0.00	13.	0.001	0.	3	0.00	10.	0.001	0.	3	0.00	8.	0.001
9915	16.96	16.96	2298	3	6.81	321.	0.014	2152	3	6.38	300.	0.013	2139	3	6.34	298.	0.013
9916	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9917	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9918	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000
9919	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000

9920	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000
9921	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9922	16.96	16.96	0.	4	0.00	13.	0.001	0.	4	0.00	12.	0.001	0.	3	0.00	8.	0.001
9923	16.96	16.96	1737	2	5.15	242.	0.010	1641	2	4.87	229.	0.010	1244	1	3.70	172.	0.007
9924	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	3.	0.000
9925	16.96	16.96	0.	2	0.00	4.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	3.	0.000
9926	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9927	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9928	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9929	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9930	16.96	16.96	2496	3	7.40	348.	0.015	2344	3	6.96	326.	0.014	1952	2	5.80	271.	0.011
9931	16.96	16.96	0.	3	0.00	8.	0.001	0.	3	0.00	8.	0.001	0.	2	0.00	6.	0.000
9932	16.96	16.96	0.	2	0.00	7.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	5.	0.000
9933	16.96	16.96	1671	0.	5.00	227.	0.009	1574	0.	4.70	214.	0.009	1473	0.	4.40	201.	0.008
9934	16.96	16.96	1336	3	3.93	191.	0.008	999	3	2.93	143.	0.006	1030	3	3.03	147.	0.006
9935	16.96	16.96	0.	5	0.00	16.	0.001	0.	5	0.00	15.	0.001	0.	3	0.00	10.	0.001
9936	16.96	16.96	0.	1	0.00	3.	0.000	10	1	0.00	4.	0.000	282	1	0.82	41.	0.002
9937	16.96	16.96	639	1	1.90	89.	0.004	611	1	1.81	85.	0.004	882	1	2.63	122.	0.005
9938	16.96	16.96	66	0.	0.19	10.	0.000	84	0.	0.24	12.	0.001	474	0.	1.41	65.	0.003
9939	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	221	0.	0.66	30.	0.001
9940	16.96	16.96	1894	0.	5.66	258.	0.011	1803	0.	5.38	246.	0.010	1616	0.	4.83	221.	0.009
9941	16.96	16.96	174	3	0.45	32.	0.001	202	3	0.54	35.	0.002	449	2	1.30	67.	0.003
9942	16.96	16.96	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000	149	1	0.43	23.	0.001
9943	16.96	16.96	1461	2	4.33	204.	0.009	1389	2	4.12	194.	0.008	1206	2	3.57	169.	0.007
9944	16.96	16.96	1431	2	4.24	200.	0.008	1351	2	4.00	189.	0.008	1181	2	3.50	166.	0.007
9945	16.96	16.96	2775	0.	8.30	378.	0.016	2616	0.	7.82	356.	0.015	2524	0.	7.55	343.	0.014
9946	16.96	16.96	2997	0.	8.96	408.	0.017	2813	0.	8.41	383.	0.016	2702	0.	8.08	368.	0.015
9947	16.96	16.96	757	3	2.19	112.	0.005	723	3	2.10	107.	0.005	660	3	1.92	97.	0.004
9948	16.96	16.96	1135	3	3.34	162.	0.007	1102	2	3.24	157.	0.007	1147	4	3.35	166.	0.007
9949	16.96	16.96	1179	3	3.47	168.	0.007	1120	2	3.30	159.	0.007	1457	4	4.28	208.	0.009
9950	16.96	16.96	1213	1	3.61	167.	0.007	1139	1	3.39	157.	0.007	1052	1	3.13	145.	0.006
9951	16.96	16.96	1378	1	4.09	191.	0.008	1311	1	3.89	182.	0.008	1174	1	3.48	163.	0.007
9952	16.96	16.96	1010	2	2.99	142.	0.006	959	2	2.84	135.	0.006	857	1	2.53	121.	0.005
9953	16.96	16.96	874	1	2.59	121.	0.005	903	1	2.68	125.	0.005	543	1	1.61	76.	0.003
9954	16.96	16.96	1129	1	3.36	156.	0.007	1177	1	3.51	162.	0.007	1021	1	3.04	141.	0.006
9955	16.96	16.96	1715	0.	5.12	234.	0.010	1597	0.	4.77	218.	0.009	1443	0.	4.31	197.	0.008
9956	16.96	16.96	1883	0.	5.63	257.	0.011	1756	0.	5.25	239.	0.010	1607	0.	4.80	219.	0.009
9957	16.96	16.96	2210	0.	6.61	301.	0.013	2053	0.	6.14	279.	0.012	1894	0.	5.67	257.	0.011
9958	16.96	16.96	1478	2	4.37	208.	0.009	1404	2	4.15	197.	0.008	1493	2	4.43	208.	0.009
9959	16.96	16.96	2085	2	6.20	288.	0.012	1949	1	5.80	269.	0.011	1747	1	5.20	241.	0.010
9960	16.96	16.96	1604	1	4.78	220.	0.009	1497	1	4.46	206.	0.009	1217	0.	3.63	167.	0.007
9961	16.96	16.96	1249	3	3.67	178.	0.008	1172	3	3.45	166.	0.007	975	2	2.87	139.	0.006
9962	16.96	16.96	949	3	2.78	136.	0.006	890	2	2.61	128.	0.005	815	2	2.40	117.	0.005
9963	16.96	16.96	738	2	2.17	105.	0.004	695	2	2.05	99.	0.004	617	1	1.82	88.	0.004
9964	16.96	16.96	736	1	2.18	103.	0.004	703	1	2.08	98.	0.004	713	1	2.11	99.	0.004
9965	16.96	16.96	2690	0.	8.04	366.	0.015	2503	0.	7.48	341.	0.014	2269	0.	6.78	309.	0.013
9966	16.96	16.96	2919	0.	8.72	398.	0.017	2724	0.	8.14	371.	0.015	2572	0.	7.69	350.	0.015
9967	16.96	16.96	1125	1	3.34	156.	0.007	1055	1	3.14	146.	0.006	878	1	2.61	121.	0.005
9968	16.96	16.96	1283	2	3.80	180.	0.008	1206	2	3.57	169.	0.007	1012	2	2.99	142.	0.006
9969	16.96	16.96	992	1	2.95	137.	0.006	936	1	2.79	129.	0.005	907	1	2.70	125.	0.005
9970	16.96	16.96	1390	1	4.14	191.	0.008	1300	1	3.87	179.	0.007	1122	1	3.34	155.	0.006
9971	16.96	16.96	1245	1	3.71	171.	0.007	1159	1	3.45	159.	0.007	808	1	2.40	111.	0.005
9972	16.96	16.96	1332	0.	3.97	182.	0.008	1240	0.	3.70	170.	0.007	1077	0.	3.21	147.	0.006
9973	16.96	16.96	0.	7	0.00	20.	0.002	0.	6	0.00	18.	0.001	0.	6	0.00	17.	0.001
9974	16.96	16.96	1696	1	5.05	234.	0.010	1454	1	4.32	201.	0.008	1437	1	4.28	198.	0.008
9975	16.96	16.96	1566	1	4.67	215.	0.009	1398	1	4.17	192.	0.008	1483	0.	4.43	203.	0.008
9976	16.96	16.96	0.	5	0.00	14.	0.001	0.	4	0.00	12.	0.001	0.	3	0.00	10.	0.001
9977	16.96	16.96	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001	0.	2	0.00	6.	0.000
9978	16.96	16.96	0.	1	0.00	3.	0.000	3	1	0.00	3.	0.000	37	1	0.08	8.	0.000
9979	16.96	16.96	83	1	0.23	13.	0.001	144	1	0.42	21.	0.001	222	1	0.65	32.	0.001
9980	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000
9981	16.96	16.96	2289	0.	6.84	312.	0.013	2117	0.	6.33	289.	0.012	1792	0.	5.36	244.	0.010
9982	16.96	16.96	2695	0.	8.05	367.	0.015	2501	0.	7.48	341.	0.014	2267	0.	6.78	309.	0.013
9983	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	2.	0.000
9984	16.96	16.96	1429	2	4.24	199.	0.008	1207	2	3.57	169.	0.007	984	2	2.91	138.	0.006
9985	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9986	16.96	16.96	0.	4	0.00	11.	0.001	0.	3	0.00	9.	0.001	0.	3	0.00	9.	0.001
9987	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9988	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000
9989	16.96	16.96	0.	2	0.00	5.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000
9990	16.96	16.96	0.	2	0.00	6.	0.000	0.	2	0.00	5.	0.000	0.	1	0.00	4.	0.000
9991	16.96	16.96	1625	1	4.83	225.	0.009	1498	1	4.45	207.	0.009	1389	2	4.12	194.	0.008
9992	16.96	16.96	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001	0.	2	0.00	5.	0.000
9993	16.96	16.96	120	1	0.33	19.	0.001	14	1	0.00	5.	0.000	326	1	0.96	46.	0.002
9994	16.96	16.96	0.	-1	0.03	0.	0.000	0.	-1	0.03	0.	0.000	0.	-1	0.02	0.	0.000
9995	16.96	16.96	0.	-1	0.02	0.	0.000	0.	-1	0.01	0.	0.000	0.	0.	0.00	0.	0.000
9996	16.96	16.96	171	1	0.50	25.	0.001	160	1	0.47	23.	0.001	233	0.	0.69	33.	0.001
9997	16.96	16.96	114	1	0.33	17.	0.001	109	1	0.31	17.	0.001	77	1	0.21	12.	0.001
9998	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.000
9999	16.96	16.96	0.	2	0.00	5.	0.000	0.	2	0.00	4.	0.000	0.	1	0.00	4.	0.000
10000	16.96	16.96	3057	0.	9.14	416.	0.017	2830	0.	8.46	385.	0.016	2566	0.	7.67	350.	0.015

ARMATURA SUPERIORE ORIZZONTALE

			COMBINAZIONE RARA					COMBINAZIONE FREQUENTE					COMBINAZIONE QUASI PERMANENTE				
GUSCI	Af	Afc	Mom	Nor	σc	σf	WkR	Mom	Nor	σc	σf	WkF	Mom	Nor	σc	σf	WkP
9386	16.96	16.96	0.	4	0.00	11.	0.001	0.	3	0.00	10.	0.001	0.	3	0.00	10.	0.001
9387	16.96	16.96	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001	0.	3	0.00	8.	0.001
9388	16.96	16.96	0.	4	0.00	11.	0.001	0.	4	0.00	10.	0.001	0.	3	0.00	10.	0.001
9389	16.96	16.96	0.	4	0.00	11.	0.001	0.	3	0.00	10.	0.001	0.	3	0.00	10.	0.001
9390	16.96	16.96	0.	3	0.00	10.	0.001	0.	3	0.00	8.	0.001	0.	3	0.00	8.	0.001
9391	16.96	16.96	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001	0.	3	0.00	8.	0.001
9392	16.96	16.96	0.	4	0.00	12.	0.001	0.	4	0.00	11.	0.001	0.	4	0.00	11.	0.001
9393	16.96	16.96	0.	4	0.00	12.	0.001	0.	4	0.00	11.	0.001	0.	4	0.00	11.	0.001
9394	16.96	16.96	0.	3	0.00	10.	0.001	0.	3	0.00	9.	0.001	0.	3	0.00	9.	0.001
9395	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	7.	0.001
9396	16.96	16.96	0.	3	0.00	7.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	7.	0.001
9397	16.96	16.96	0.	4	0.00	11.	0.001	0.	4	0.00	10.	0.001	14	3	0.00	12.	0.001
9398	16.96	16.96	0.	5	0.00	13.	0.001	0.	4	0.00	13.	0.001	0.	4	0.00	12.	0.001
9399	16.96	16.96	0.	4	0.00	13.	0.001	0.	4	0.00	12.	0.001	0.	4	0.00	11.	0.001
9400	16.96	16.96	976	5	2.81	146.	0.006	897	4	2.59	134.	0.006	540	4	1.52	85.	0.004
9401	16.96	16.96	810	3	2.35	119.	0.005	747	3	2.17	110.	0.005	685	3	1.99	101.	0.004

9402	16.96	16.96	512	3	1.47	77.	0.003	454	3	1.30	69.	0.003	197	2	0.53	34.	0.002
9403	16.96	16.96	0.	3	0.00	10.	0.001	0.	3	0.00	9.	0.001	0.	3	0.00	9.	0.001
9404	16.96	16.96	0.	3	0.00	8.	0.001	0.	3	0.00	8.	0.001	0.	3	0.00	7.	0.001
9405	16.96	16.96	0.	2	0.00	7.	0.001	274	2	0.77	43.	0.002	256	2	0.71	41.	0.002
9406	16.96	16.96	0.	4	0.00	11.	0.001	0.	4	0.00	11.	0.001	0.	4	0.00	10.	0.001
9407	16.96	16.96	0.	4	0.00	11.	0.001	0.	4	0.00	11.	0.001	0.	4	0.00	10.	0.001
9408	16.96	16.96	0.	4	0.00	12.	0.001	0.	4	0.00	11.	0.001	0.	4	0.00	11.	0.001
9409	16.96	16.96	1168	4	3.42	169.	0.007	1065	3	3.12	154.	0.007	763	3	2.21	112.	0.005
9410	16.96	16.96	468	4	1.30	75.	0.003	407	4	1.13	66.	0.003	488	4	1.38	76.	0.003
9411	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	7.	0.001
9412	16.96	16.96	0.	3	0.00	8.	0.001	31	2	0.00	11.	0.001	160	2	0.41	28.	0.001
9413	16.96	16.96	1193	2	3.53	167.	0.007	1192	2	3.53	167.	0.007	978	2	2.89	138.	0.006
9414	16.96	16.96	2031	5	5.97	290.	0.012	2026	5	5.96	288.	0.012	1983	3	5.86	279.	0.012
9415	16.96	16.96	3276	7	9.65	464.	0.020	3278	7	9.67	464.	0.020	2889	5	8.54	406.	0.017
9416	16.96	16.96	3241	6	9.56	458.	0.019	3129	6	9.23	442.	0.019	2676	4	7.91	376.	0.016
9417	16.96	16.96	0.	4	0.00	13.	0.001	0.	4	0.00	12.	0.001	0.	4	0.00	12.	0.001
9418	16.96	16.96	896	5	2.56	137.	0.006	796	5	2.27	122.	0.005	469	5	1.29	77.	0.003
9419	16.96	16.96	5569	8	16.49	779.	0.033	5084	7	15.06	711.	0.030	4478	5	13.29	623.	0.026
9420	16.96	16.96	3688	5	10.93	515.	0.022	3128	5	9.26	438.	0.018	3082	3	9.16	427.	0.018
9421	16.96	16.96	2123	2	6.30	296.	0.012	1756	2	5.20	245.	0.010	1712	2	5.07	239.	0.010
9422	16.96	16.96	0.	4	0.00	11.	0.001	0.	3	0.00	10.	0.001	0.	3	0.00	9.	0.001
9423	16.96	16.96	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001	0.	3	0.00	8.	0.001
9424	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	7.	0.001
9425	16.96	16.96	3788	4	11.25	526.	0.022	3767	3	11.19	522.	0.022	3287	3	9.77	455.	0.019
9426	16.96	16.96	2623	3	7.79	364.	0.015	2609	2	7.75	362.	0.015	2252	2	6.69	312.	0.013
9427	16.96	16.96	2206	4	6.52	311.	0.013	1990	4	5.87	281.	0.012	1961	3	5.81	274.	0.012
9428	16.96	16.96	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001	2	3	0.00	8.	0.001
9429	16.96	16.96	0.	3	0.00	10.	0.001	0.	3	0.00	9.	0.001	0.	3	0.00	9.	0.001
9430	16.96	16.96	0.	4	0.00	11.	0.001	0.	3	0.00	10.	0.001	0.	3	0.00	10.	0.001
9431	16.96	16.96	5390	9	15.94	757.	0.032	5269	8	15.60	738.	0.031	4075	6	12.06	571.	0.024
9432	16.96	16.96	3668	4	10.88	511.	0.021	3465	4	10.28	482.	0.020	3135	3	9.31	435.	0.018
9433	16.96	16.96	5324	6	15.80	741.	0.031	4993	5	14.82	694.	0.029	4421	4	13.13	613.	0.026
9434	16.96	16.96	5442	5	16.16	755.	0.032	5054	5	15.02	701.	0.029	4260	4	12.67	589.	0.025
9435	16.96	16.96	0.	2	0.00	7.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.001
9436	16.96	16.96	0.	2	0.00	7.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.001
9437	16.96	16.96	3801	3	11.30	526.	0.022	3743	3	11.13	518.	0.022	3128	2	9.31	432.	0.018
9438	16.96	16.96	1166	1	3.46	162.	0.007	1170	1	3.47	162.	0.007	956	1	2.83	133.	0.006
9439	16.96	16.96	2003	1	5.98	274.	0.011	1994	1	5.95	273.	0.011	1919	1	5.71	265.	0.011
9440	16.96	16.96	2886	-2	8.67	387.	0.016	2867	-2	8.61	385.	0.016	2456	-1	7.37	331.	0.014
9441	16.96	16.96	2671	-2	8.02	358.	0.015	2652	-2	7.96	356.	0.015	2237	-1	6.71	301.	0.013
9442	16.96	16.96	0.	4	0.00	11.	0.001	0.	3	0.00	10.	0.001	0.	4	0.00	11.	0.001
9443	16.96	16.96	872	4	2.51	130.	0.006	998	4	2.90	147.	0.006	702	4	2.01	106.	0.005
9444	16.96	16.96	4879	-3	14.64	657.	0.027	4644	-2	13.93	625.	0.026	4163	-1	12.47	564.	0.023
9445	16.96	16.96	3767	-1	11.28	510.	0.021	3578	-1	10.71	485.	0.020	3475	1	10.38	475.	0.020
9446	16.96	16.96	2265	2	6.72	315.	0.013	2154	2	6.40	299.	0.013	1762	2	5.22	246.	0.010
9447	16.96	16.96	4463	3	13.28	616.	0.026	4090	3	12.17	564.	0.024	3176	2	9.46	437.	0.018
9448	16.96	16.96	3435	0.	10.28	466.	0.019	3373	0.	10.10	458.	0.019	2949	0.	8.82	401.	0.017
9449	16.96	16.96	2930	0.	8.76	399.	0.017	2890	0.	8.64	393.	0.016	2237	0.	6.68	305.	0.013
9450	16.96	16.96	1830	1	5.45	252.	0.011	1820	1	5.42	251.	0.010	1735	1	5.16	239.	0.010
9451	16.96	16.96	2106	1	6.28	289.	0.012	2092	1	6.24	287.	0.012	1848	1	5.50	255.	0.011
9452	16.96	16.96	1181	2	3.50	166.	0.007	998	2	2.94	141.	0.006	960	2	2.83	136.	0.006
9453	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	7.	0.001
9454	16.96	16.96	0.	3	0.00	10.	0.001	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001
9455	16.96	16.96	3707	6	10.97	519.	0.022	3674	5	10.88	514.	0.022	2966	4	8.79	414.	0.017
9456	16.96	16.96	4315	-1	12.92	585.	0.024	4052	-1	12.13	549.	0.023	3639	0.	10.88	495.	0.021
9457	16.96	16.96	2315	2	6.87	322.	0.014	2217	2	6.59	308.	0.013	1661	3	4.92	233.	0.010
9458	16.96	16.96	2815	0.	8.42	383.	0.016	2719	0.	8.13	370.	0.015	2156	1	6.44	295.	0.012
9459	16.96	16.96	3397	-1	10.18	459.	0.019	3251	-1	9.74	440.	0.018	2934	0.	8.78	399.	0.017
9460	16.96	16.96	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.001	0.	2	0.00	6.	0.000
9461	16.96	16.96	0.	2	0.00	6.	0.000	0.	2	0.00	6.	0.000	44	2	0.06	11.	0.001
9462	16.96	16.96	2919	2	8.69	402.	0.017	2823	2	8.41	389.	0.016	2273	1	6.77	313.	0.013
9463	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9464	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	1	0.00	2.	0.000
9465	16.96	16.96	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000	0.	0.	0.01	0.	0.000
9466	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000
9467	16.96	16.96	1135	1	3.37	158.	0.007	1133	1	3.36	158.	0.007	934	1	2.77	130.	0.005
9468	16.96	16.96	0.	3	0.00	9.	0.001	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001
9469	16.96	16.96	458	3	1.31	70.	0.003	437	3	1.25	67.	0.003	183	2	0.49	32.	0.001
9470	16.96	16.96	2067	2	6.14	287.	0.012	2023	2	6.01	281.	0.012	1707	2	5.06	238.	0.010
9471	16.96	16.96	1431	1	4.27	196.	0.008	1374	1	4.09	189.	0.008	1015	0.	3.03	138.	0.006
9472	16.96	16.96	3891	0.	11.63	530.	0.022	3633	0.	10.86	495.	0.021	3362	1	10.03	460.	0.019
9473	16.96	16.96	2826	0.	8.45	385.	0.016	2759	0.	8.25	375.	0.016	2673	0.	7.98	365.	0.015
9474	16.96	16.96	555	0.	1.66	76.	0.003	538	0.	1.61	74.	0.003	228	0.	0.68	32.	0.001
9475	16.96	16.96	7	1	0.00	3.	0.000	75	1	0.21	12.	0.001	0.	1	0.00	2.	0.000
9476	16.96	16.96	0.	1	0.00	3.	0.000	80	1	0.22	13.	0.001	11	1	0.00	4.	0.000
9477	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	63	1	0.18	10.	0.000
9478	16.96	16.96	2004	0.	5.98	274.	0.011	1990	1	5.94	272.	0.011	1910	1	5.68	264.	0.011
9479	16.96	16.96	2162	5	6.36	308.	0.013	2143	5	6.31	304.	0.013	2060	3	6.09	289.	0.012
9480	16.96	16.96	0.	4	0.00	11.	0.001	0.	3	0.00	10.	0.001	63	3	0.00	18.	0.001
9481	16.96	16.96	0.	4	0.00	11.	0.001	0.	3	0.00	9.	0.001	0.	3	0.00	9.	0.001
9482	16.96	16.96	3824	2	11.39	527.	0.022	3478	2	10.36	479.	0.020	3370	3	10.02	466.	0.019
9483	16.96	16.96	1316	1	3.91	182.	0.008	1261	1	3.75	175.	0.007	731	1	2.17	101.	0.004
9484	16.96	16.96	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000	0.	1	0.00	2.	0.000
9485	16.96	16.96	0.	3	0.00	10.	0.001	0.	3	0.00	9.	0.001	0.	3	0.00	9.	0.001
9486	16.96	16.96	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001	0.	3	0.00	8.	0.001
9487	16.96	16.96	845	2	2.47	122.	0.005	758	2	2.22	109.	0.005	587	2	1.71	86.	0.004
9488	16.96	16.96	3348	4	9.94	465.	0.020	3134	3	9.31	435.	0.018	2837	2	8.45	390.	0.016
9489	16.96	16.96	2177	-1	6.53	294.	0.012	2081	-1	6.24	281.	0.012	1728	0.	5.16	236.	0.010
9490	16.96	16.96	2182	2	6.48	303.	0.013	1885	2	5.60	262.	0.011	1752	2	5.20	243.	0.010
9491	16.96	16.96	5119	3	15.24	705.	0.029	4654	3	13.86	641.	0.027	3516	3	10.46	486.	0.020
9492	16.96	16.96	0.	2	0.00	6.	0.000	0.	2	0.00	6.	0.000	0.	2	0.00	6.	0.000
9493	16.96	16.96	771	0.	2.30	105.	0.004	746	0.	2.23	102.	0.004	634	0.	1.89	87.	0.004
9494	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	1	0.00	2.	0.000
9495	16.96	16.96	2972	-2	8.93	398.	0.017	2960	-2	8.89	397.	0.017	2546	-1	7.64	343.	0.014
9496	16.96	16.96	3470	7	10.23	491.	0.021	3458	7	10.21	488.	0.021	3026	5	8.95	425.	0.018
9497	16.96	16.96	0.	4	0.00	13.	0.001	0.	4	0.00	12.	0.001	0.	4	0.00	11.	0.001
9498	16.96	16.96	0.	4	0.00	11.	0.001	0.	3	0.00	10.	0.001	0.	3	0.00	10.	0.001
9499	16.96	16.96	0.	3	0.00	10.	0.001	0.	3	0.00	9.	0.001	0.	3	0.00	9.	0.001
9500	16.96	16.96	0.	3	0.00	10.	0.001	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001
9501	16.96	16.96	775	3	2.24	115.	0.005	694	3	2.01	103.	0.004	332	3	0.92	53.	0.002
9502	16.96	16.96	4844	6	14.36	675.	0.028	4542	5	13.47	633.	0.027	3888	4	11.55	539.	0.023
9503	16.96	16.96	2568	-2	7.73	343.	0.014	2486	-2	7.48	333.	0.014	1985	-1	5.96	267.	0.011

9504	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9505	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9506	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9507	16.96	16.96	607	1	1.79	86.	0.004	463	1	1.36	66.	0.003	464	1	1.36	66.	0.003
9508	16.96	16.96	532	1	1.58	74.	0.003	462	1	1.37	65.	0.003	452	1	1.33	64.	0.003
9509	16.96	16.96	6411	4	19.09	883.	0.037	5868	4	17.47	808.	0.034	5288	4	15.74	730.	0.031
9510	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9511	16.96	16.96	2579	2	7.67	357.	0.015	2342	2	6.96	324.	0.014	2767	2	8.24	382.	0.016
9512	16.96	16.96	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000	0.	0.	0.01	0.	0.000
9513	16.96	16.96	2719	-2	8.17	364.	0.015	2710	-2	8.14	364.	0.015	2187	-1	6.56	294.	0.012
9514	16.96	16.96	3408	6	10.06	481.	0.020	3279	6	9.69	462.	0.019	2616	4	7.74	367.	0.015
9515	16.96	16.96	0.	4	0.00	10.	0.001	0.	3	0.00	10.	0.001	0.	3	0.00	10.	0.001
9516	16.96	16.96	0.	3	0.00	10.	0.001	0.	3	0.00	9.	0.001	0.	3	0.00	9.	0.001
9517	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000	235	1	0.68	35.	0.002
9518	16.96	16.96	6773	2	20.20	928.	0.039	6272	2	18.71	859.	0.036	5872	2	17.52	804.	0.034
9519	16.96	16.96	4529	0.	13.55	616.	0.026	4235	0.	12.67	576.	0.024	3794	0.	11.35	516.	0.021
9520	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000
9521	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000
9522	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9523	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9524	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9525	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9526	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9527	16.96	16.96	0.	3	0.00	10.	0.001	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001
9528	16.96	16.96	0.	3	0.00	10.	0.001	0.	3	0.00	9.	0.001	0.	3	0.00	9.	0.001
9529	16.96	16.96	523	4	1.48	81.	0.004	455	3	1.29	71.	0.003	118	3	0.25	25.	0.001
9530	16.96	16.96	4450	5	13.20	620.	0.026	4172	5	12.38	581.	0.024	3468	4	10.30	481.	0.020
9531	16.96	16.96	2644	-1	7.93	357.	0.015	2558	-1	7.67	345.	0.014	2258	0.	6.76	306.	0.013
9532	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000	87	1	0.23	15.	0.001
9533	16.96	16.96	286	1	0.84	40.	0.002	271	0.	0.80	38.	0.002	265	0.	0.78	37.	0.002
9534	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9535	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9536	16.96	16.96	78	0.	0.22	12.	0.001	73	0.	0.21	11.	0.000	0.	0.	0.00	1.	0.000
9537	16.96	16.96	1089	0.	3.25	149.	0.006	1015	0.	3.03	139.	0.006	1011	1	3.01	139.	0.006
9538	16.96	16.96	1845	0.	5.52	251.	0.010	1706	0.	5.10	232.	0.010	1576	1	4.70	216.	0.009
9539	16.96	16.96	0.	2	0.00	6.	0.001	0.	2	0.00	6.	0.000	0.	2	0.00	6.	0.000
9540	16.96	16.96	9528	2	28.45	1302.	0.054	8711	2	26.01	1191.	0.050	7285	2	21.74	997.	0.042
9541	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9542	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9543	16.96	16.96	1080	0.	3.24	146.	0.006	1027	0.	3.08	139.	0.006	942	0.	2.82	127.	0.005
9544	16.96	16.96	408	1	1.21	57.	0.002	393	0.	1.17	55.	0.002	277	0.	0.82	38.	0.002
9545	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9546	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.01	0.	0.000
9547	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9548	16.96	16.96	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000
9549	16.96	16.96	2099	1	6.26	288.	0.012	2089	1	6.23	286.	0.012	1847	1	5.50	255.	0.011
9550	16.96	16.96	2152	4	6.36	303.	0.013	2000	4	5.91	282.	0.012	1973	3	5.85	276.	0.012
9551	16.96	16.96	0.	3	0.00	9.	0.001	41	3	0.00	14.	0.001	19	3	0.00	10.	0.001
9552	16.96	16.96	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001	0.	3	0.00	7.	0.001
9553	16.96	16.96	765	1	2.27	107.	0.004	708	1	2.10	98.	0.004	662	1	1.97	92.	0.004
9554	16.96	16.96	1439	1	4.29	198.	0.008	1278	1	3.80	176.	0.007	730	1	2.16	102.	0.004
9555	16.96	16.96	3857	4	11.46	535.	0.022	3548	3	10.54	492.	0.021	2923	3	8.68	406.	0.017
9556	16.96	16.96	2885	4	8.55	402.	0.017	2763	3	8.20	385.	0.016	2073	2	6.16	287.	0.012
9557	16.96	16.96	1694	1	5.04	234.	0.010	1632	1	4.85	225.	0.009	1164	1	3.47	160.	0.007
9558	16.96	16.96	690	-1	2.08	92.	0.004	705	-1	2.12	94.	0.004	511	-1	1.54	68.	0.003
9559	16.96	16.96	1658	1	4.94	227.	0.009	1640	1	4.89	225.	0.009	1562	0.	4.67	212.	0.009
9560	16.96	16.96	2928	2	8.73	403.	0.017	2857	1	8.52	392.	0.016	2459	1	7.34	336.	0.014
9561	16.96	16.96	2940	1	8.76	404.	0.017	2842	1	8.47	390.	0.016	2260	1	6.75	309.	0.013
9562	16.96	16.96	1847	0.	5.52	252.	0.011	1706	0.	5.09	233.	0.010	1527	0.	4.57	207.	0.009
9563	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9564	16.96	16.96	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001	0.	3	0.00	8.	0.001
9565	16.96	16.96	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001	0.	3	0.00	8.	0.001
9566	16.96	16.96	757	3	2.20	111.	0.005	800	3	2.33	116.	0.005	505	3	1.45	76.	0.003
9567	16.96	16.96	3008	4	8.92	419.	0.018	2836	3	8.41	395.	0.017	2679	2	7.96	371.	0.016
9568	16.96	16.96	2166	1	6.45	299.	0.012	2076	1	6.18	286.	0.012	1799	2	5.35	249.	0.010
9569	16.96	16.96	1919	0.	5.73	262.	0.011	1766	0.	5.28	241.	0.010	1304	0.	3.89	178.	0.007
9570	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9571	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	7.	0.001
9572	16.96	16.96	11039	1	32.99	1505.	0.063	10125	1	30.26	1380.	0.057	9239	2	27.59	1262.	0.053
9573	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9574	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9575	16.96	16.96	2203	1	6.57	303.	0.013	2130	1	6.35	292.	0.012	1928	0.	5.77	262.	0.011
9576	16.96	16.96	3187	3	9.46	442.	0.019	3059	3	9.09	424.	0.018	2569	2	7.65	354.	0.015
9577	16.96	16.96	786	-1	2.36	105.	0.004	784	0.	2.35	105.	0.004	592	-1	1.78	79.	0.003
9578	16.96	16.96	1778	1	5.30	245.	0.010	1729	1	5.15	238.	0.010	1586	0.	4.74	216.	0.009
9579	16.96	16.96	3124	2	9.31	430.	0.018	3007	2	8.96	413.	0.017	2539	1	7.58	348.	0.014
9580	16.96	16.96	0.	0.	0.00	1.	0.000	80	0.	0.23	12.	0.001	69	0.	0.20	10.	0.000
9581	16.96	16.96	1139	1	3.39	158.	0.007	1137	1	3.38	158.	0.007	934	1	2.77	130.	0.005
9582	16.96	16.96	1172	2	3.47	164.	0.007	1002	2	2.96	141.	0.006	960	2	2.84	135.	0.006
9583	16.96	16.96	0.	2	0.00	7.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.001
9584	16.96	16.96	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001
9585	16.96	16.96	2517	0.	7.52	343.	0.014	2338	0.	6.99	319.	0.013	1906	0.	5.69	260.	0.011
9586	16.96	16.96	1884	-4	5.70	247.	0.010	1894	-3	5.73	248.	0.010	1598	-3	4.84	209.	0.009
9587	16.96	16.96	1373	-1	4.13	183.	0.008	1383	-1	4.16	185.	0.008	1254	-1	3.77	168.	0.007
9588	16.96	16.96	640	-1	1.94	84.	0.003	667	-1	2.01	88.	0.004	500	-1	1.51	65.	0.003
9589	16.96	16.96	1396	-2	4.21	186.	0.008	1398	-1	4.21	186.	0.008	1396	-1	4.19	187.	0.008
9590	16.96	16.96	2159	-3	6.51	286.	0.012	2159	-2	6.50	287.	0.012	1840	-2	5.54	245.	0.010
9591	16.96	16.96	1962	-3	5.92	259.	0.011	1973	-3	5.95	262.	0.011	1647	-2	4.97	218.	0.009
9592	16.96	16.96	1610	-1	4.84	215.	0.009	1603	-1	4.82	215.	0.009	1404	-1	4.22	188.	0.008
9593	16.96	16.96	3088	2	9.21	424.	0.018	2957	1	8.82	406.	0.017	2164	1	6.46	296.	0.012
9594	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9595	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	7.	0.001
9596	16.96	16.96	445	2	1.28	67.	0.003	381	2	1.09	58.	0.003	157	2	0.42	27.	0.001
9597	16.96	16.96	2127	2	6.32	295.	0.012	1678	2	4.99	233.	0.010	1666	2	4.95	231.	0.010
9598	16.96	16.96	2228	2	6.63	307.	0.013	2120	1	6.31	292.	0.012	1713	1	5.10	237.	0.010
9599	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9600	16.96	16.96	7841	2	23.40	1073.	0.045	7148	2	21.33	978.	0.041	3181	1	9.50	435.	0.018
9601	16.96	16.96	549	-2	1.67	70.	0.003	443	-2	1.35	56.	0.002	436	-2	1.33	55.	0.002
9602	16.96	16.96	1332	-2	4.02	176.	0.007	1296	-2	3.91	171.	0.007	819	-1	2.47	108.	0.004
9603	16.96	16.96	1713	-4	5.20	222.	0.009	1718	-4	5.21	223.	0.009	1270	-3	3.86	164.	0.007
9604	16.96	16.96	769	-1	2.32	102.	0.004	783	-1	2.36	105.	0.004	622	-1	1.87	83.	0.003
9605	16.96	16.96	1456	-1	4.38	194.	0.008	1453	-1	4.37	194.	0.008	1421	-1	4.26	191.	0.008

9606	16.96	16.96	2190	-3	6.60	290.	0.012	2193	-3	6.61	291.	0.012	1870	-2	5.63	249.	0.010
9607	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	1	0.00	2.	0.000
9608	16.96	16.96	2026	0.	6.05	276.	0.011	1998	0.	5.97	273.	0.011	1907	1	5.68	263.	0.011
9609	16.96	16.96	2182	5	6.42	311.	0.013	2145	5	6.32	305.	0.013	2035	3	6.02	286.	0.012
9610	16.96	16.96	0.	4	0.00	11.	0.001	0.	3	0.00	10.	0.001	3	3	0.00	10.	0.001
9611	16.96	16.96	0.	4	0.00	11.	0.001	0.	3	0.00	9.	0.001	0.	3	0.00	9.	0.001
9612	16.96	16.96	811	0.	2.43	110.	0.005	744	0.	2.23	101.	0.004	850	0.	2.53	116.	0.005
9613	16.96	16.96	910	-1	2.74	122.	0.005	859	-1	2.58	115.	0.005	833	-1	2.51	111.	0.005
9614	16.96	16.96	957	-1	2.87	129.	0.005	820	-1	2.46	110.	0.005	329	-1	1.00	42.	0.002
9615	16.96	16.96	0.	-3	0.06	-1.	0.000	0.	-3	0.05	-1.	0.000	0.	-3	0.05	-1.	0.000
9616	16.96	16.96	0.	-2	0.04	-1.	0.000	0.	-2	0.03	0.	0.000	0.	-2	0.03	-1.	0.000
9617	16.96	16.96	0.	-1	0.03	0.	0.000	0.	-1	0.02	0.	0.000	0.	-1	0.02	0.	0.000
9618	16.96	16.96	0.	-2	0.03	-1.	0.000	0.	-2	0.03	0.	0.000	14	-1	0.00	-1.	0.000
9619	16.96	16.96	0.	-2	0.05	-1.	0.000	0.	-2	0.04	-1.	0.000	0.	-2	0.04	-1.	0.000
9620	16.96	16.96	0.	-2	0.04	-1.	0.000	0.	-2	0.04	-1.	0.000	0.	-2	0.04	-1.	0.000
9621	16.96	16.96	0.	-1	0.03	0.	0.000	0.	-1	0.02	0.	0.000	6	-1	0.01	0.	0.000
9622	16.96	16.96	1938	-3	5.85	256.	0.011	1966	-2	5.93	261.	0.011	1551	-2	4.68	205.	0.009
9623	16.96	16.96	1793	0.	5.35	245.	0.010	1722	0.	5.14	235.	0.010	1496	0.	4.48	203.	0.008
9624	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9625	16.96	16.96	0.	3	0.00	10.	0.001	0.	3	0.00	9.	0.001	0.	3	0.00	9.	0.001
9626	16.96	16.96	0.	3	0.00	10.	0.001	0.	3	0.00	9.	0.001	0.	3	0.00	9.	0.001
9627	16.96	16.96	893	4	2.59	132.	0.006	808	3	2.34	119.	0.005	726	3	2.10	108.	0.005
9628	16.96	16.96	3804	6	11.26	533.	0.022	3212	5	9.50	451.	0.019	3118	3	9.26	433.	0.018
9629	16.96	16.96	3761	0.	11.24	512.	0.021	3572	0.	10.68	487.	0.020	3476	1	10.37	476.	0.020
9630	16.96	16.96	983	2	2.89	140.	0.006	797	2	2.34	114.	0.005	591	2	1.74	84.	0.004
9631	16.96	16.96	7946	2	23.72	1086.	0.045	7321	2	21.85	1001.	0.042	6539	2	19.53	894.	0.037
9632	16.96	16.96	0.	-4	0.06	-1.	0.000	0.	-3	0.06	-1.	0.000	0.	-3	0.05	-1.	0.000
9633	16.96	16.96	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000
9634	16.96	16.96	0.	-1	0.03	0.	0.000	0.	-1	0.02	0.	0.000	0.	-1	0.02	0.	0.000
9635	16.96	16.96	0.	-2	0.04	-1.	0.000	0.	-2	0.04	-1.	0.000	0.	-2	0.03	-1.	0.000
9636	16.96	16.96	1460	-1	4.39	195.	0.008	1459	-1	4.39	195.	0.008	1335	-1	4.01	179.	0.007
9637	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	3	0.	0.00	2.	0.000
9638	16.96	16.96	3009	-3	9.05	402.	0.017	2967	-2	8.92	397.	0.017	2547	-1	7.65	343.	0.014
9639	16.96	16.96	3545	7	10.45	503.	0.021	3486	7	10.28	493.	0.021	3024	5	8.94	425.	0.018
9640	16.96	16.96	0.	4	0.00	13.	0.001	0.	4	0.00	12.	0.001	0.	4	0.00	12.	0.001
9641	16.96	16.96	0.	4	0.00	11.	0.001	0.	3	0.00	10.	0.001	0.	3	0.00	10.	0.001
9642	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	261	0.	0.77	37.	0.002
9643	16.96	16.96	4882	3	14.53	673.	0.028	4492	3	13.37	620.	0.026	4381	3	13.04	604.	0.025
9644	16.96	16.96	2769	2	8.23	383.	0.016	2490	2	7.40	345.	0.014	1912	2	5.68	266.	0.011
9645	16.96	16.96	0.	-4	0.07	-1.	0.000	0.	-4	0.06	-1.	0.000	0.	-3	0.05	-1.	0.000
9646	16.96	16.96	0.	-4	0.07	-1.	0.000	0.	-3	0.06	-1.	0.000	0.	-3	0.06	-1.	0.000
9647	16.96	16.96	0.	-2	0.04	-1.	0.000	0.	-2	0.04	-1.	0.000	0.	-2	0.03	0.	0.000
9648	16.96	16.96	0.	-2	0.03	0.	0.000	0.	-1	0.03	0.	0.000	0.	-1	0.02	0.	0.000
9649	16.96	16.96	0.	-3	0.05	-1.	0.000	0.	-2	0.04	-1.	0.000	0.	-2	0.04	-1.	0.000
9650	16.96	16.96	0.	-2	0.04	-1.	0.000	0.	-2	0.04	-1.	0.000	0.	-2	0.03	-1.	0.000
9651	16.96	16.96	0.	-1	0.02	0.	0.000	0.	-1	0.02	0.	0.000	0.	-1	0.01	0.	0.000
9652	16.96	16.96	0.	-2	0.05	-1.	0.000	0.	-2	0.04	-1.	0.000	0.	-2	0.04	-1.	0.000
9653	16.96	16.96	769	-1	2.32	102.	0.004	777	-1	2.34	103.	0.004	589	-1	1.78	78.	0.003
9654	16.96	16.96	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000
9655	16.96	16.96	0.	4	0.00	11.	0.001	0.	3	0.00	10.	0.001	0.	3	0.00	10.	0.001
9656	16.96	16.96	0.	4	0.00	11.	0.001	0.	3	0.00	10.	0.001	0.	3	0.00	10.	0.001
9657	16.96	16.96	1032	5	2.99	153.	0.007	943	4	2.73	140.	0.006	579	4	1.64	90.	0.004
9658	16.96	16.96	5714	8	16.93	799.	0.034	5193	7	15.38	726.	0.031	4555	5	13.52	634.	0.027
9659	16.96	16.96	4866	-3	14.61	653.	0.027	4630	-3	13.90	622.	0.026	4156	-2	12.47	560.	0.023
9660	16.96	16.96	3849	6	11.38	541.	0.023	3551	6	10.50	499.	0.021	3331	6	9.83	470.	0.020
9661	16.96	16.96	0.	-1	0.02	0.	0.000	0.	-1	0.02	0.	0.000	0.	-1	0.02	0.	0.000
9662	16.96	16.96	0.	-2	0.04	-1.	0.000	0.	-2	0.04	-1.	0.000	0.	-2	0.03	-1.	0.000
9663	16.96	16.96	771	-1	2.33	101.	0.004	783	-1	2.37	103.	0.004	614	-1	1.86	80.	0.003
9664	16.96	16.96	0.	-1	0.02	0.	0.000	0.	-1	0.02	0.	0.000	0.	-1	0.01	0.	0.000
9665	16.96	16.96	2741	-2	8.24	366.	0.015	2709	-2	8.14	363.	0.015	2156	-2	6.48	289.	0.012
9666	16.96	16.96	3472	6	10.25	489.	0.021	3300	6	9.75	465.	0.020	2609	4	7.72	366.	0.015
9667	16.96	16.96	0.	4	0.00	11.	0.001	0.	3	0.00	10.	0.001	0.	3	0.00	10.	0.001
9668	16.96	16.96	0.	4	0.00	11.	0.001	0.	3	0.00	10.	0.001	0.	3	0.00	9.	0.001
9669	16.96	16.96	1307	0.	3.92	177.	0.007	1263	0.	3.78	171.	0.007	743	-1	2.24	99.	0.004
9670	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	1.	0.000
9671	16.96	16.96	4416	0.	13.21	600.	0.025	4050	0.	12.11	551.	0.023	3564	0.	10.66	484.	0.020
9672	16.96	16.96	1034	-4	3.16	130.	0.005	757	-5	2.34	91.	0.004	542	-4	1.68	64.	0.003
9673	16.96	16.96	1847	-3	5.59	242.	0.010	1321	-4	4.02	169.	0.007	1004	-4	3.07	127.	0.005
9674	16.96	16.96	2185	0.	6.54	296.	0.012	1744	-1	5.23	235.	0.010	1444	-1	4.33	195.	0.008
9675	16.96	16.96	1499	-1	4.50	202.	0.008	1221	-1	3.67	164.	0.007	1224	0.	3.66	166.	0.007
9676	16.96	16.96	1569	-4	4.76	203.	0.008	1271	-3	3.86	164.	0.007	956	-3	2.91	123.	0.005
9677	16.96	16.96	1831	-3	5.54	240.	0.010	1496	-3	4.53	196.	0.008	1223	-3	3.70	159.	0.007
9678	16.96	16.96	2071	0.	6.19	282.	0.012	1726	0.	5.16	235.	0.010	1453	0.	4.34	198.	0.008
9679	16.96	16.96	0.	-3	0.05	-1.	0.000	0.	-2	0.04	-1.	0.000	0.	-2	0.04	-1.	0.000
9680	16.96	16.96	1796	1	5.36	246.	0.010	1735	1	5.18	237.	0.010	1587	0.	4.75	215.	0.009
9681	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9682	16.96	16.96	0.	4	0.00	11.	0.001	0.	3	0.00	10.	0.001	0.	3	0.00	10.	0.001
9683	16.96	16.96	0.	4	0.00	12.	0.001	0.	4	0.00	11.	0.001	0.	4	0.00	11.	0.001
9684	16.96	16.96	871	5	2.49	132.	0.006	775	4	2.22	118.	0.005	438	4	1.20	72.	0.003
9685	16.96	16.96	5735	9	16.98	803.	0.034	5368	8	15.89	751.	0.032	4138	6	12.25	579.	0.024
9686	16.96	16.96	4331	-2	12.99	583.	0.024	4056	-2	12.17	547.	0.023	3645	-1	10.92	493.	0.020
9687	16.96	16.96	2324	1	6.94	318.	0.013	2129	1	6.36	291.	0.012	1525	1	4.54	210.	0.009
9688	16.96	16.96	1543	0.	4.62	209.	0.009	1260	0.	3.77	171.	0.007	1016	0.	3.04	138.	0.006
9689	16.96	16.96	1526	0.	4.56	209.	0.009	1243	0.	3.71	170.	0.007	1057	1	3.15	145.	0.006
9690	16.96	16.96	1824	0.	5.46	247.	0.010	1512	0.	4.53	205.	0.009	1426	0.	4.26	195.	0.008
9691	16.96	16.96	1769	-2	5.33	235.	0.010	1450	-2	4.37	192.	0.008	1199	-2	3.63	157.	0.007
9692	16.96	16.96	1875	-2	5.65	248.	0.010	1537	-2	4.64	204.	0.008	1033	-2	3.14	134.	0.006
9693	16.96	16.96	1475	-2	4.45	195.	0.008	1473	-2	4.44	195.	0.008	1439	-1	4.33	192.	0.008
9694	16.96	16.96	0.	-1	0.03	0.	0.000	0.	-1	0.02	0.	0.000	0.	-1	0.02	0.	0.000
9695	16.96	16.96	1955	0.	5.84	267.	0.011	1958	0.	5.84	268.	0.011	1822	1	5.43	250.	0.010
9696	16.96	16.96	2230	4	6.59	314.	0.013	1993	3	5.89	281.	0.012	1970	3	5.84	275.	0.012
9697	16.96	16.96	0.	3	0.00	8.	0.001	61	3	0.06	16.	0.001	39	3	0.00	13.	0.001
9698	16.96	16.96	0.	3	0.00	9.	0.001	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001
9699	16.96	16.96	1312	0.	3.91	180.	0.007	1252	0.	3.74	171.	0.007	919	0.	2.75	125.	0.005
9700	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9701	16.96	16.96	5494	-9	16.61	723.	0.030	4935	-8	14.91	650.	0.027	4159	-6	12.54	551.	0.023
9702	16.96	16.96	6084	-9	18.37	803.	0.033	5468	-8	16.50	723.	0.030	4776	-6	14.40	633.	0.026
9703	16.96	16.96	4989	0.	14.93	678.	0.028	4455	0.	13.33	605.	0.025	3997	1	11.93	547.	0.023
9704	16.96	16.96	4368	-1	13.09	591.	0.025	3825	-1	11.46	517.	0.021	3450	2	10.28	474.	0.020
9705	16.96	16.96	5762	-9	17.41	759.	0.032	5138	-8	15.52	678.	0.028	4573	-5	13.77	609.	0.025
9706	16.96	16.96	6062	-7	18.27	805.	0.033	5357	-6	16.14	712.	0.030	4531	-5	13.64	604.	0.025
9707	16.96	16.96	3194	2	9.52	439.	0.018	3041	1	9.07	418.	0.017	2558	1	7.64	350.	0.015

9708	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	1.	0.000
9709	16.96	16.96	0.	3	0.00	10.	0.001	0.	3	0.00	9.	0.001	0.	3	0.00	9.	0.001
9710	16.96	16.96	0.	3	0.00	10.	0.001	0.	3	0.00	9.	0.001	0.	3	0.00	10.	0.001
9711	16.96	16.96	1104	4	3.21	162.	0.007	1007	4	2.93	147.	0.006	708	4	2.04	106.	0.005
9712	16.96	16.96	3947	5	11.69	551.	0.023	3708	5	10.99	518.	0.022	3023	4	8.96	421.	0.018
9713	16.96	16.96	3839	1	11.45	526.	0.022	3480	1	10.38	477.	0.020	3370	2	10.04	464.	0.019
9714	16.96	16.96	0.	-4	0.07	-1.	0.000	0.	-4	0.07	-1.	0.000	0.	-3	0.06	-1.	0.000
9715	16.96	16.96	2503	-2	7.53	335.	0.014	2310	-2	6.95	309.	0.013	1481	-3	4.49	192.	0.008
9716	16.96	16.96	4169	-1	12.48	565.	0.023	3709	-1	11.10	503.	0.021	3034	2	9.04	417.	0.017
9717	16.96	16.96	3165	1	9.44	434.	0.018	2754	1	8.22	377.	0.016	2423	0.	7.24	330.	0.014
9718	16.96	16.96	4770	0.	14.27	648.	0.027	4200	0.	12.56	571.	0.024	3700	2	11.02	509.	0.021
9719	16.96	16.96	5817	-8	17.54	771.	0.032	5139	-7	15.50	681.	0.028	4338	-4	13.06	579.	0.024
9720	16.96	16.96	6030	-7	18.16	803.	0.033	5312	-6	15.99	707.	0.029	4607	-4	13.86	615.	0.026
9721	16.96	16.96	2201	-4	6.65	290.	0.012	2201	-3	6.64	291.	0.012	1883	-3	5.69	249.	0.010
9722	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.00	0.	0.000
9723	16.96	16.96	1061	1	3.16	147.	0.006	1089	1	3.24	150.	0.006	889	1	2.64	123.	0.005
9724	16.96	16.96	1105	2	3.27	155.	0.007	960	2	2.84	135.	0.006	912	2	2.70	128.	0.005
9725	16.96	16.96	0.	2	0.00	7.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.000
9726	16.96	16.96	0.	3	0.00	8.	0.001	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001
9727	16.96	16.96	1816	1	5.40	251.	0.011	1728	1	5.14	239.	0.010	1374	1	4.09	190.	0.008
9728	16.96	16.96	0.	0.	0.00	1.	0.000	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000
9729	16.96	16.96	7208	-10	21.75	953.	0.040	6689	-10	20.19	884.	0.037	4782	-5	14.41	636.	0.026
9730	16.96	16.96	3174	2	9.45	437.	0.018	2858	2	8.51	394.	0.016	2720	2	8.10	375.	0.016
9731	16.96	16.96	7252	30	21.04	1069.	0.046	6491	26	18.85	954.	0.041	5221	19	15.20	763.	0.033
9732	16.96	16.96	7126	26	20.75	1041.	0.045	6261	23	18.24	914.	0.039	4078	19	11.78	607.	0.026
9733	16.96	16.96	3150	1	9.40	431.	0.018	2881	1	8.60	394.	0.016	2171	0.	6.49	296.	0.012
9734	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9735	16.96	16.96	0.	3	0.00	8.	0.001	0.	3	0.00	7.	0.001	0.	3	0.00	7.	0.001
9736	16.96	16.96	476	3	1.37	72.	0.003	425	2	1.22	64.	0.003	163	2	0.43	28.	0.001
9737	16.96	16.96	2028	2	6.03	281.	0.012	1994	2	5.93	276.	0.012	1668	2	4.95	232.	0.010
9738	16.96	16.96	2135	2	6.35	295.	0.012	1837	1	5.46	254.	0.011	1694	1	5.04	234.	0.010
9739	16.96	16.96	0.	-5	0.09	-1.	0.000	0.	-5	0.08	-1.	0.000	0.	-4	0.08	-1.	0.000
9740	16.96	16.96	1394	-3	4.23	181.	0.008	1322	-3	4.01	172.	0.007	497	-6	1.57	53.	0.002
9741	16.96	16.96	0.	-3	0.06	-1.	0.000	0.	-3	0.05	-1.	0.000	0.	-3	0.05	-1.	0.000
9742	16.96	16.96	1972	-4	5.97	258.	0.011	1985	-3	6.00	261.	0.011	1655	-3	5.01	217.	0.009
9743	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	1.	0.000
9744	16.96	16.96	1634	0.	4.88	223.	0.009	1691	0.	5.05	230.	0.010	1633	1	4.86	225.	0.009
9745	16.96	16.96	1926	5	5.66	275.	0.012	1926	4	5.67	274.	0.012	1670	3	4.93	235.	0.010
9746	16.96	16.96	0.	3	0.00	10.	0.001	0.	3	0.00	9.	0.001	0.	3	0.00	9.	0.001
9747	16.96	16.96	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001	0.	3	0.00	8.	0.001
9748	16.96	16.96	554	0.	1.65	76.	0.003	530	0.	1.58	73.	0.003	556	1	1.65	77.	0.003
9749	16.96	16.96	0.	-3	0.06	-1.	0.000	0.	-3	0.05	-1.	0.000	0.	-2	0.04	-1.	0.000
9750	16.96	16.96	8279	-15	25.04	1086.	0.045	7713	-14	23.34	1010.	0.042	6646	-8	20.04	881.	0.037
9751	16.96	16.96	5160	0.	15.42	703.	0.029	4717	1	14.10	643.	0.027	3499	3	10.40	484.	0.020
9752	16.96	16.96	0.	-4	0.07	-1.	0.000	0.	-4	0.06	-1.	0.000	0.	-3	0.06	-1.	0.000
9753	16.96	16.96	1800	0.	5.39	244.	0.010	1577	0.	4.72	214.	0.009	1528	-1	4.59	206.	0.009
9754	16.96	16.96	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000
9755	16.96	16.96	0.	3	0.00	8.	0.001	0.	3	0.00	7.	0.001	0.	2	0.00	7.	0.001
9756	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	7.	0.001
9757	16.96	16.96	586	2	1.70	86.	0.004	555	2	1.61	81.	0.003	469	2	1.36	69.	0.003
9758	16.96	16.96	2867	4	8.50	400.	0.017	2717	3	8.06	378.	0.016	2613	2	7.78	360.	0.015
9759	16.96	16.96	2079	-1	6.24	279.	0.012	2003	-1	6.01	269.	0.011	1628	0.	4.87	221.	0.009
9760	16.96	16.96	968	1	2.88	134.	0.006	798	1	2.37	110.	0.005	715	1	2.12	99.	0.004
9761	16.96	16.96	1400	-5	4.28	178.	0.007	1115	-4	3.41	141.	0.006	936	-4	2.88	115.	0.005
9762	16.96	16.96	0.	-3	0.06	-1.	0.000	0.	-3	0.05	-1.	0.000	0.	-3	0.05	-1.	0.000
9763	16.96	16.96	1618	-2	4.88	214.	0.009	1612	-2	4.86	214.	0.009	1412	-2	4.26	187.	0.008
9764	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	1.	0.000
9765	16.96	16.96	2497	-3	7.52	333.	0.014	2484	-2	7.48	331.	0.014	2046	-2	6.15	274.	0.011
9766	16.96	16.96	3141	7	9.25	445.	0.019	3118	6	9.20	441.	0.019	2373	4	7.00	335.	0.014
9767	16.96	16.96	0.	4	0.00	11.	0.001	0.	3	0.00	10.	0.001	0.	3	0.00	10.	0.001
9768	16.96	16.96	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001	0.	3	0.00	8.	0.001
9769	16.96	16.96	99	-1	0.31	12.	0.000	279	0.	0.84	37.	0.002	765	0.	2.29	104.	0.004
9770	16.96	16.96	6183	-2	18.53	835.	0.035	5545	-2	16.62	748.	0.031	4102	2	12.22	564.	0.024
9771	16.96	16.96	385	0.	1.15	52.	0.002	342	0.	1.02	46.	0.002	274	0.	0.82	38.	0.002
9772	16.96	16.96	5419	-13	16.45	702.	0.029	4869	-11	14.77	632.	0.026	4437	-7	13.41	584.	0.024
9773	16.96	16.96	0.	-3	0.06	-1.	0.000	0.	-3	0.05	-1.	0.000	0.	-3	0.05	-1.	0.000
9774	16.96	16.96	729	-1	2.20	97.	0.004	592	-1	1.79	78.	0.003	541	-1	1.63	71.	0.003
9775	16.96	16.96	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000
9776	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	7.	0.001
9777	16.96	16.96	0.	3	0.00	8.	0.001	0.	3	0.00	7.	0.001	0.	2	0.00	7.	0.001
9778	16.96	16.96	477	3	1.36	73.	0.003	438	3	1.25	67.	0.003	86	3	0.17	19.	0.001
9779	16.96	16.96	4475	6	13.27	624.	0.026	4201	5	12.46	585.	0.025	3292	3	9.78	457.	0.019
9780	16.96	16.96	2396	-3	7.23	317.	0.013	2347	-3	7.07	312.	0.013	1880	-2	5.66	251.	0.010
9781	16.96	16.96	5646	-10	17.08	740.	0.031	4976	-9	15.05	653.	0.027	4222	-7	12.76	556.	0.023
9782	16.96	16.96	1811	-4	5.49	236.	0.010	1492	-3	4.52	194.	0.008	1065	-4	3.26	135.	0.006
9783	16.96	16.96	735	-1	2.22	97.	0.004	754	-1	2.28	100.	0.004	586	-1	1.77	77.	0.003
9784	16.96	16.96	0.	-1	0.02	0.	0.000	0.	-1	0.02	0.	0.000	0.	-1	0.01	0.	0.000
9785	16.96	16.96	2719	-2	8.18	363.	0.015	2700	-2	8.12	361.	0.015	2372	-2	7.13	318.	0.013
9786	16.96	16.96	3158	5	9.34	443.	0.019	3136	5	9.28	439.	0.019	2800	3	8.30	390.	0.016
9787	16.96	16.96	0.	3	0.00	9.	0.001	11	3	0.00	10.	0.001	0.	3	0.00	7.	0.001
9788	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.001
9789	16.96	16.96	4892	1	14.61	668.	0.028	4467	1	13.34	610.	0.025	3770	1	11.26	515.	0.021
9790	16.96	16.96	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000	0.	2	0.00	6.	0.000
9791	16.96	16.96	409	0.	1.23	55.	0.002	376	0.	1.13	51.	0.002	313	0.	0.93	43.	0.002
9792	16.96	16.96	8032	41	23.12	1205.	0.052	7034	36	20.25	1055.	0.046	5298	26	15.26	793.	0.034
9793	16.96	16.96	7730	37	22.31	1153.	0.050	6762	32	19.52	1008.	0.044	4204	27	11.97	646.	0.028
9794	16.96	16.96	1500	1	4.47	206.	0.009	1493	1	4.45	205.	0.009	1258	0.	3.76	171.	0.007
9795	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9796	16.96	16.96	0.	3	0.00	7.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.001
9797	16.96	16.96	0.	3	0.00	8.	0.001	0.	3	0.00	7.	0.001	0.	2	0.00	7.	0.001
9798	16.96	16.96	626	3	1.80	94.	0.004	559	3	1.61	84.	0.004	274	3	0.75	45.	0.002
9799	16.96	16.96	4521	6	13.41	630.	0.026	4258	5	12.63	593.	0.025	3763	4	11.18	522.	0.022
9800	16.96	16.96	2461	-2	7.40	330.	0.014	2414	-2	7.25	324.	0.013	2128	-1	6.39	286.	0.012
9801	16.96	16.96	1324	-2	3.99	175.	0.007	1329	-2	4.01	176.	0.007	1273	-1	3.83	170.	0.007
9802	16.96	16.96	0.	-2	0.03	0.	0.000	0.	-2	0.03	0.	0.000	0.	-1	0.02	0.	0.000
9803	16.96	16.96	2167	0.	6.49	294.	0.012	2128	0.	6.37	289.	0.012	1823	0.	5.45	248.	0.010
9804	16.96	16.96	2469	3	7.33	343.	0.014	2377	3	7.06	330.	0.014	1970	2	5.86	272.	0.011
9805	16.96	16.96	175	2	0.46	30.	0.001	79	2	0.16	17.	0.001	0.	2	0.00	6.	0.000
9806	16.96	16.96	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000
9807	16.96	16.96	4826	1	14.41	659.	0.027	4506	1	13.46	616.	0.026	4301	1	12.84	587.	0.024
9808	16.96	16.96	4818	0.	14.41	655.	0.027	4569	0.	13.66	622.	0.026	3545	0.	10.60	483.	0.020
9809	16.96	16.96	2692	2	8.02	371.	0.015	2632	1	7.84	362.	0.015	2174	1	6.49	297.	0.012

9810	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9811	16.96	16.96	0.	2	0.00	6.	0.001	0.	2	0.00	6.	0.000	0.	2	0.00	5.	0.000
9812	16.96	16.96	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.001	0.	2	0.00	6.	0.000
9813	16.96	16.96	661	3	1.92	97.	0.004	606	2	1.76	89.	0.004	459	2	1.32	69.	0.003
9814	16.96	16.96	3005	4	8.91	418.	0.018	2833	3	8.41	394.	0.017	2667	2	7.93	369.	0.015
9815	16.96	16.96	2160	1	6.44	296.	0.012	2081	1	6.21	285.	0.012	1645	1	4.90	227.	0.009
9816	16.96	16.96	0.	-2	0.03	0.	0.000	0.	-2	0.03	0.	0.000	0.	-1	0.03	0.	0.000
9817	16.96	16.96	1986	-3	6.00	261.	0.011	1984	-3	6.00	261.	0.011	1683	-3	5.09	221.	0.009
9818	16.96	16.96	165	-1	0.51	20.	0.001	207	-1	0.64	25.	0.001	0.	-1	0.01	0.	0.000
9819	16.96	16.96	2847	1	8.49	390.	0.016	2624	1	7.83	359.	0.015	1658	1	4.95	227.	0.009
9820	16.96	16.96	2815	1	8.40	386.	0.016	2592	1	7.73	355.	0.015	1594	1	4.75	219.	0.009
9821	16.96	16.96	167	1	0.47	26.	0.001	250	1	0.73	37.	0.002	88	1	0.24	15.	0.001
9822	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	3.	0.000
9823	16.96	16.96	1019	-1	3.07	136.	0.006	451	-1	1.36	59.	0.002	920	-1	2.76	123.	0.005
9824	16.96	16.96	2594	1	7.75	354.	0.015	2664	1	7.96	364.	0.015	1966	0.	5.88	267.	0.011
9825	16.96	16.96	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000
9826	16.96	16.96	0.	2	0.00	6.	0.000	0.	2	0.00	6.	0.000	0.	2	0.00	5.	0.000
9827	16.96	16.96	444	2	1.29	65.	0.003	407	2	1.18	60.	0.003	168	1	0.47	27.	0.001
9828	16.96	16.96	2290	1	6.82	315.	0.013	2139	1	6.37	294.	0.012	1732	1	5.16	239.	0.010
9829	16.96	16.96	2884	1	8.60	395.	0.016	2264	1	6.75	311.	0.013	1822	1	5.43	250.	0.010
9830	16.96	16.96	4972	-2	14.91	671.	0.028	4414	-2	13.24	595.	0.025	3846	2	11.46	528.	0.022
9831	16.96	16.96	2029	-1	6.08	274.	0.011	1707	-1	5.12	230.	0.010	1622	0.	4.85	221.	0.009
9832	16.96	16.96	46	-2	0.15	2.	0.000	0.	-2	0.03	0.	0.000	0.	-1	0.03	0.	0.000
9833	16.96	16.96	0.	-3	0.05	-1.	0.000	0.	-3	0.05	-1.	0.000	0.	-2	0.04	-1.	0.000
9834	16.96	16.96	1796	-3	5.43	235.	0.010	1793	-3	5.42	235.	0.010	1306	-3	3.96	170.	0.007
9835	16.96	16.96	395	0.	1.18	53.	0.002	314	0.	0.94	42.	0.002	379	0.	1.13	52.	0.002
9836	16.96	16.96	5070	2	15.12	695.	0.029	4634	2	13.82	635.	0.027	3887	2	11.59	534.	0.022
9837	16.96	16.96	5087	1	15.19	695.	0.029	4653	1	13.89	636.	0.026	3836	1	11.46	523.	0.022
9838	16.96	16.96	0.	2	0.00	5.	0.000	0.	2	0.00	4.	0.000	107	1	0.30	16.	0.001
9839	16.96	16.96	0.	2	0.00	7.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	5.	0.000
9840	16.96	16.96	632	0.	1.89	85.	0.004	566	0.	1.70	77.	0.003	599	0.	1.79	82.	0.003
9841	16.96	16.96	1494	-1	4.48	201.	0.008	1713	-1	5.13	231.	0.010	1365	-1	4.10	183.	0.008
9842	16.96	16.96	0.	-2	0.03	0.	0.000	0.	-1	0.03	0.	0.000	0.	-1	0.02	0.	0.000
9843	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.000
9844	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.000
9845	16.96	16.96	1248	2	3.69	175.	0.007	1149	2	3.40	161.	0.007	1064	2	3.15	150.	0.006
9846	16.96	16.96	4570	3	13.61	630.	0.026	4261	3	12.69	587.	0.025	3624	1	10.81	497.	0.021
9847	16.96	16.96	4522	-1	13.54	613.	0.025	3900	-1	11.68	529.	0.022	3735	0.	11.17	508.	0.021
9848	16.96	16.96	6212	-12	18.80	814.	0.034	5565	-10	16.83	730.	0.030	4961	-5	14.92	663.	0.028
9849	16.96	16.96	2023	-4	6.12	266.	0.011	1686	-3	5.10	221.	0.009	1389	-3	4.20	182.	0.008
9850	16.96	16.96	0.	-3	0.05	-1.	0.000	0.	-3	0.05	-1.	0.000	0.	-2	0.04	-1.	0.000
9851	16.96	16.96	0.	-3	0.06	-1.	0.000	0.	-3	0.05	-1.	0.000	0.	-3	0.05	-1.	0.000
9852	16.96	16.96	1129	-2	3.42	148.	0.006	1155	-2	3.49	152.	0.006	1070	-2	3.23	141.	0.006
9853	16.96	16.96	14	0.	0.02	3.	0.000	7	0.	0.00	2.	0.000	322	0.	0.96	44.	0.002
9854	16.96	16.96	4584	2	13.67	629.	0.026	4249	2	12.67	583.	0.024	4189	2	12.50	574.	0.024
9855	16.96	16.96	4756	4	14.14	657.	0.028	4416	3	13.14	610.	0.026	4282	3	12.75	590.	0.025
9856	16.96	16.96	0.	3	0.00	10.	0.001	0.	3	0.00	10.	0.001	0.	2	0.00	7.	0.001
9857	16.96	16.96	0.	4	0.00	11.	0.001	0.	3	0.00	10.	0.001	0.	3	0.00	8.	0.001
9858	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9859	16.96	16.96	520	-2	1.60	65.	0.003	561	-2	1.71	71.	0.003	364	-2	1.12	44.	0.002
9860	16.96	16.96	0.	-2	0.04	-1.	0.000	0.	-2	0.04	-1.	0.000	0.	-2	0.04	-1.	0.000
9861	16.96	16.96	0.	3	0.00	10.	0.001	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001
9862	16.96	16.96	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001	0.	3	0.00	8.	0.001
9863	16.96	16.96	1468	3	4.32	208.	0.009	1342	3	3.95	190.	0.008	970	3	2.84	140.	0.006
9864	16.96	16.96	6562	5	19.52	906.	0.038	6133	5	18.25	847.	0.035	5153	3	15.35	710.	0.030
9865	16.96	16.96	5396	-2	16.18	728.	0.030	4904	-2	14.70	662.	0.028	4213	-1	12.62	570.	0.024
9866	16.96	16.96	5872	-9	17.73	774.	0.032	5233	-8	15.80	690.	0.029	4521	-5	13.61	603.	0.025
9867	16.96	16.96	1672	-4	5.07	217.	0.009	1365	-3	4.15	177.	0.007	1095	-3	3.33	141.	0.006
9868	16.96	16.96	0.	-3	0.06	-1.	0.000	0.	-3	0.05	-1.	0.000	0.	-3	0.05	-1.	0.000
9869	16.96	16.96	578	-3	1.77	72.	0.003	595	-2	1.82	75.	0.003	425	-2	1.31	52.	0.002
9870	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000
9871	16.96	16.96	615	4	1.75	95.	0.004	536	4	1.52	83.	0.004	725	4	2.09	109.	0.005
9872	16.96	16.96	0.	4	0.00	11.	0.001	0.	3	0.00	10.	0.001	0.	3	0.00	10.	0.001
9873	16.96	16.96	1752	0.	5.24	238.	0.010	1635	0.	4.89	222.	0.009	1310	0.	3.92	177.	0.007
9874	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9875	16.96	16.96	1484	-2	4.49	195.	0.008	1448	-2	4.37	191.	0.008	1261	-3	3.82	165.	0.007
9876	16.96	16.96	0.	-2	0.04	-1.	0.000	0.	-2	0.04	-1.	0.000	0.	-2	0.04	-1.	0.000
9877	16.96	16.96	932	-1	2.81	124.	0.005	1163	-1	3.50	155.	0.006	1137	-1	3.42	151.	0.006
9878	16.96	16.96	1217	4	3.57	175.	0.007	1097	3	3.21	158.	0.007	545	3	1.56	83.	0.004
9879	16.96	16.96	6172	6	18.35	855.	0.036	5748	5	17.09	796.	0.033	4772	4	14.19	660.	0.028
9880	16.96	16.96	5750	-1	17.21	780.	0.032	5282	-1	15.81	716.	0.030	4918	0.	14.72	668.	0.028
9881	16.96	16.96	1292	-3	3.92	168.	0.007	1269	-3	3.84	166.	0.007	1247	-3	3.78	163.	0.007
9882	16.96	16.96	1744	0.	5.21	238.	0.010	1627	0.	4.86	223.	0.009	1068	0.	3.19	146.	0.006
9883	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9884	16.96	16.96	2774	-2	8.34	371.	0.015	2663	-2	8.00	357.	0.015	2190	-2	6.59	292.	0.012
9885	16.96	16.96	0.	-2	0.03	-1.	0.000	0.	-2	0.03	0.	0.000	0.	-2	0.03	0.	0.000
9886	16.96	16.96	1427	3	4.20	202.	0.009	1326	3	3.91	188.	0.008	909	3	2.66	131.	0.006
9887	16.96	16.96	4456	4	13.25	616.	0.026	4128	3	12.28	571.	0.024	3511	3	10.45	485.	0.020
9888	16.96	16.96	4804	1	14.34	657.	0.027	4319	1	12.89	591.	0.025	4182	2	12.48	573.	0.024
9889	16.96	16.96	2106	-3	6.35	279.	0.012	2067	-2	6.23	274.	0.011	1892	-2	5.70	251.	0.010
9890	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	211	0.	0.62	30.	0.001
9891	16.96	16.96	2818	-2	8.47	377.	0.016	2680	-2	8.06	359.	0.015	2133	-2	6.42	284.	0.012
9892	16.96	16.96	0.	-1	0.03	0.	0.000	0.	-1	0.02	0.	0.000	0.	-1	0.02	0.	0.000
9893	16.96	16.96	1134	2	3.35	160.	0.007	1026	2	3.03	145.	0.006	741	2	2.18	105.	0.004
9894	16.96	16.96	2939	2	8.76	404.	0.017	2720	1	8.10	374.	0.016	2419	1	7.20	333.	0.014
9895	16.96	16.96	3054	1	9.11	419.	0.017	2633	1	7.85	362.	0.015	2408	1	7.18	331.	0.014
9896	16.96	16.96	0.	-5	0.08	-1.	0.000	0.	-4	0.07	-1.	0.000	0.	-4	0.07	-1.	0.000
9897	16.96	16.96	2327	-2	7.00	311.	0.013	2256	-2	6.78	302.	0.013	1813	-2	5.46	242.	0.010
9898	16.96	16.96	389	2	1.12	58.	0.002	0.	2	0.00	5.	0.000	1133	2	3.35	159.	0.007
9899	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000
9900	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	755	0.	2.25	103.	0.004
9901	16.96	16.96	978	-11	3.09	105.	0.004	820	-10	2.60	86.	0.004	659	-8	2.09	68.	0.003
9902	16.96	16.96	0.	-7	0.13	-2.	0.000	0.	-6	0.12	-2.	0.000	0.	-6	0.11	-2.	0.000
9903	16.96	16.96	2467	-1	7.40	333.	0.014	2363	-1	7.08	319.	0.013	2036	-2	6.12	273.	0.011
9904	16.96	16.96	1112	-3	3.37	144.	0.006	1030	-2	3.13	134.	0.006	1961	-3	5.91	260.	0.011
9905	16.96	16.96	1135	1	3.37	158.	0.007	1026	1	3.05	143.	0.006	765	1	2.27	107.	0.004
9906	16.96	16.96	3991	1	11.91	546.	0.023	3690	1	11.02	504.	0.021	3521	1	10.51	482.	0.020
9907	16.96	16.96	3853	1	11.50	527.	0.022	3521	1	10.51	482.	0.020	3013	1	8.99	413.	0.017
9908	16.96	16.96	4860	-22	14.92	603.	0.025	4173	-26	12.93	498.	0.021	3854	-13	11.77	489.	0.020
9909	16.96	16.96	0.	-3	0.06	-1.	0.000	0.	-3	0.05	-1.	0.000	0.	-3	0.05	-1.	0.000
9910	16.96	16.96	1500	1	4.47	207.	0.009	608	1	1.80	85.	0.004	626	1	1.85	88.	0.004
9911	16.96	16.96	4944	66	13.10	855.	0.039	4430	59	11.74	766.	0.035	2625	44	6.63	481.	0.023

9912	16.96	16.96	4557	-19	13.96	570.	0.024	3880	-21	11.98	471.	0.020	3358	-13	10.27	423.	0.018
9913	16.96	16.96	536	-8	1.72	51.	0.002	424	-7	1.36	38.	0.002	279	-7	0.91	20.	0.001
9914	16.96	16.96	0.	-5	0.10	-1.	0.000	0.	-5	0.09	-1.	0.000	0.	-4	0.08	-1.	0.000
9915	16.96	16.96	2055	1	6.14	281.	0.012	1890	0.	5.64	258.	0.011	1704	0.	5.10	232.	0.010
9916	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9917	16.96	16.96	611	1	1.81	85.	0.004	550	1	1.63	77.	0.003	119	1	0.34	18.	0.001
9918	16.96	16.96	5544	0.	16.57	755.	0.031	5106	0.	15.26	696.	0.029	4239	0.	12.67	578.	0.024
9919	16.96	16.96	4890	1	14.60	668.	0.028	4483	1	13.39	613.	0.026	3741	1	11.17	512.	0.021
9920	16.96	16.96	0.	-3	0.06	-1.	0.000	0.	-3	0.06	-1.	0.000	0.	-3	0.06	-1.	0.000
9921	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9922	16.96	16.96	5658	62	15.40	941.	0.043	5046	55	13.73	840.	0.038	3343	46	8.79	584.	0.027
9923	16.96	16.96	3978	-5	11.99	529.	0.022	3626	-4	10.93	482.	0.020	3017	0.	9.03	409.	0.017
9924	16.96	16.96	1103	-5	3.38	138.	0.006	978	-4	3.00	121.	0.005	694	-4	2.14	84.	0.003
9925	16.96	16.96	0.	-3	0.05	-1.	0.000	0.	-2	0.04	-1.	0.000	0.	-2	0.04	-1.	0.000
9926	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9927	16.96	16.96	1154	1	3.44	158.	0.007	1034	0.	3.08	142.	0.006	611	0.	1.82	84.	0.004
9928	16.96	16.96	5904	0.	17.65	804.	0.033	5451	0.	16.29	742.	0.031	4817	0.	14.40	656.	0.027
9929	16.96	16.96	4561	1	13.62	623.	0.026	4183	1	12.49	571.	0.024	3262	1	9.74	446.	0.019
9930	16.96	16.96	1948	3	5.77	272.	0.011	1762	2	5.22	246.	0.010	2650	4	7.84	371.	0.016
9931	16.96	16.96	5715	-11	17.30	747.	0.031	5208	-11	15.78	680.	0.028	4446	-6	13.40	590.	0.025
9932	16.96	16.96	1186	-3	3.61	153.	0.006	1046	-3	3.19	134.	0.006	779	-3	2.38	99.	0.004
9933	16.96	16.96	550	0.	1.64	75.	0.003	584	0.	1.74	81.	0.003	522	0.	1.55	72.	0.003
9934	16.96	16.96	0.	5	0.00	14.	0.001	0.	4	0.00	13.	0.001	0.	4	0.00	11.	0.001
9935	16.96	16.96	5779	-8	17.43	765.	0.032	5272	-8	15.91	697.	0.029	4402	-4	13.25	587.	0.024
9936	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9937	16.96	16.96	1176	1	3.50	162.	0.007	1060	1	3.16	146.	0.006	830	1	2.47	114.	0.005
9938	16.96	16.96	4204	1	12.56	574.	0.024	3889	1	11.62	531.	0.022	3583	1	10.70	489.	0.020
9939	16.96	16.96	3455	1	10.32	472.	0.020	3176	1	9.49	434.	0.018	2587	1	7.73	354.	0.015
9940	16.96	16.96	1376	0.	4.11	187.	0.008	1278	0.	3.82	174.	0.007	1257	0.	3.75	172.	0.007
9941	16.96	16.96	3418	1	10.20	468.	0.019	3371	1	10.06	461.	0.019	2603	2	7.74	360.	0.015
9942	16.96	16.96	523	0.	1.57	71.	0.003	448	0.	1.34	61.	0.003	558	1	1.66	78.	0.003
9943	16.96	16.96	2435	1	7.27	333.	0.014	2229	1	6.65	305.	0.013	1799	1	5.36	247.	0.010
9944	16.96	16.96	686	2	2.02	98.	0.004	620	1	1.82	88.	0.004	435	1	1.28	63.	0.003
9945	16.96	16.96	0.	0.	0.00	0.	0.000	70	0.	0.21	10.	0.000	0.	0.	0.00	0.	0.000
9946	16.96	16.96	161	0.	0.48	22.	0.001	158	0.	0.47	22.	0.001	285	0.	0.85	39.	0.002
9947	16.96	16.96	94	3	0.19	20.	0.001	92	2	0.20	19.	0.001	220	1	0.62	34.	0.001
9948	16.96	16.96	3889	16	11.29	572.	0.025	3515	14	10.20	518.	0.022	2902	5	8.58	408.	0.017
9949	16.96	16.96	0.	5	0.00	15.	0.001	0.	5	0.00	14.	0.001	0.	5	0.00	13.	0.001
9950	16.96	16.96	979	0.	2.92	134.	0.006	1125	0.	3.36	153.	0.006	791	0.	2.36	108.	0.005
9951	16.96	16.96	2173	0.	6.49	296.	0.012	2012	0.	6.01	274.	0.011	1857	0.	5.55	253.	0.011
9952	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	4.	0.000
9953	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9954	16.96	16.96	491	1	1.45	70.	0.003	443	1	1.31	63.	0.003	183	1	0.53	27.	0.001
9955	16.96	16.96	2224	1	6.63	305.	0.013	2065	1	6.16	283.	0.012	2001	1	5.97	274.	0.011
9956	16.96	16.96	2688	1	8.02	368.	0.015	2492	1	7.44	341.	0.014	2128	1	6.35	291.	0.012
9957	16.96	16.96	989	1	2.95	136.	0.006	967	0.	2.88	133.	0.006	798	1	2.38	110.	0.005
9958	16.96	16.96	566	3	1.63	85.	0.004	502	3	1.44	76.	0.003	2034	4	6.01	286.	0.012
9959	16.96	16.96	1444	1	4.30	199.	0.008	1438	1	4.28	199.	0.008	921	1	2.73	128.	0.005
9960	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	4.	0.000
9961	16.96	16.96	2317	4	6.85	326.	0.014	2134	3	6.31	300.	0.013	1811	2	5.37	252.	0.011
9962	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	7.	0.001
9963	16.96	16.96	0.	2	0.00	6.	0.000	0.	2	0.00	5.	0.000	0.	2	0.00	6.	0.000
9964	16.96	16.96	0.	2	0.00	6.	0.000	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000
9965	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9966	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9967	16.96	16.96	206	0.	0.61	28.	0.001	224	0.	0.67	31.	0.001	120	0.	0.35	17.	0.001
9968	16.96	16.96	2203	-1	6.60	298.	0.012	2044	-1	6.12	277.	0.011	1750	0.	5.23	239.	0.010
9969	16.96	16.96	0.	2	0.00	6.	0.000	0.	2	0.00	5.	0.000	0.	1	0.00	4.	0.000
9970	16.96	16.96	1010	2	2.98	143.	0.006	928	2	2.74	131.	0.006	832	2	2.45	118.	0.005
9971	16.96	16.96	3817	4	11.34	529.	0.022	3524	3	10.48	487.	0.020	3429	2	10.22	471.	0.020
9972	16.96	16.96	4234	0.	12.66	576.	0.024	3928	0.	11.75	534.	0.022	3788	1	11.32	517.	0.022
9973	16.96	16.96	1820	2	5.41	252.	0.011	1665	1	4.95	230.	0.010	381	2	1.10	57.	0.002
9974	16.96	16.96	1688	0.	5.04	230.	0.010	1560	0.	4.66	213.	0.009	1420	1	4.24	195.	0.008
9975	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9976	16.96	16.96	3372	6	9.96	476.	0.020	3117	5	9.21	439.	0.019	2660	4	7.87	373.	0.016
9977	16.96	16.96	0.	3	0.00	10.	0.001	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001
9978	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	7.	0.001
9979	16.96	16.96	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.001	0.	2	0.00	6.	0.000
9980	16.96	16.96	1592	0.	4.77	215.	0.009	1487	0.	4.45	201.	0.008	932	-1	2.80	125.	0.005
9981	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9982	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9983	16.96	16.96	1740	0.	5.20	237.	0.010	1585	0.	4.74	216.	0.009	140	0.	0.41	20.	0.001
9984	16.96	16.96	1383	2	4.09	194.	0.008	1259	2	3.73	176.	0.007	880	1	2.60	124.	0.005
9985	16.96	16.96	0.	-1	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000
9986	16.96	16.96	2821	-2	8.47	379.	0.016	2624	-1	7.87	353.	0.015	2083	-1	6.24	281.	0.012
9987	16.96	16.96	0.	3	0.00	7.	0.001	0.	2	0.00	6.	0.001	0.	2	0.00	6.	0.000
9988	16.96	16.96	1185	3	3.48	169.	0.007	1083	2	3.19	154.	0.007	684	2	2.00	99.	0.004
9989	16.96	16.96	5878	5	17.47	813.	0.034	5442	4	16.19	752.	0.031	4806	3	14.31	662.	0.028
9990	16.96	16.96	5607	-2	16.82	756.	0.031	5197	-2	15.58	701.	0.029	4659	-1	13.96	630.	0.026
9991	16.96	16.96	0.	3	0.00	10.	0.001	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001
9992	16.96	16.96	1991	0.	5.95	271.	0.011	1847	0.	5.52	251.	0.010	1411	0.	4.21	193.	0.008
9993	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9994	16.96	16.96	3208	6	9.48	452.	0.019	2961	5	8.75	416.	0.018	2258	4	6.67	318.	0.013
9995	16.96	16.96	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001	0.	3	0.00	7.	0.001
9996	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	7.	0.001
9997	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	7.	0.001
9998	16.96	16.96	5152	-2	15.44	697.	0.029	5059	-1	15.15	685.	0.028	4222	-1	12.64	572.	0.024
9999	16.96	16.96	1709	0.	5.11	233.	0.010	1578	0.	4.72	215.	0.009	1295	0.	3.88	176.	0.007
10000	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000

ARMATURA SUPERIORE VERTICALE

			COMBINAZIONE RARA					COMBINAZIONE FREQUENTE					COMBINAZIONE QUASI PERMANENTE				
GUSCI	Af	Afc	Mom	Nor	σc	σf	WkR	Mom	Nor	σc	σf	WkF	Mom	Nor	σc	σf	WkP
9386	16.96	16.96	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9387	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9388	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9389	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000
9390	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9391	16.96	16.96	122	0.	0.36	18.	0.001	112	0.	0.33	16.	0.001	0.	0.	0.00	1.	0.000
9392	16.96	16.96	740	0.	2.21	102.	0.004	728	0.	2.17	100.	0.004	486	0.	1.45	67.	0.003
9393	16.96	16.96	377	0.	1.12	52.	0.002	357	0.	1.06	50.	0.002	248	0.	0.73	35.	0.001
9394	16.96	16.96	4	1	0.00	3.	0.000	0.	1	0.00	2.	0.000	100	1	0.28	16.	0.001

9395	16.96	16.96	83	0.	0.25	11.	0.000	104	0.	0.31	14.	0.001	0.	0.	0.00	0.	0.000
9396	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9397	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	3.	0.000
9398	16.96	16.96	1953	1	5.81	269.	0.011	1925	1	5.73	265.	0.011	1624	1	4.84	223.	0.009
9399	16.96	16.96	712	0.	2.12	98.	0.004	673	0.	2.01	92.	0.004	674	0.	2.01	92.	0.004
9400	16.96	16.96	2535	1	7.56	348.	0.015	2399	1	7.15	329.	0.014	2056	1	6.14	281.	0.012
9401	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9402	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9403	16.96	16.96	1269	0.	3.79	174.	0.007	1390	0.	4.15	190.	0.008	1232	0.	3.68	169.	0.007
9404	16.96	16.96	920	0.	2.75	125.	0.005	937	0.	2.80	127.	0.005	744	0.	2.23	101.	0.004
9405	16.96	16.96	120	0.	0.36	17.	0.001	190	0.	0.57	26.	0.001	294	0.	0.88	40.	0.002
9406	16.96	16.96	1929	1	5.75	264.	0.011	1900	1	5.67	260.	0.011	1617	0.	4.83	221.	0.009
9407	16.96	16.96	732	0.	2.19	99.	0.004	721	0.	2.16	98.	0.004	462	0.	1.38	63.	0.003
9408	16.96	16.96	358	1	1.06	50.	0.002	339	1	1.00	48.	0.002	220	1	0.65	31.	0.001
9409	16.96	16.96	517	1	1.52	74.	0.003	478	1	1.41	68.	0.003	522	1	1.53	74.	0.003
9410	16.96	16.96	3344	1	9.98	457.	0.019	3310	1	9.88	452.	0.019	2768	1	8.26	379.	0.016
9411	16.96	16.96	1070	0.	3.21	145.	0.006	1043	0.	3.12	141.	0.006	965	0.	2.89	131.	0.005
9412	16.96	16.96	2265	0.	6.77	309.	0.013	2223	0.	6.64	303.	0.013	2130	0.	6.37	290.	0.012
9413	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9414	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9415	16.96	16.96	2776	2	8.26	384.	0.016	2742	2	8.16	379.	0.016	2098	2	6.24	290.	0.012
9416	16.96	16.96	2840	2	8.46	391.	0.016	2807	2	8.36	386.	0.016	2118	1	6.31	292.	0.012
9417	16.96	16.96	688	1	2.04	97.	0.004	650	1	1.92	91.	0.004	653	1	1.93	92.	0.004
9418	16.96	16.96	2287	2	6.80	316.	0.013	2166	2	6.44	299.	0.013	2063	2	6.13	285.	0.012
9419	16.96	16.96	3396	3	10.09	471.	0.020	3218	3	9.57	445.	0.019	2493	2	7.41	345.	0.014
9420	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9421	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000
9422	16.96	16.96	2760	1	8.24	378.	0.016	2569	1	7.67	351.	0.015	2245	0.	6.71	306.	0.013
9423	16.96	16.96	1404	0.	4.20	190.	0.008	1316	0.	3.94	178.	0.007	1439	0.	4.31	195.	0.008
9424	16.96	16.96	1118	-1	3.35	151.	0.006	1054	0.	3.16	142.	0.006	1019	0.	3.06	137.	0.006
9425	16.96	16.96	3052	1	9.11	417.	0.017	3006	1	8.97	411.	0.017	2386	1	7.12	326.	0.014
9426	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9427	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9428	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	1	0.00	2.	0.000
9429	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000
9430	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9431	16.96	16.96	3718	3	11.05	515.	0.022	3525	3	10.48	488.	0.020	2555	3	7.58	356.	0.015
9432	16.96	16.96	200	2	0.56	31.	0.001	184	1	0.52	29.	0.001	175	1	0.49	28.	0.001
9433	16.96	16.96	3839	2	11.45	527.	0.022	3644	2	10.87	500.	0.021	3073	2	9.15	423.	0.018
9434	16.96	16.96	4340	3	12.92	598.	0.025	4083	2	12.16	562.	0.023	3445	2	10.27	473.	0.020
9435	16.96	16.96	1153	0.	3.46	156.	0.006	1109	0.	3.32	150.	0.006	1029	0.	3.09	139.	0.006
9436	16.96	16.96	2162	-1	6.48	292.	0.012	2095	-1	6.28	284.	0.012	1578	-1	4.73	213.	0.009
9437	16.96	16.96	3268	0.	9.78	444.	0.018	3224	0.	9.65	438.	0.018	2482	0.	7.43	337.	0.014
9438	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000
9439	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9440	16.96	16.96	2817	2	8.38	389.	0.016	2780	2	8.27	384.	0.016	2404	2	7.15	332.	0.014
9441	16.96	16.96	2896	2	8.63	399.	0.017	3075	2	9.16	423.	0.018	2407	2	7.17	332.	0.014
9442	16.96	16.96	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000
9443	16.96	16.96	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.001	0.	2	0.00	6.	0.001
9444	16.96	16.96	3780	4	11.23	524.	0.022	3596	3	10.69	498.	0.021	2862	2	8.51	396.	0.017
9445	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9446	16.96	16.96	0.	2	0.00	5.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000
9447	16.96	16.96	805	1	2.38	113.	0.005	713	1	2.11	100.	0.004	685	1	2.02	97.	0.004
9448	16.96	16.96	3361	0.	10.06	457.	0.019	3346	0.	10.01	454.	0.019	2655	0.	7.94	361.	0.015
9449	16.96	16.96	2822	1	8.42	386.	0.016	2767	1	8.26	378.	0.016	2227	1	6.65	305.	0.013
9450	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9451	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	0.	0.000
9452	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9453	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9454	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9455	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	7.	0.001
9456	16.96	16.96	3933	4	11.67	547.	0.023	3747	4	11.12	521.	0.022	2862	4	8.48	400.	0.017
9457	16.96	16.96	191	2	0.52	31.	0.001	168	2	0.46	28.	0.001	0.	2	0.00	5.	0.000
9458	16.96	16.96	3247	3	9.66	449.	0.019	3091	2	9.19	427.	0.018	2503	3	7.43	348.	0.015
9459	16.96	16.96	4372	3	13.01	603.	0.025	4156	3	12.37	573.	0.024	3468	2	10.33	477.	0.020
9460	16.96	16.96	731	0.	2.19	99.	0.004	656	0.	1.97	89.	0.004	458	0.	1.38	62.	0.003
9461	16.96	16.96	515	0.	1.54	69.	0.003	441	0.	1.32	59.	0.002	294	0.	0.88	39.	0.002
9462	16.96	16.96	7	0.	0.02	0.	0.000	0.	0.	0.01	0.	0.000	68	0.	0.21	9.	0.000
9463	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000
9464	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	0.	0.000
9465	16.96	16.96	1659	1	4.95	227.	0.009	1641	1	4.90	225.	0.009	1574	1	4.69	216.	0.009
9466	16.96	16.96	1711	1	5.10	235.	0.010	1900	1	5.67	261.	0.011	1573	1	4.69	216.	0.009
9467	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9468	16.96	16.96	0.	2	0.00	5.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000
9469	16.96	16.96	0.	2	0.00	6.	0.000	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000
9470	16.96	16.96	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.000	0.	2	0.00	6.	0.000
9471	16.96	16.96	2273	2	6.77	313.	0.013	2172	1	6.47	299.	0.013	1588	1	4.72	220.	0.009
9472	16.96	16.96	446	2	1.28	67.	0.003	403	2	1.16	61.	0.003	558	2	1.62	82.	0.004
9473	16.96	16.96	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000	222	-1	0.67	29.	0.001
9474	16.96	16.96	2009	-1	6.02	272.	0.011	2017	0.	6.04	273.	0.011	1712	-1	5.13	231.	0.010
9475	16.96	16.96	1518	0.	4.53	207.	0.009	1550	0.	4.63	212.	0.009	1401	0.	4.19	191.	0.008
9476	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9477	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9478	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9479	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9480	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000
9481	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9482	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	7.	0.001
9483	16.96	16.96	2217	4	6.55	313.	0.013	2126	4	6.28	299.	0.013	1528	4	4.50	218.	0.009
9484	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.01	0.	0.000
9485	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9486	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9487	16.96	16.96	0.	2	0.00	4.	0.000	0.	1	0.00	4.	0.000	72	1	0.18	13.	0.001
9488	16.96	16.96	0.	2	0.00	6.	0.000	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000
9489	16.96	16.96	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.000	0.	2	0.00	5.	0.000
9490	16.96	16.96	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.001	0.	2	0.00	6.	0.000
9491	16.96	16.96	0.	3	0.00	7.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	7.	0.001
9492	16.96	16.96	1505	-2	4.54	200.	0.008	1391	-2	4.20	184.	0.008	1270	-2	3.83	168.	0.007
9493	16.96	16.96	38	-1	0.12	3.	0.000	73	-1	0.23	8.	0.000	274	-1	0.83	36.	0.001
9494	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9495	16.96	16.96	2812	2	8.36	389.	0.016	2985	2	8.88	413.	0.017	2401	2	7.14	333.	0.014
9496	16.96	16.96	2811	3	8.35	390.	0.016	2769	2	8.23	383.	0.016	2088	2	6.20	290.	0.012

9497	16.96	16.96	1971	2	5.86	273.	0.011	1939	2	5.76	268.	0.011	1588	1	4.73	219.	0.009
9498	16.96	16.96	666	1	1.98	93.	0.004	657	1	1.95	91.	0.004	400	1	1.18	56.	0.002
9499	16.96	16.96	260	1	0.76	37.	0.002	244	1	0.72	35.	0.001	128	1	0.37	19.	0.001
9500	16.96	16.96	586	1	1.74	81.	0.003	548	0.	1.63	76.	0.003	541	0.	1.61	75.	0.003
9501	16.96	16.96	2467	2	7.33	341.	0.014	2316	2	6.89	320.	0.013	1982	1	5.90	273.	0.011
9502	16.96	16.96	3311	4	9.82	462.	0.019	3119	4	9.25	434.	0.018	2595	3	7.70	361.	0.015
9503	16.96	16.96	3690	4	10.95	513.	0.022	3468	4	10.30	482.	0.020	2782	3	8.26	386.	0.016
9504	16.96	16.96	0.	3	0.00	7.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	7.	0.001
9505	16.96	16.96	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001	0.	3	0.00	8.	0.001
9506	16.96	16.96	0.	3	0.00	10.	0.001	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001
9507	16.96	16.96	0.	4	0.00	11.	0.001	0.	3	0.00	10.	0.001	26	3	0.00	13.	0.001
9508	16.96	16.96	2176	5	6.40	310.	0.013	2025	5	5.96	288.	0.012	1666	4	4.90	237.	0.010
9509	16.96	16.96	1480	2	4.37	208.	0.009	1269	2	3.75	178.	0.008	1135	2	3.35	160.	0.007
9510	16.96	16.96	0.	-2	0.04	-1.	0.000	0.	-2	0.04	-1.	0.000	0.	-2	0.03	0.	0.000
9511	16.96	16.96	2163	1	6.45	297.	0.012	1949	1	5.81	267.	0.011	1846	1	5.51	253.	0.011
9512	16.96	16.96	1715	1	5.11	235.	0.010	1933	1	5.76	265.	0.011	1572	1	4.68	216.	0.009
9513	16.96	16.96	2931	2	8.73	404.	0.017	3103	2	9.24	427.	0.018	2435	2	7.25	336.	0.014
9514	16.96	16.96	2887	2	8.60	397.	0.017	2843	2	8.47	391.	0.016	2121	1	6.32	292.	0.012
9515	16.96	16.96	1865	1	5.56	256.	0.011	1840	1	5.49	253.	0.011	1598	1	4.77	219.	0.009
9516	16.96	16.96	663	0.	1.98	91.	0.004	655	0.	1.95	90.	0.004	406	0.	1.21	56.	0.002
9517	16.96	16.96	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001	240	3	0.64	41.	0.002
9518	16.96	16.96	1418	1	4.22	196.	0.008	1263	1	3.76	174.	0.007	835	1	2.48	116.	0.005
9519	16.96	16.96	266	1	0.77	39.	0.002	203	1	0.59	30.	0.001	0.	1	0.00	2.	0.000
9520	16.96	16.96	1385	1	4.12	191.	0.008	1347	1	4.01	186.	0.008	1307	1	3.90	179.	0.007
9521	16.96	16.96	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9522	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9523	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9524	16.96	16.96	1748	0.	5.22	239.	0.010	1707	0.	5.10	233.	0.010	1550	0.	4.63	211.	0.009
9525	16.96	16.96	1563	0.	4.67	213.	0.009	1511	0.	4.52	206.	0.009	1525	0.	4.56	208.	0.009
9526	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9527	16.96	16.96	261	1	0.77	37.	0.002	246	1	0.72	35.	0.001	131	1	0.38	19.	0.001
9528	16.96	16.96	570	1	1.69	80.	0.003	534	1	1.58	75.	0.003	537	1	1.59	75.	0.003
9529	16.96	16.96	2208	1	6.59	303.	0.013	2085	1	6.22	286.	0.012	1957	1	5.83	269.	0.011
9530	16.96	16.96	3471	1	10.36	475.	0.020	3279	1	9.78	449.	0.019	2566	1	7.64	353.	0.015
9531	16.96	16.96	3583	2	10.68	492.	0.021	3401	2	10.14	467.	0.020	2795	2	8.32	386.	0.016
9532	16.96	16.96	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000
9533	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	3.	0.000
9534	16.96	16.96	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.000	0.	2	0.00	6.	0.000
9535	16.96	16.96	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001	0.	3	0.00	8.	0.001
9536	16.96	16.96	0.	4	0.00	11.	0.001	0.	3	0.00	10.	0.001	0.	3	0.00	9.	0.001
9537	16.96	16.96	0.	5	0.00	13.	0.001	0.	4	0.00	12.	0.001	0.	4	0.00	12.	0.001
9538	16.96	16.96	2524	6	7.42	360.	0.015	2360	6	6.94	336.	0.014	2020	5	5.94	288.	0.012
9539	16.96	16.96	0.	4	0.00	13.	0.001	0.	4	0.00	11.	0.001	0.	4	0.00	11.	0.001
9540	16.96	16.96	9341	3	27.87	1280.	0.053	8504	3	25.37	1165.	0.049	4977	3	14.82	685.	0.029
9541	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9542	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9543	16.96	16.96	1084	1	3.23	149.	0.006	960	0.	2.86	132.	0.005	877	0.	2.62	120.	0.005
9544	16.96	16.96	0.	0.	0.01	0.	0.000	188	0.	0.57	25.	0.001	53	0.	0.17	6.	0.000
9545	16.96	16.96	1709	0.	5.11	232.	0.010	1735	0.	5.19	235.	0.010	1439	0.	4.31	195.	0.008
9546	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9547	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	1.	0.000
9548	16.96	16.96	1674	1	4.99	229.	0.010	1872	1	5.58	257.	0.011	1595	1	4.76	219.	0.009
9549	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9550	16.96	16.96	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000	0.	1	0.00	2.	0.000
9551	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9552	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9553	16.96	16.96	300	1	0.87	44.	0.002	278	1	0.81	40.	0.002	770	1	2.28	108.	0.005
9554	16.96	16.96	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.000	247	2	0.69	40.	0.002
9555	16.96	16.96	5088	4	15.13	703.	0.029	4600	4	13.68	636.	0.027	3454	4	10.25	480.	0.020
9556	16.96	16.96	2666	2	7.93	368.	0.015	2591	2	7.71	357.	0.015	1777	2	5.28	246.	0.010
9557	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9558	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9559	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9560	16.96	16.96	2592	1	7.74	355.	0.015	2471	1	7.38	338.	0.014	1940	1	5.79	265.	0.011
9561	16.96	16.96	2708	1	8.09	370.	0.015	2630	1	7.86	359.	0.015	1913	0.	5.71	261.	0.011
9562	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9563	16.96	16.96	1727	0.	5.16	236.	0.010	1687	0.	5.04	230.	0.010	1511	0.	4.52	206.	0.009
9564	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9565	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	3.	0.000
9566	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000	59	1	0.15	11.	0.000
9567	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9568	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9569	16.96	16.96	439	0.	1.31	60.	0.003	419	0.	1.25	57.	0.002	734	0.	2.19	101.	0.004
9570	16.96	16.96	0.	4	0.00	12.	0.001	0.	4	0.00	10.	0.001	0.	3	0.00	10.	0.001
9571	16.96	16.96	0.	6	0.00	17.	0.001	0.	5	0.00	15.	0.001	0.	5	0.00	15.	0.001
9572	16.96	16.96	13115	0.	39.23	1783.	0.082	12111	0.	36.22	1647.	0.073	10356	0.	30.96	1410.	0.059
9573	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9574	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9575	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9576	16.96	16.96	2443	1	7.30	334.	0.014	2465	1	7.36	337.	0.014	1863	0.	5.56	254.	0.011
9577	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.00	0.	0.000
9578	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9579	16.96	16.96	2489	1	7.43	341.	0.014	2432	1	7.26	333.	0.014	1897	1	5.66	260.	0.011
9580	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	0.	0.000	14	0.	0.04	2.	0.000
9581	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9582	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9583	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9584	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9585	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9586	16.96	16.96	2759	2	8.22	380.	0.016	2705	2	8.06	372.	0.016	2164	1	6.44	298.	0.012
9587	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9588	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000
9589	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.00	0.	0.000
9590	16.96	16.96	2748	0.	8.21	375.	0.016	2639	0.	7.88	360.	0.015	2213	0.	6.61	302.	0.013
9591	16.96	16.96	2659	0.	7.95	362.	0.015	2602	0.	7.78	354.	0.015	2207	0.	6.60	301.	0.012
9592	16.96	16.96	0.	-1	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000
9593	16.96	16.96	2745	1	8.20	375.	0.016	2653	0.	7.92	362.	0.015	1904	0.	5.69	260.	0.011
9594	16.96	16.96	1530	0.	4.57	209.	0.009	1493	0.	4.46	203.	0.008	1520	0.	4.55	207.	0.009
9595	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9596	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9597	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9598	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000

9599	16.96	16.96	0.	6	0.00	18.	0.001	0.	5	0.00	16.	0.001	0.	5	0.00	15.	0.001
9600	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000
9601	16.96	16.96	3366	-1	10.09	455.	0.019	2999	-1	8.99	405.	0.017	1952	0.	5.84	265.	0.011
9602	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9603	16.96	16.96	2287	0.	6.83	312.	0.013	2286	0.	6.83	312.	0.013	1980	0.	5.91	270.	0.011
9604	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000
9605	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.01	0.	0.000
9606	16.96	16.96	2610	0.	7.80	356.	0.015	2546	0.	7.61	347.	0.014	2163	0.	6.46	295.	0.012
9607	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.01	0.	0.000
9608	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9609	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9610	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9611	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9612	16.96	16.96	629	3	1.82	93.	0.004	593	3	1.72	88.	0.004	1115	2	3.29	158.	0.007
9613	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.00	0.	0.000
9614	16.96	16.96	6558	10	19.40	920.	0.039	5981	9	17.69	839.	0.035	3488	2	10.40	479.	0.020
9615	16.96	16.96	1746	1	5.21	239.	0.010	1738	0.	5.19	238.	0.010	1515	0.	4.52	207.	0.009
9616	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000
9617	16.96	16.96	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000
9618	16.96	16.96	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000
9619	16.96	16.96	1732	0.	5.18	236.	0.010	1693	0.	5.07	230.	0.010	1504	0.	4.50	204.	0.008
9620	16.96	16.96	1536	0.	4.59	209.	0.009	1509	0.	4.51	205.	0.009	1471	0.	4.40	200.	0.008
9621	16.96	16.96	0.	-1	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000
9622	16.96	16.96	2733	0.	8.17	372.	0.015	2658	0.	7.94	362.	0.015	2210	0.	6.60	301.	0.013
9623	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9624	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9625	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9626	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9627	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9628	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9629	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9630	16.96	16.96	134	9	0.00	43.	0.002	106	8	0.00	37.	0.002	344	7	0.82	67.	0.003
9631	16.96	16.96	1974	0.	5.90	269.	0.011	1821	0.	5.44	248.	0.010	1286	0.	3.84	176.	0.007
9632	16.96	16.96	1535	0.	4.58	210.	0.009	1540	0.	4.60	210.	0.009	1290	0.	3.85	176.	0.007
9633	16.96	16.96	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000
9634	16.96	16.96	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000
9635	16.96	16.96	1659	0.	4.96	225.	0.009	1633	0.	4.88	222.	0.009	1463	0.	4.38	199.	0.008
9636	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000
9637	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9638	16.96	16.96	2887	3	8.58	400.	0.017	2832	2	8.42	392.	0.016	2417	2	7.18	335.	0.014
9639	16.96	16.96	2849	3	8.46	395.	0.017	2792	3	8.30	387.	0.016	2117	2	6.29	294.	0.012
9640	16.96	16.96	2008	2	5.97	278.	0.012	1966	1	5.85	271.	0.011	1639	1	4.88	226.	0.009
9641	16.96	16.96	740	0.	2.20	102.	0.004	727	0.	2.17	100.	0.004	474	0.	1.41	66.	0.003
9642	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.001
9643	16.96	16.96	3046	1	9.09	417.	0.017	2817	1	8.41	385.	0.016	2744	1	8.19	376.	0.016
9644	16.96	16.96	864	0.	2.58	118.	0.005	709	0.	2.12	97.	0.004	855	0.	2.55	117.	0.005
9645	16.96	16.96	1520	1	4.53	209.	0.009	1456	1	4.34	200.	0.008	1148	0.	3.42	157.	0.007
9646	16.96	16.96	1734	1	5.17	238.	0.010	1589	1	4.74	218.	0.009	1058	0.	3.16	145.	0.006
9647	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	8	0.	0.03	0.	0.000
9648	16.96	16.96	0.	-1	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.00	0.	0.000
9649	16.96	16.96	1216	0.	3.63	167.	0.007	1135	0.	3.39	155.	0.006	799	0.	2.39	109.	0.005
9650	16.96	16.96	1421	1	4.24	195.	0.008	1310	0.	3.91	179.	0.007	834	0.	2.49	114.	0.005
9651	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9652	16.96	16.96	1608	0.	4.81	218.	0.009	1578	0.	4.72	214.	0.009	1511	0.	4.52	205.	0.009
9653	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000
9654	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9655	16.96	16.96	366	0.	1.09	50.	0.002	346	0.	1.03	48.	0.002	228	0.	0.68	32.	0.001
9656	16.96	16.96	713	0.	2.13	97.	0.004	673	0.	2.01	92.	0.004	672	0.	2.01	92.	0.004
9657	16.96	16.96	2589	1	7.72	355.	0.015	2440	1	7.28	335.	0.014	2091	1	6.24	287.	0.012
9658	16.96	16.96	3375	3	10.04	466.	0.020	3207	2	9.54	443.	0.019	2525	2	7.51	349.	0.015
9659	16.96	16.96	3774	3	11.22	522.	0.022	3595	3	10.69	497.	0.021	2867	3	8.52	397.	0.017
9660	16.96	16.96	3021	7	8.88	431.	0.018	2806	7	8.25	400.	0.017	2817	4	8.33	395.	0.017
9661	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.00	0.	0.000
9662	16.96	16.96	1473	0.	4.40	202.	0.008	1358	0.	4.05	186.	0.008	894	0.	2.67	122.	0.005
9663	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000
9664	16.96	16.96	1978	1	5.90	272.	0.011	1922	1	5.73	264.	0.011	1683	1	5.02	231.	0.010
9665	16.96	16.96	3022	2	9.01	416.	0.017	2957	1	8.81	406.	0.017	2535	2	7.55	349.	0.015
9666	16.96	16.96	3030	2	9.03	416.	0.017	2961	1	8.83	407.	0.017	2217	1	6.61	305.	0.013
9667	16.96	16.96	1982	1	5.91	271.	0.011	1953	1	5.83	267.	0.011	1678	0.	5.01	229.	0.010
9668	16.96	16.96	752	0.	2.25	102.	0.004	743	0.	2.22	101.	0.004	479	0.	1.43	65.	0.003
9669	16.96	16.96	2161	2	6.42	300.	0.013	2068	2	6.15	287.	0.012	1623	1	4.83	225.	0.009
9670	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.001
9671	16.96	16.96	5385	2	16.06	739.	0.031	4926	2	14.69	676.	0.028	1786	0.	5.34	243.	0.010
9672	16.96	16.96	3096	3	9.21	428.	0.018	2891	2	8.60	399.	0.017	2462	1	7.34	338.	0.014
9673	16.96	16.96	3419	2	10.18	472.	0.020	3165	2	9.42	436.	0.018	2694	1	8.03	370.	0.015
9674	16.96	16.96	315	0.	0.94	43.	0.002	284	0.	0.85	39.	0.002	401	0.	1.20	55.	0.002
9675	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9676	16.96	16.96	2527	3	7.50	352.	0.015	2355	3	6.99	327.	0.014	1989	1	5.92	274.	0.011
9677	16.96	16.96	2748	3	8.15	383.	0.016	2536	3	7.52	353.	0.015	2149	2	6.40	297.	0.012
9678	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	0.	0.000	72	0.	0.21	10.	0.000
9679	16.96	16.96	1411	0.	4.21	193.	0.008	1288	0.	3.85	176.	0.007	941	0.	2.81	128.	0.005
9680	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9681	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9682	16.96	16.96	348	0.	1.03	48.	0.002	343	0.	1.02	48.	0.002	224	0.	0.66	31.	0.001
9683	16.96	16.96	679	1	2.02	94.	0.004	663	1	1.97	92.	0.004	668	1	1.98	93.	0.004
9684	16.96	16.96	2358	2	7.01	326.	0.014	2234	2	6.64	309.	0.013	2122	2	6.31	293.	0.012
9685	16.96	16.96	3902	4	11.59	541.	0.023	3672	3	10.91	509.	0.021	2651	3	7.87	369.	0.016
9686	16.96	16.96	4126	5	12.25	574.	0.024	3905	4	11.59	542.	0.023	2990	4	8.87	417.	0.018
9687	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	1.	0.000
9688	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	-1	0.01	0.	0.000
9689	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.01	0.	0.000
9690	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	66	0.	0.20	9.	0.000
9691	16.96	16.96	2884	3	8.55	402.	0.017	2653	3	7.87	369.	0.015	2253	1	6.71	311.	0.013
9692	16.96	16.96	2932	3	8.71	406.	0.017	2612	3	7.75	363.	0.015	2274	1	6.77	313.	0.013
9693	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9694	16.96	16.96	1533	0.	4.58	209.	0.009	1610	0.	4.81	220.	0.009	1699	0.	5.07	232.	0.010
9695	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9696	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9697	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9698	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9699	16.96	16.96	2252	3	6.66	316.	0.013	2145	3	6.35	300.	0.013	1646	3	4.87	231.	0.010
9700	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	7.	0.001

9701	16.96	16.96	4440	5	13.17	619.	0.026	4146	5	12.30	576.	0.024	3377	4	10.02	470.	0.020
9702	16.96	16.96	4909	5	14.57	682.	0.029	4555	5	13.53	632.	0.027	3595	4	10.67	500.	0.021
9703	16.96	16.96	53	0.	0.16	8.	0.000	44	0.	0.13	6.	0.000	0.	0.	0.00	0.	0.000
9704	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	0.	0.00	1.	0.000
9705	16.96	16.96	3858	5	11.44	537.	0.023	3580	4	10.62	498.	0.021	2806	4	8.32	392.	0.016
9706	16.96	16.96	4564	5	13.54	636.	0.027	4232	5	12.56	589.	0.025	2988	4	8.86	417.	0.018
9707	16.96	16.96	2639	1	7.87	362.	0.015	2499	1	7.45	343.	0.014	1954	1	5.82	268.	0.011
9708	16.96	16.96	1537	1	4.58	211.	0.009	1691	1	5.05	232.	0.010	1622	0.	4.84	222.	0.009
9709	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9710	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000
9711	16.96	16.96	0.	2	0.00	6.	0.001	0.	2	0.00	6.	0.000	0.	2	0.00	6.	0.000
9712	16.96	16.96	0.	2	0.00	7.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.001
9713	16.96	16.96	0.	2	0.00	6.	0.001	0.	2	0.00	6.	0.000	0.	2	0.00	6.	0.000
9714	16.96	16.96	293	1	0.85	43.	0.002	373	1	1.09	54.	0.002	120	1	0.34	19.	0.001
9715	16.96	16.96	3219	5	9.53	451.	0.019	2930	4	8.67	410.	0.017	2670	3	7.92	371.	0.016
9716	16.96	16.96	312	0.	0.94	41.	0.002	295	0.	0.89	39.	0.002	4	-1	0.00	0.	0.000
9717	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000
9718	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000
9719	16.96	16.96	4937	4	14.68	683.	0.029	4581	4	13.63	633.	0.027	3099	3	9.20	431.	0.018
9720	16.96	16.96	4520	5	13.41	630.	0.026	3935	4	11.68	546.	0.023	3071	3	9.12	426.	0.018
9721	16.96	16.96	2678	1	7.99	366.	0.015	2602	1	7.77	355.	0.015	2228	0.	6.65	304.	0.013
9722	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9723	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9724	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9725	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9726	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000
9727	16.96	16.96	21	2	0.00	9.	0.001	16	2	0.00	8.	0.000	237	2	0.67	37.	0.002
9728	16.96	16.96	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.001	0.	2	0.00	6.	0.000
9729	16.96	16.96	6457	10	19.10	907.	0.038	6005	10	17.76	843.	0.036	2697	7	7.91	387.	0.016
9730	16.96	16.96	400	-3	1.25	46.	0.002	56	-3	0.18	2.	0.000	304	-1	0.93	38.	0.002
9731	16.96	16.96	3340	0.	9.99	454.	0.019	3178	0.	9.51	432.	0.018	2509	0.	7.51	340.	0.014
9732	16.96	16.96	4240	1	12.66	579.	0.024	3978	1	11.88	543.	0.023	2630	1	7.85	360.	0.015
9733	16.96	16.96	2953	0.	8.82	403.	0.017	2815	0.	8.41	384.	0.016	2040	0.	6.10	278.	0.012
9734	16.96	16.96	1767	0.	5.28	240.	0.010	1714	0.	5.13	233.	0.010	1688	0.	5.05	229.	0.010
9735	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000
9736	16.96	16.96	0.	2	0.00	5.	0.000	0.	2	0.00	4.	0.000	0.	2	0.00	4.	0.000
9737	16.96	16.96	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000
9738	16.96	16.96	0.	2	0.00	5.	0.000	0.	2	0.00	4.	0.000	0.	1	0.00	4.	0.000
9739	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	3.	0.000
9740	16.96	16.96	2814	1	8.39	387.	0.016	2558	1	7.62	352.	0.015	2099	1	6.25	289.	0.012
9741	16.96	16.96	1786	0.	5.34	244.	0.010	1745	0.	5.21	238.	0.010	1548	0.	4.63	211.	0.009
9742	16.96	16.96	3103	0.	9.28	422.	0.018	2987	0.	8.93	406.	0.017	2351	0.	7.03	320.	0.013
9743	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000
9744	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000
9745	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9746	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9747	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9748	16.96	16.96	0.	2	0.00	6.	0.000	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000
9749	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9750	16.96	16.96	4111	6	12.17	576.	0.024	3780	6	11.19	530.	0.022	2784	5	8.23	392.	0.017
9751	16.96	16.96	3689	-4	11.11	491.	0.020	3351	-4	10.10	445.	0.018	2641	-3	7.96	351.	0.015
9752	16.96	16.96	1380	1	4.11	190.	0.008	1263	1	3.76	174.	0.007	917	1	2.73	126.	0.005
9753	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.00	0.	0.000
9754	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.00	0.	0.000
9755	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9756	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9757	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9758	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000
9759	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9760	16.96	16.96	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000	0.	-1	0.02	0.	0.000
9761	16.96	16.96	2858	4	8.46	400.	0.017	2636	4	7.81	368.	0.016	2198	2	6.53	305.	0.013
9762	16.96	16.96	1868	0.	5.58	255.	0.011	1826	0.	5.46	249.	0.010	1603	0.	4.79	218.	0.009
9763	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.00	0.	0.000
9764	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	0.	0.000
9765	16.96	16.96	2442	2	7.25	339.	0.014	2447	2	7.27	339.	0.014	2048	2	6.08	284.	0.012
9766	16.96	16.96	2409	3	7.15	335.	0.014	2409	2	7.16	334.	0.014	1702	2	5.05	237.	0.010
9767	16.96	16.96	1456	2	4.32	202.	0.008	1490	1	4.43	207.	0.009	1217	1	3.62	168.	0.007
9768	16.96	16.96	297	0.	0.88	42.	0.002	345	0.	1.02	48.	0.002	152	0.	0.44	22.	0.001
9769	16.96	16.96	2024	2	6.02	279.	0.012	1860	1	5.54	256.	0.011	1555	1	4.62	215.	0.009
9770	16.96	16.96	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000	0.	1	0.00	4.	0.000
9771	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000	0.	0.	0.00	0.	0.000
9772	16.96	16.96	3998	8	11.79	566.	0.024	3718	7	10.97	525.	0.022	3017	6	8.90	427.	0.018
9773	16.96	16.96	1509	1	4.49	209.	0.009	1387	1	4.13	192.	0.008	970	1	2.89	134.	0.006
9774	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9775	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9776	16.96	16.96	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000	0.	1	0.00	2.	0.000
9777	16.96	16.96	284	0.	0.84	40.	0.002	308	0.	0.91	43.	0.002	345	0.	1.02	48.	0.002
9778	16.96	16.96	1899	2	5.65	263.	0.011	1841	1	5.48	254.	0.011	1726	1	5.14	238.	0.010
9779	16.96	16.96	3317	3	9.85	460.	0.019	3139	3	9.33	435.	0.018	2352	2	6.98	326.	0.014
9780	16.96	16.96	3408	4	10.12	473.	0.020	3304	3	9.82	458.	0.019	2640	3	7.84	366.	0.015
9781	16.96	16.96	4810	9	14.21	678.	0.029	4407	8	13.02	620.	0.026	3307	7	9.75	468.	0.020
9782	16.96	16.96	3104	5	9.18	436.	0.018	2843	5	8.41	399.	0.017	2321	3	6.89	323.	0.014
9783	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9784	16.96	16.96	1234	0.	3.68	169.	0.007	1280	0.	3.82	175.	0.007	1289	0.	3.85	177.	0.007
9785	16.96	16.96	2254	1	6.73	308.	0.013	2261	1	6.75	309.	0.013	1753	0.	5.23	240.	0.010
9786	16.96	16.96	2058	0.	6.15	281.	0.012	2083	0.	6.22	284.	0.012	1532	0.	4.57	209.	0.009
9787	16.96	16.96	1344	0.	4.02	183.	0.008	1396	0.	4.17	190.	0.008	1130	0.	3.38	154.	0.006
9788	16.96	16.96	337	0.	1.01	45.	0.002	392	0.	1.18	53.	0.002	183	0.	0.55	25.	0.001
9789	16.96	16.96	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9790	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.01	0.	0.000
9791	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000
9792	16.96	16.96	3112	1	9.28	426.	0.018	2909	1	8.68	398.	0.017	2245	1	6.70	308.	0.013
9793	16.96	16.96	4370	2	13.03	599.	0.025	4027	1	12.01	552.	0.023	2527	1	7.54	347.	0.014
9794	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9795	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	1.	0.000
9796	16.96	16.96	51	1	0.14	8.	0.000	104	1	0.30	16.	0.001	1	1	0.00	2.	0.000
9797	16.96	16.96	374	1	1.10	53.	0.002	406	1	1.19	58.	0.002	406	1	1.19	58.	0.002
9798	16.96	16.96	2178	1	6.48	300.	0.013	2087	1	6.21	287.	0.012	1744	1	5.19	241.	0.010
9799	16.96	16.96	2818	2	8.38	390.	0.016	2735	2	8.14	378.	0.016	2250	2	6.69	312.	0.013
9800	16.96	16.96	3128	3	9.30	433.	0.018	3016	2	8.97	417.	0.017	2479	3	7.36	344.	0.014
9801	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9802	16.96	16.96	1320	0.	3.96	179.	0.007	1354	0.	4.05	183.	0.008	1073	0.	3.21	146.	0.006

9803	16.96	16.96	0.	-1	0.03	0.	0.000	0.	-1	0.02	0.	0.000	0.	-1	0.02	0.	0.000
9804	16.96	16.96	0.	-1	0.02	0.	0.000	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000
9805	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9806	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9807	16.96	16.96	3803	0.	11.37	518.	0.022	3612	0.	10.80	492.	0.020	2850	0.	8.52	388.	0.016
9808	16.96	16.96	3407	1	10.18	465.	0.019	3221	1	9.62	440.	0.018	2418	0.	7.22	330.	0.014
9809	16.96	16.96	2288	1	6.82	314.	0.013	2228	1	6.64	306.	0.013	1591	1	4.74	219.	0.009
9810	16.96	16.96	1361	1	4.06	187.	0.008	1320	1	3.94	181.	0.008	1162	0.	3.47	159.	0.007
9811	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9812	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000
9813	16.96	16.96	0.	2	0.00	5.	0.000	0.	1	0.00	4.	0.000	0.	2	0.00	5.	0.000
9814	16.96	16.96	0.	2	0.00	5.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000
9815	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	3.	0.000
9816	16.96	16.96	0.	-1	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	-1	0.01	0.	0.000
9817	16.96	16.96	2393	0.	7.15	327.	0.014	2346	0.	7.01	320.	0.013	1961	0.	5.86	268.	0.011
9818	16.96	16.96	0.	-1	0.02	0.	0.000	0.	-1	0.02	0.	0.000	0.	-1	0.02	0.	0.000
9819	16.96	16.96	0.	-1	0.02	0.	0.000	0.	-1	0.02	0.	0.000	0.	-1	0.02	0.	0.000
9820	16.96	16.96	0.	-2	0.03	0.	0.000	0.	-1	0.03	0.	0.000	0.	-1	0.02	0.	0.000
9821	16.96	16.96	0.	-1	0.01	0.	0.000	0.	-1	0.01	0.	0.000	0.	0.	0.00	0.	0.000
9822	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	1	0.00	2.	0.000
9823	16.96	16.96	1413	0.	4.22	193.	0.008	1301	0.	3.88	178.	0.007	1533	0.	4.58	209.	0.009
9824	16.96	16.96	2502	0.	7.48	340.	0.014	2470	0.	7.39	336.	0.014	1890	0.	5.65	257.	0.011
9825	16.96	16.96	1463	0.	4.38	198.	0.008	1472	0.	4.41	199.	0.008	1514	0.	4.54	205.	0.009
9826	16.96	16.96	0.	2	0.00	5.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000
9827	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000
9828	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9829	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9830	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	2.	0.000
9831	16.96	16.96	5	0.	0.00	0.	0.000	0.	0.	0.01	0.	0.000	103	-1	0.32	12.	0.001
9832	16.96	16.96	0.	-1	0.01	0.	0.000	0.	-1	0.02	0.	0.000	0.	-1	0.01	0.	0.000
9833	16.96	16.96	1599	0.	4.79	217.	0.009	1588	0.	4.75	216.	0.009	1382	0.	4.14	187.	0.008
9834	16.96	16.96	2560	0.	7.66	347.	0.014	2520	0.	7.54	342.	0.014	2083	0.	6.23	283.	0.012
9835	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9836	16.96	16.96	1989	-2	5.98	267.	0.011	1656	-1	4.98	222.	0.009	1434	-1	4.31	193.	0.008
9837	16.96	16.96	1704	-2	5.14	225.	0.009	1418	-2	4.28	187.	0.008	1150	-2	3.47	152.	0.006
9838	16.96	16.96	1690	0.	5.06	229.	0.010	1424	0.	4.26	193.	0.008	1485	0.	4.44	202.	0.008
9839	16.96	16.96	1026	2	3.03	144.	0.006	856	2	2.53	121.	0.005	663	1	1.95	94.	0.004
9840	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	98	0.	0.29	14.	0.001
9841	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9842	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.00	0.	0.000	181	0.	0.54	24.	0.001
9843	16.96	16.96	659	2	1.93	95.	0.004	542	2	1.58	78.	0.003	307	2	0.88	46.	0.002
9844	16.96	16.96	359	2	1.04	53.	0.002	287	1	0.83	43.	0.002	354	1	1.03	51.	0.002
9845	16.96	16.96	526	1	1.55	75.	0.003	455	1	1.34	65.	0.003	497	1	1.47	70.	0.003
9846	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9847	16.96	16.96	198	0.	0.59	28.	0.001	0.	0.	0.00	1.	0.000	9	0.	0.02	2.	0.000
9848	16.96	16.96	5284	5	15.70	732.	0.031	4576	4	13.61	633.	0.026	3017	3	8.96	420.	0.018
9849	16.96	16.96	3008	3	8.94	416.	0.017	2654	3	7.88	369.	0.015	2322	1	6.92	320.	0.013
9850	16.96	16.96	1411	0.	4.21	193.	0.008	1339	0.	4.00	183.	0.008	927	0.	2.77	126.	0.005
9851	16.96	16.96	1505	0.	4.51	204.	0.008	1499	0.	4.49	203.	0.008	1430	0.	4.28	194.	0.008
9852	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000
9853	16.96	16.96	2138	1	6.37	294.	0.012	1758	1	5.24	242.	0.010	1543	1	4.59	213.	0.009
9854	16.96	16.96	7230	-3	21.68	976.	0.041	6481	-2	19.43	875.	0.036	5651	-2	16.93	765.	0.032
9855	16.96	16.96	6861	-5	20.62	919.	0.038	6112	-4	18.37	819.	0.034	5159	-2	15.47	696.	0.029
9856	16.96	16.96	5038	-2	15.10	681.	0.028	4447	-1	13.33	601.	0.025	3720	1	11.10	509.	0.021
9857	16.96	16.96	2792	3	8.28	389.	0.016	2453	3	7.28	342.	0.014	1766	2	5.23	247.	0.010
9858	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9859	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9860	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9861	16.96	16.96	1376	2	4.07	193.	0.008	1201	2	3.55	169.	0.007	965	2	2.85	136.	0.006
9862	16.96	16.96	1397	1	4.15	194.	0.008	1252	1	3.72	173.	0.007	1343	1	4.00	185.	0.008
9863	16.96	16.96	3364	1	10.05	459.	0.019	3107	1	9.28	424.	0.018	2726	0.	8.14	372.	0.015
9864	16.96	16.96	4105	2	12.24	563.	0.023	3819	2	11.39	524.	0.022	3114	1	9.29	427.	0.018
9865	16.96	16.96	4453	2	13.28	611.	0.025	4136	2	12.33	567.	0.024	3305	1	9.86	453.	0.019
9866	16.96	16.96	4339	6	12.86	605.	0.025	4043	5	11.99	563.	0.024	3064	3	9.10	425.	0.018
9867	16.96	16.96	2896	3	8.61	401.	0.017	2675	2	7.96	370.	0.015	2324	1	6.92	320.	0.013
9868	16.96	16.96	1490	0.	4.45	203.	0.008	1406	0.	4.20	192.	0.008	1002	0.	3.00	136.	0.006
9869	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9870	16.96	16.96	5076	3	15.12	698.	0.029	4562	2	13.59	627.	0.026	3929	3	11.69	543.	0.023
9871	16.96	16.96	261	3	0.71	43.	0.002	239	2	0.65	39.	0.002	3527	4	10.47	490.	0.021
9872	16.96	16.96	1896	2	5.63	263.	0.011	1652	2	4.91	229.	0.010	1850	2	5.49	257.	0.011
9873	16.96	16.96	2752	0.	8.22	375.	0.016	2549	0.	7.61	348.	0.014	1913	0.	5.72	261.	0.011
9874	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9875	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9876	16.96	16.96	169	0.	0.50	24.	0.001	126	0.	0.37	18.	0.001	118	0.	0.35	17.	0.001
9877	16.96	16.96	1212	3	3.55	174.	0.007	1094	3	3.21	157.	0.007	3550	3	10.55	492.	0.021
9878	16.96	16.96	2695	1	8.03	371.	0.015	2499	1	7.45	344.	0.014	1810	1	5.39	250.	0.010
9879	16.96	16.96	4127	2	12.30	567.	0.024	3880	2	11.57	533.	0.022	2759	2	8.21	380.	0.016
9880	16.96	16.96	4245	2	12.65	584.	0.024	4007	2	11.94	551.	0.023	3131	2	9.32	432.	0.018
9881	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.00	0.	0.000
9882	16.96	16.96	2464	2	7.33	340.	0.014	2328	2	6.93	321.	0.013	1777	1	5.28	246.	0.010
9883	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9884	16.96	16.96	2152	-1	6.45	291.	0.012	2003	-1	6.00	271.	0.011	1642	0.	4.91	223.	0.009
9885	16.96	16.96	1998	0.	5.97	273.	0.011	1839	0.	5.49	251.	0.010	1737	1	5.18	238.	0.010
9886	16.96	16.96	0.	2	0.00	5.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000
9887	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000
9888	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9889	16.96	16.96	2296	0.	6.87	312.	0.013	2151	0.	6.43	292.	0.012	1864	0.	5.57	254.	0.011
9890	16.96	16.96	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000	0.	0.	0.01	0.	0.000
9891	16.96	16.96	2680	4	7.94	375.	0.016	2565	3	7.60	358.	0.015	1884	3	5.58	264.	0.011
9892	16.96	16.96	1796	2	5.32	251.	0.011	1676	2	4.97	234.	0.010	1067	2	3.16	149.	0.006
9893	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9894	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	3.	0.000
9895	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9896	16.96	16.96	1810	1	5.39	249.	0.010	1710	1	5.09	235.	0.010	1499	1	4.46	207.	0.009
9897	16.96	16.96	2604	4	7.70	365.	0.015	2513	4	7.44	352.	0.015	2147	3	6.36	300.	0.013
9898	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9899	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	4.	0.000
9900	16.96	16.96	1067	-1	3.21	143.	0.006	990	-1	2.98	132.	0.006	966	-1	2.90	130.	0.005
9901	16.96	16.96	2672	7	7.84	383.	0.016	2485	6	7.29	356.	0.015	2176	4	6.42	307.	0.013
9902	16.96	16.96	1293	3	3.81	183.	0.008	1210	2	3.57	171.	0.007	924	2	2.72	131.	0.006
9903	16.96	16.96	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001	0.	3	0.00	8.	0.001
9904	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	3.	0.000

9905	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9906	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9907	16.96	16.96	213	1	0.63	31.	0.001	156	1	0.45	23.	0.001	0.	1	0.00	2.	0.000
9908	16.96	16.96	3698	13	10.78	538.	0.023	3453	12	10.08	501.	0.021	2768	11	8.05	406.	0.017
9909	16.96	16.96	1907	4	5.63	269.	0.011	1719	3	5.08	242.	0.010	1375	2	4.06	194.	0.008
9910	16.96	16.96	8276	2	24.72	1130.	0.047	7527	1	22.48	1028.	0.043	6554	1	19.57	895.	0.037
9911	16.96	16.96	3496	3	10.40	483.	0.020	3254	2	9.68	449.	0.019	2316	2	6.89	320.	0.013
9912	16.96	16.96	3610	16	10.44	536.	0.023	3442	15	9.97	509.	0.022	2891	13	8.37	428.	0.019
9913	16.96	16.96	2728	10	7.94	399.	0.017	2557	9	7.46	372.	0.016	2182	6	6.41	312.	0.013
9914	16.96	16.96	1597	4	4.68	229.	0.010	1382	3	4.06	197.	0.008	1065	3	3.13	153.	0.006
9915	16.96	16.96	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001	0.	3	0.00	8.	0.001
9916	16.96	16.96	1614	1	4.80	223.	0.009	1441	1	4.29	199.	0.008	997	1	2.96	138.	0.006
9917	16.96	16.96	3363	1	10.04	460.	0.019	3044	1	9.08	416.	0.017	2260	1	6.74	310.	0.013
9918	16.96	16.96	4941	1	14.76	674.	0.028	4520	1	13.50	617.	0.026	3316	1	9.90	453.	0.019
9919	16.96	16.96	5110	1	15.27	697.	0.029	4686	1	14.00	639.	0.027	3933	1	11.75	537.	0.022
9920	16.96	16.96	3483	1	10.39	478.	0.020	3126	1	9.32	429.	0.018	2378	1	7.09	327.	0.014
9921	16.96	16.96	1641	1	4.88	227.	0.009	1465	1	4.36	203.	0.008	1442	1	4.29	199.	0.008
9922	16.96	16.96	3437	4	10.19	479.	0.020	3234	4	9.59	451.	0.019	2547	3	7.56	354.	0.015
9923	16.96	16.96	0.	2	0.00	6.	0.001	0.	2	0.00	6.	0.000	0.	1	0.00	3.	0.000
9924	16.96	16.96	3493	1	10.42	479.	0.020	3114	1	9.29	427.	0.018	2354	1	7.02	323.	0.014
9925	16.96	16.96	3386	2	10.09	465.	0.019	3032	1	9.04	416.	0.017	2556	1	7.62	351.	0.015
9926	16.96	16.96	1801	1	5.36	248.	0.010	1620	1	4.83	223.	0.009	1635	1	4.87	225.	0.009
9927	16.96	16.96	3871	1	11.56	529.	0.022	3541	1	10.57	484.	0.020	3124	1	9.33	427.	0.018
9928	16.96	16.96	4661	0.	13.93	635.	0.026	4295	0.	12.84	585.	0.024	3673	0.	10.98	501.	0.021
9929	16.96	16.96	4626	0.	13.83	629.	0.026	4292	0.	12.84	584.	0.024	3726	0.	11.14	507.	0.021
9930	16.96	16.96	218	3	0.58	38.	0.002	150	3	0.37	28.	0.001	479	2	1.39	70.	0.003
9931	16.96	16.96	5021	3	14.96	690.	0.029	4528	3	13.49	623.	0.026	3564	2	10.62	490.	0.020
9932	16.96	16.96	4685	2	13.96	644.	0.027	4242	2	12.64	583.	0.024	3686	2	10.99	506.	0.021
9933	16.96	16.96	916	0.	2.74	125.	0.005	848	0.	2.53	116.	0.005	940	0.	2.81	128.	0.005
9934	16.96	16.96	0.	3	0.00	10.	0.001	0.	3	0.00	8.	0.001	0.	3	0.00	8.	0.001
9935	16.96	16.96	3799	5	11.25	531.	0.022	3420	5	10.12	479.	0.020	2804	3	8.31	391.	0.016
9936	16.96	16.96	733	1	2.17	103.	0.004	637	1	1.89	89.	0.004	475	1	1.40	67.	0.003
9937	16.96	16.96	1110	1	3.30	153.	0.006	991	1	2.95	137.	0.006	818	1	2.43	113.	0.005
9938	16.96	16.96	692	0.	2.06	95.	0.004	616	0.	1.84	85.	0.004	385	0.	1.15	53.	0.002
9939	16.96	16.96	392	0.	1.17	53.	0.002	344	0.	1.03	47.	0.002	0.	0.	0.00	0.	0.000
9940	16.96	16.96	955	0.	2.85	130.	0.005	872	0.	2.60	120.	0.005	1082	0.	3.23	148.	0.006
9941	16.96	16.96	74	3	0.10	18.	0.001	48	3	0.00	14.	0.001	0.	2	0.00	6.	0.000
9942	16.96	16.96	951	2	2.81	134.	0.006	821	2	2.42	116.	0.005	626	1	1.85	88.	0.004
9943	16.96	16.96	0.	2	0.00	6.	0.000	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000
9944	16.96	16.96	0.	2	0.00	6.	0.000	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000
9945	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9946	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9947	16.96	16.96	0.	3	0.00	10.	0.001	0.	3	0.00	9.	0.001	0.	3	0.00	8.	0.001
9948	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	4	0.00	11.	0.001
9949	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	4	0.00	11.	0.001
9950	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9951	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000
9952	16.96	16.96	0.	2	0.00	5.	0.000	0.	2	0.00	4.	0.000	0.	1	0.00	4.	0.000
9953	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9954	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9955	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9956	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9957	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9958	16.96	16.96	276	2	0.77	44.	0.002	236	2	0.65	38.	0.002	453	2	1.31	67.	0.003
9959	16.96	16.96	0.	2	0.00	4.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	3.	0.000
9960	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000
9961	16.96	16.96	0.	3	0.00	8.	0.001	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001
9962	16.96	16.96	0.	3	0.00	8.	0.001	0.	2	0.00	7.	0.001	0.	2	0.00	6.	0.000
9963	16.96	16.96	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000	0.	1	0.00	4.	0.000
9964	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000
9965	16.96	16.96	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9966	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
9967	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000
9968	16.96	16.96	0.	2	0.00	6.	0.000	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000
9969	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9970	16.96	16.96	0.	1	0.00	3.	0.000	0.	1	0.00	2.	0.000	64	1	0.17	11.	0.000
9971	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9972	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9973	16.96	16.96	3190	7	9.40	452.	0.019	2851	6	8.40	404.	0.017	1554	6	4.52	227.	0.010
9974	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000	0.	1	0.00	3.	0.000
9975	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000
9976	16.96	16.96	1696	5	4.97	243.	0.010	1568	4	4.60	225.	0.010	1071	3	3.13	155.	0.007
9977	16.96	16.96	893	3	2.60	130.	0.006	825	3	2.41	120.	0.005	744	2	2.19	107.	0.005
9978	16.96	16.96	86	1	0.23	14.	0.001	13	1	0.00	4.	0.000	0.	1	0.00	3.	0.000
9979	16.96	16.96	102	1	0.29	16.	0.001	24	1	0.05	5.	0.000	7	1	0.00	3.	0.000
9980	16.96	16.96	2409	1	7.19	330.	0.014	2247	1	6.70	308.	0.013	1643	0.	4.90	225.	0.009
9981	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9982	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000
9983	16.96	16.96	2292	1	6.83	315.	0.013	2031	1	6.05	280.	0.012	1134	1	3.38	156.	0.007
9984	16.96	16.96	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000	0.	2	0.00	5.	0.000
9985	16.96	16.96	402	1	1.18	57.	0.002	376	1	1.11	53.	0.002	307	1	0.91	43.	0.002
9986	16.96	16.96	1455	4	4.28	208.	0.009	1344	3	3.95	192.	0.008	989	3	2.90	142.	0.006
9987	16.96	16.96	591	0.	1.76	81.	0.003	524	0.	1.56	72.	0.003	627	0.	1.87	86.	0.004
9988	16.96	16.96	2662	1	7.95	364.	0.015	2470	1	7.37	337.	0.014	2137	0.	6.38	292.	0.012
9989	16.96	16.96	3417	2	10.19	469.	0.020	3193	1	9.52	438.	0.018	2571	1	7.67	353.	0.015
9990	16.96	16.96	3785	2	11.28	520.	0.022	3531	2	10.52	485.	0.020	2852	1	8.50	392.	0.016
9991	16.96	16.96	0.	1	0.00	4.	0.000	0.	1	0.00	4.	0.000	0.	2	0.00	5.	0.000
9992	16.96	16.96	2139	3	6.33	300.	0.013	2071	3	6.14	289.	0.012	1639	2	4.86	228.	0.010
9993	16.96	16.96	1057	1	3.14	147.	0.006	1075	1	3.19	149.	0.006	833	1	2.48	115.	0.005
9994	16.96	16.96	2357	-1	7.08	317.	0.013	2171	-1	6.52	291.	0.012	1333	-1	4.00	179.	0.007
9995	16.96	16.96	972	-1	2.92	130.	0.005	898	-1	2.70	120.	0.005	850	0.	2.54	116.	0.005
9996	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	0.	0.00	1.	0.000
9997	16.96	16.96	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000	0.	1	0.00	2.	0.000
9998	16.96	16.96	4701	3	14.00	647.	0.027	4356	2	12.98	599.	0.025	3390	2	10.10	467.	0.020
9999	16.96	16.96	2691	2	8.01	371.	0.015	2489	2	7.41	343.	0.014	1964	1	5.85	270.	0.011
10000	16.96	16.96	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000	0.	0.	0.00	1.	0.000

11.4 Verifica pali di fondazione

I pali di fondazione presentano diametro pari a 110 cm e lunghezza di 20 m. La seguente tabella riassume schematicamente tutte le verifiche eseguite nei vari casi di calcolo definiti. Per ciascuna verifica è indicato il confronto tra resistenza di calcolo Rd ed azione di calcolo Sd, ed il relativo coefficiente di sicurezza fs.

Tutti i Punti maglia (76), Tutti i casi (24), Tutti i sestetti (98)										
Caso	C.Port. [daN][f.s.]	Cedim. [mm]	R.Tras. [daN][f.s.]	Sp.Ori. [mm]	C.A.:M [daN*cm][f.s.]	C.A.:V [daN][f.s.]	C.A.:t.cls. [daN/cm2][f.s.]	C.A.:t.acc. [daN/cm2][f.s.]	C.A.:fes. [mm][f.s.]	C.A.:% a.lon. [][f.s.]
1: SLU Max Var	PM70-S1 550190/411470 = 1.34	- - -	PM66-S1 7394200/6612 = 1'118.22	- - -	PM3-S1 22430489/4124359 = 5.44	PM66-S1 84360/6612 = 12.76	- - -	- - -	- - -	- - -
2: SLU Max Neve	PM70-S1 550190/394141 = 1.40	- - -	PM66-S1 7394200/6183 = 1'195.99	- - -	PM3-S1 21840041/3836940 = 5.69	PM66-S1 84360/6183 = 13.64	- - -	- - -	- - -	- - -
3: SLU VENTOX 1	PM70-S2 550190/413334 = 1.33	- - -	PM66-S2 7394200/6633 = 1'114.74	- - -	PM3-S1 22422437/4124944 = 5.44	PM66-S2 84360/6633 = 12.72	- - -	- - -	- - -	- - -
4: SLU VENTOY 1	PM70-S1 550190/411470 = 1.34	- - -	PM66-S1 7394200/6612 = 1'118.22	- - -	PM3-S1 22430489/4124359 = 5.44	PM66-S1 84360/6612 = 12.76	- - -	- - -	- - -	- - -
5: SLU VENTOX 2	PM70-S2 550190/396005 = 1.39	- - -	PM66-S2 7394200/6203 = 1'192.01	- - -	PM3-S1 21831888/3837429 = 5.69	PM66-S2 84360/6203 = 13.60	- - -	- - -	- - -	- - -
6: SLU VENTOY 2	PM70-S1 550190/394141 = 1.40	- - -	PM66-S1 7394200/6183 = 1'195.99	- - -	PM3-S1 21840041/3836940 = 5.69	PM66-S1 84360/6183 = 13.64	- - -	- - -	- - -	- - -
7: SLU VENTOX 3	PM70-S2 550190/395439 = 1.39	- - -	PM66-S2 7394200/6096 = 1'212.92	- - -	PM3-S1 21771299/3800316 = 5.73	PM66-S2 84360/6096 = 13.84	- - -	- - -	- - -	- - -
8: SLU VENTOY 3	PM70-S1 550190/392332 = 1.40	- - -	PM66-S1 7394200/6062 = 1'219.80	- - -	PM3-S1 21784910/3799472 = 5.73	PM66-S1 84360/6062 = 13.92	- - -	- - -	- - -	- - -
9: SLU con SISMAX PRINC	PM72-S10 550190/411161 = 1.34	- - -	PM37-S5 7394200/7732 = 956.29	- - -	PM37-S5 10434729/3203620 = 3.26	PM37-S5 84360/7732 = 10.91	- - -	- - -	- - -	PM1-S1 0.6/0.3 = 1.85
10: SLU con SISMAY PRINC	PM56-S4 550190/503644 = 1.09	- - -	PM37-S2 7394200/11312 = 653.66	- - -	PM37-S2 10522712/4927095 = 2.14	PM37-S2 84360/11312 = 7.46	- - -	- - -	- - -	PM1-S1 0.6/0.3 = 1.85
11: SLU FON con SISMAX P	PM72-S10 550190/429389 = 1.28	- - -	PM59-S15 7394200/8071 = 916.14	- - -	PM37-S5 10445073/3289334 = 3.18	PM59-S15 84360/8071 = 10.45	- - -	- - -	- - -	PM1-S1 0.6/0.3 = 1.85
12: SLU FON con SISMAY P	PM56-S4 550190/528385 = 1.04	- - -	PM37-S2 7394200/12011 = 615.64	- - -	PM56-S13 3409634/2070240 = 1.65	PM37-S2 84360/12011 = 7.02	- - -	- - -	- - -	PM1-S1 0.6/0.3 = 1.85
13: Rara	- - -	PM23-S1 -36 (max -40)	- - -	PM66-S1 10 (max 40)	- - -	- - -	PM3-S1 210/30.5 = 6.88	PM3-S1 3600/437.1 = 8.24	- - -	- - -
14: Rara VentoX 1	- - -	PM23-S2 -36 (max -40)	- - -	PM66-S1 10 (max 40)	- - -	- - -	PM3-S2 210/30.5 = 6.88	PM3-S2 3600/437.3 = 8.23	- - -	- - -
15: Rara VentoY 1	- - -	PM23-S1 -36 (max -40)	- - -	PM66-S1 10 (max 40)	- - -	- - -	PM3-S1 210/30.5 = 6.88	PM3-S1 3600/437.1 = 8.24	- - -	- - -
16: Rara VentoX 2	- - -	PM23-S2 -35 (max -40)	- - -	PM66-S1 10 (max 40)	- - -	- - -	PM3-S2 210/28.6 = 7.35	PM3-S2 3600/409.2 = 8.80	- - -	- - -
17: Rara VentoY 2	- - -	PM23-S1 -35	- - -	PM66-S1 10	- - -	- - -	PM3-S1 210/28.5 = 7.36	PM3-S1 3600/408.9 = 8.80	- - -	- - -

		(max -40)		(max 40)						
18: Rara VentoX 3	- - -	PM23-S2 -34 (max -40)	- - -	PM66-S1 10 (max 40)	- - -	- - -	PM3-S2 210/28.37.41 =	PM3-S2 3600/406.28.86 =	- - -	- - -
19: Rara VentoY 3	- - -	PM23-S1 -34 (max -40)	- - -	PM66-S1 9 (max 40)	- - -	- - -	PM3-S1 210/28.37.41 =	PM3-S1 3600/405.78.87 =	- - -	- - -
20: Frequente 1	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	PM1-S1 0.3/0 = +Infinito	- - -
21: Frequente 2	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	PM1-S1 0.3/0 = +Infinito	- - -
22: Frequente VentoX 3	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	PM1-S1 0.3/0 = +Infinito	- - -
23: Frequente VentoY 3	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	PM1-S1 0.3/0 = +Infinito	- - -
24: Quasi Perm	- - -	PM23-S1 -34 (max -40)	- - -	PM66-S1 9 (max 40)	- - -	- - -	PM3-S1 157.5/27.65.72 =	- - -	PM1-S1 0.2/0 = +Infinito	- - -

C.Port. = Capacità portante | Cedim. = Cedimento | R.Tras. = Resistenza trasversale | Sp.Ori. = Spostamento orizzontale | C.A.:M = C.A.: pressoflessione | C.A.:V = C.A.: taglio | C.A.:t.cls. = C.A.: Tens. limite cls | C.A.:t.acc. = C.A.: Tens. limite acciaio | C.A.:fes. = C.A.: apertura fessure | C.A.:% a.lon. = C.A.: % arm. longitudinale | - - - = Verifica non prevista

11.4.1 Stratigrafia

La stratigrafia utilizzata per il calcolo è quella descritta nella relazione geotecnica di calcolo.

11.4.2 Calcolo della portata di base.

Metodo ***AGI*** per il calcolo della portata di base.
Lo strato in cui si immorsa la base del palo si estende da quota -1700 [cm] a quota -2300 [cm]. Segue il calcolo alla quota di base del palo, -2200 [cm].
La base del palo si trova alla quota z_b = -2200 [cm], e la profondità critica è z_c = -1440 [cm]. In questo caso la tensione verticale efficace viene calcolata alla quota critica. Il valori dell'angolo di resistenza al taglio φ'_k e della coesione efficace c'$_k$ vengono ricavati dallo strato in cui si immorsa la base del palo. L'angolo di resistenza al taglio viene corretto secondo l'espressione $\varphi=\varphi$-3. Il coefficiente N_q è calcolato secondo Vesic (1972, 1975, 1977). Il coefficiente N_c è calcolato secondo Reissner (1924). φ'_k = 31.2 [°]. c'$_k$ = 0 [daN/cm^2]. N_c = 41.246. N_q = 23.116. σ'_v = 2.77 [daN/cm^2]. Il valore della capacità portante calcolato è pari a 64.12 [daN/cm^2].
L'area di base vale 11309.73 [cm^2].
La portata di base calcolata vale 725215.46 [daN]. Si applica ξ_{med}=1.70. Si applica γ_b=1.35. Portata di calcolo: $Q_{b,d}$ = **315998.02 [daN]** (s/D=**30.00%**).

11.4.3 Calcolo della portata laterale.

Il fusto del palo attraversa 5 strati.

11.4.3.1.1 Strato 1: Sabbie Ghiaiose

Metodo ***AGI*** per il calcolo della portata laterale.
Il palo attraversa questo strato da quota 0 [cm] a quota -300 [cm]. Segue il calcolo alla quota intermedia di -155 [cm].

La quota critica z_c vale -1200 [cm]. La quota di interesse (-155 [cm]) è al di sopra della profondità critica. L'angolo di resistenza al taglio φ'_k vale 30. Il coefficiente di attrito μ vale 0.577. Il coefficiente di spinta k vale 0.550. La tensione verticale efficace vale σ'_v = 0.17 [daN/cm^2]. L'attrito laterale calcolato vale 0.06 [daN/cm^2]. La portata laterale calcolata vale 9048.09 [daN] (6333.66 [daN]). Si applica ξ_{med}=1.70. Si applicano γ_s=1.15 e γ_{st}=1.25. Portate di calcolo: $Q_{sc,d}$ = **4628.18 [daN]** (s/D=**0.50%**). Qst,d = **2980.55 [daN]** (s/D=**0.50%**).

11.4.3.1.2 Strato 2: Ghiaie Sabbiose

Metodo ***AGI*** per il calcolo della portata laterale.
Il palo attraversa questo strato da quota -300 [cm] a quota -500 [cm]. Segue il calcolo alla quota intermedia di -400 [cm].
La quota critica z_c vale -1200 [cm]. La quota di interesse (-400 [cm]) è al di sopra della profondità critica. L'angolo di resistenza al taglio φ'_k vale 33. Il coefficiente di attrito μ vale 0.649. Il coefficiente di spinta k vale 0.550. La tensione verticale efficace vale σ'_v = 0.8 [daN/cm^2]. L'attrito laterale calcolato vale 0.29 [daN/cm^2]. La portata laterale calcolata vale 21490.38 [daN] (15043.26 [daN]). Si applica ξ_{med}=1.70. Si applicano γ_s=1.15 e γ_{st}=1.25. Portate di calcolo: $Q_{sc,d}$ = **10992.52 [daN]** (s/D=**0.50%**). Qst,d = **7079.18 [daN]** (s/D=**0.50%**).

11.4.3.1.3 Strato 3: Sabbia medio fini/fini

Metodo ***AGI*** per il calcolo della portata laterale.
Il palo attraversa questo strato da quota -500 [cm] a quota -1200 [cm]. Segue il calcolo alla quota intermedia di -850 [cm].
La quota critica z_c vale -1200 [cm]. La quota di interesse (-850 [cm]) è al di sopra della profondità critica. L'angolo di resistenza al taglio φ'_k vale 30. Il coefficiente di attrito μ vale 0.577. Il coefficiente di spinta k vale 0.550. La tensione verticale efficace vale σ'_v = 1.65 [daN/cm^2]. L'attrito laterale calcolato vale 0.52 [daN/cm^2]. La portata laterale calcolata vale 138517.32 [daN] (96962.12 [daN]). Si applica ξ_{med}=1.70. Si applicano γ_s=1.15 e γ_{st}=1.25. Portate di calcolo: $Q_{sc,d}$ = **70852.85 [daN]** (s/D=**0.50%**). Qst,d = **45629.23 [daN]** (s/D=**0.50%**).

11.4.3.1.4 Strato 4: Sabbia

Metodo ***AGI*** per il calcolo della portata laterale.
Il palo attraversa questo strato da quota -1200 [cm] a quota -1700 [cm]. Segue il calcolo alla quota intermedia di -1450 [cm].
La quota critica z_c vale -1200 [cm]. La quota di interesse (-1450 [cm]) è al di sotto della profondità critica, perciò nei calcoli si usa z_c. L'angolo di resistenza al taglio φ'_k vale 31. Il coefficiente di attrito μ vale 0.601. Il coefficiente di spinta k vale 0.550. La tensione verticale efficace vale σ'_v = 2.32 [daN/cm^2]. L'attrito laterale calcolato vale 0.77 [daN/cm^2].
La portata laterale calcolata vale 144394.61 [daN] (101076.23 [daN]). Si applica ξ_{med}=1.70. Si applicano γ_s=1.15 e γ_{st}=1.25. Portate di calcolo: $Q_{sc,d}$ = **73859.14 [daN]** (s/D=**0.50%**). Qst,d = **47565.28 [daN]** (s/D=**0.50%**).

11.4.3.1.5 Strato 5: Sabbie Ghiaiose

Metodo ***AGI*** per il calcolo della portata laterale.
Il palo attraversa questo strato da quota -1700 [cm] a quota -2200 [cm]. Segue il calcolo alla quota intermedia di -1950 [cm].
La quota critica z_c vale -1200 [cm]. La quota di interesse (-1950 [cm]) è al di sotto della profondità critica, perciò nei calcoli si usa z_c. L'angolo di resistenza al taglio φ'_k vale 31. Il coefficiente di attrito μ vale 0.601. Il coefficiente di spinta k vale 0.550. La tensione verticale efficace vale σ'_v = 2.32 [daN/cm^2]. L'attrito laterale calcolato vale 0.77 [daN/cm^2].
La portata laterale calcolata vale 144394.61 [daN] (101076.23 [daN]). Si applica ξ_{med}=1.70. Si applicano γ_s=1.15 e γ_{st}=1.25. Portate di calcolo: $Q_{sc,d}$ = **73859.14 [daN]** (s/D=**0.50%**). Qst,d = **47565.28 [daN]** (s/D=**0.50%**).

11.4.3.1.6 Portata laterale totale

La portata di calcolo $Q_{sc,d}$ è **234191.82 [daN]**, $Q_{st,d}$ è **150819.53 [daN]**.

11.4.4 Portata totale (base + laterale)

La portata di calcolo $Q_{tc,d}$ è **550189.84 [daN]**, $Q_{tt,d}$ è **150819.53 [daN]**.

11.4.5 Calcolo del modulo di reazione orizzontale.

Il fusto del palo attraversa 5 strati.

11.4.5.1.1 Strato 1: Sabbie Ghiaiose

Metodo ***Lineare*** per il calcolo del modulo di reazione orizzontale.
Il palo attraversa questo strato da quota 0 [cm] a quota -300 [cm]. Segue il calcolo alla quota intermedia di -155 [cm].
L'approfondimento vale 155 [cm]. Il modulo di reazione orizzontale calcolato vale 11.5 [daN/cm^2].
Modulo di reazione orizzontale medio: $ks_{o,med}$ = **11.4 [daN/cm^3]**.

11.4.5.1.2 Strato 2: Ghiaie Sabbiose

Metodo ***Lineare*** per il calcolo del modulo di reazione orizzontale.
Il palo attraversa questo strato da quota -300 [cm] a quota -500 [cm]. Segue il calcolo alla quota intermedia di -400 [cm].
L'approfondimento vale 400 [cm]. Il modulo di reazione orizzontale calcolato vale 11.5 [daN/cm^2].
Modulo di reazione orizzontale medio: $ks_{o,med}$ = **11.5 [daN/cm^3]**.

11.4.5.1.3 Strato 3: Sabbia medio fini/fini

Metodo ***Lineare*** per il calcolo del modulo di reazione orizzontale.
Il palo attraversa questo strato da quota -500 [cm] a quota -1200 [cm]. Segue il calcolo alla quota intermedia di -850 [cm].
L'approfondimento vale 850 [cm]. Il modulo di reazione orizzontale calcolato vale 11.5 [daN/cm^2].
Modulo di reazione orizzontale medio: $ks_{o,med}$ = **11.5 [daN/cm^3]**.

11.4.5.1.4 Strato 4: Sabbia

Metodo ***Lineare*** per il calcolo del modulo di reazione orizzontale.
Il palo attraversa questo strato da quota -1200 [cm] a quota -1700 [cm]. Segue il calcolo alla quota intermedia di -1450 [cm].
L'approfondimento vale 1450 [cm]. Il modulo di reazione orizzontale calcolato vale 11.5 [daN/cm^2].
Modulo di reazione orizzontale medio: $ks_{o,med}$ = **11.5 [daN/cm^3]**.

11.4.5.1.5 Strato 5: Sabbie Ghiaiose

Metodo ***Lineare*** per il calcolo del modulo di reazione orizzontale.
Il palo attraversa questo strato da quota -1700 [cm] a quota -2200 [cm]. Segue il calcolo alla quota intermedia di -1950 [cm].
L'approfondimento vale 1950 [cm]. Il modulo di reazione orizzontale calcolato vale 11.5 [daN/cm^2].
Modulo di reazione orizzontale medio: $ks_{o,med}$ = **11.5 [daN/cm^3]**.

11.4.6 Calcolo della resistenza trasversale laterale.

Il fusto del palo attraversa 5 strati.

11.4.6.1.1 Strato 1: Sabbie Ghiaiose

Metodo ***Broms*** per il calcolo della resistenza trasversale laterale.
Il palo attraversa questo strato da quota 0 [cm] a quota -300 [cm]. Segue il calcolo alla quota intermedia di -155 [cm].
L'angolo di resistenza al taglio φ'_k vale 30. La tensione verticale efficace vale σ'_v = 0.17 [daN/cm^2]. La pressione limite laterale calcolata vale 1.56 [daN/cm^2].
La resistenza trasversale laterale calcolata vale 256446.91 [daN]. Si applica ξ_{med}=1.70. Si applica γ_{tr}=1.30.
Resistenza trasversale di calcolo: $R_{tr,d}$ = **116039.32 [daN]**.

11.4.6.1.2 Strato 2: Ghiaie Sabbiose

Metodo ***Broms*** per il calcolo della resistenza trasversale laterale.
Il palo attraversa questo strato da quota -300 [cm] a quota -500 [cm]. Segue il calcolo alla quota intermedia di -400 [cm].
L'angolo di resistenza al taglio φ'_k vale 33. La tensione verticale efficace vale σ'_v = 0.8 [daN/cm^2]. La pressione limite laterale calcolata vale 8.12 [daN/cm^2].
La resistenza trasversale laterale calcolata vale 612289.01 [daN]. Si applica ξ_{med}=1.70. Si applica γ_{tr}=1.30.
Resistenza trasversale di calcolo: $R_{tr,d}$ = **277053.85 [daN]**.

11.4.6.1.3 Strato 3: Sabbia medio fini/fini

Metodo ***Broms*** per il calcolo della resistenza trasversale laterale.
Il palo attraversa questo strato da quota -500 [cm] a quota -1200 [cm]. Segue il calcolo alla quota intermedia di -850 [cm].
L'angolo di resistenza al taglio φ'_k vale 30. La tensione verticale efficace vale σ'_v = 1.65 [daN/cm^2]. La pressione limite laterale calcolata vale 14.88 [daN/cm^2].
La resistenza trasversale laterale calcolata vale 3925947.81 [daN]. Si applica ξ_{med}=1.70. Si applica γ_{tr}=1.30.
Resistenza trasversale di calcolo: $R_{tr,d}$ = **1776446.97 [daN]**.

11.4.6.1.4 Strato 4: Sabbia

Metodo ***Broms*** per il calcolo della resistenza trasversale laterale.
Il palo attraversa questo strato da quota -1200 [cm] a quota -1700 [cm]. Segue il calcolo alla quota intermedia di -1450 [cm].
L'angolo di resistenza al taglio φ'_k vale 31. La tensione verticale efficace vale σ'_v = 2.79 [daN/cm^2]. La pressione limite laterale calcolata vale 26.18 [daN/cm^2].
La resistenza trasversale laterale calcolata vale 4934114.44 [daN]. Si applica ξ_{med}=1.70. Si applica γ_{tr}=1.30.
Resistenza trasversale di calcolo: $R_{tr,d}$ = **2232630.97 [daN]**.

11.4.6.1.5 Strato 5: Sabbie Ghiaiose

Metodo ***Broms*** per il calcolo della resistenza trasversale laterale.
Il palo attraversa questo strato da quota -1700 [cm] a quota -2200 [cm]. Segue il calcolo alla quota intermedia di -1950 [cm].
L'angolo di resistenza al taglio φ'_k vale 31. La tensione verticale efficace vale σ'_v = 3.74 [daN/cm^2]. La pressione limite laterale calcolata vale 35.08 [daN/cm^2].
La resistenza trasversale laterale calcolata vale 6612384.65 [daN]. Si applica ξ_{med}=1.70. Si applica γ_{tr}=1.30.
Resistenza trasversale di calcolo: $R_{tr,d}$ = **2992029.26 [daN]**.

11.4.6.1.6 Resistenza laterale totale

Per palo in grado di traslare rigidamente (meccanismo di palo "corto", assumendo che non via sia rottura strutturale), la resistenza laterale di calcolo $R_{tr,d}$ è **7394200.37 [daN]**. Per palo che ruota in testa (meccanismo di palo "intermedio" o "lungo", assumendo che non via sia rottura strutturale), la resistenza laterale di calcolo $R_{tr,d}$ è **1881416.29 [daN]**.

11.4.7 Curva di mobilitazione verticale

La curva di mobilitazione del palo è definita dalle seguenti coppie di valori, dove s è il cedimento, misurato in [cm], ed E_d è la sollecitazione di sforzo normale (comprensiva del peso proprio del palo), espressa in [daN].

	1	2	3	4
s	-26.67	-0.52	0	0.48
E_d	-550189.84	-240374.39	0	150819.53

Si riassume in seguito il valore di capacità portante per tutti i casi.

Caso	Qst[daN]	Qsc[daN]	Qbc[daN]	Qtt[daN]	Qtc[daN]
C1	150819.53	234191.82	315998.02	**150819.53**	**550189.84**
C2	150819.53	234191.82	315998.02	**150819.53**	**550189.84**
C3	150819.53	234191.82	315998.02	**150819.53**	**550189.84**
C4	150819.53	234191.82	315998.02	**150819.53**	**550189.84**
C5	150819.53	234191.82	315998.02	**150819.53**	**550189.84**
C6	150819.53	234191.82	315998.02	**150819.53**	**550189.84**
C7	150819.53	234191.82	315998.02	**150819.53**	**550189.84**
C8	150819.53	234191.82	315998.02	**150819.53**	**550189.84**
C9	150819.53	234191.82	315998.02	**150819.53**	**550189.84**
C10	150819.53	234191.82	315998.02	**150819.53**	**550189.84**
C11	150819.53	234191.82	315998.02	**150819.53**	**550189.84**
C12	150819.53	234191.82	315998.02	**150819.53**	**550189.84**
C13	320491.51	457845.01	725215.46	**320491.51**	**1183060.47**
C14	320491.51	457845.01	725215.46	**320491.51**	**1183060.47**
C15	320491.51	457845.01	725215.46	**320491.51**	**1183060.47**

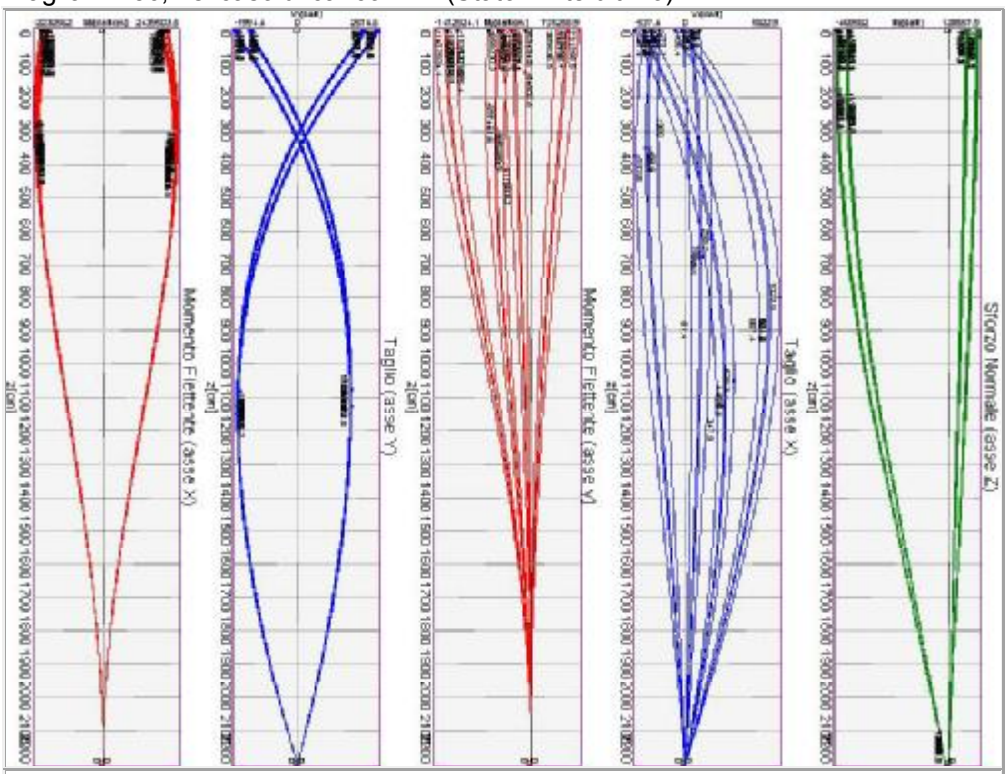
C16	320491.51	457845.01	725215.46	**320491.51**	**1183060.47**
C17	320491.51	457845.01	725215.46	**320491.51**	**1183060.47**
C18	320491.51	457845.01	725215.46	**320491.51**	**1183060.47**
C19	320491.51	457845.01	725215.46	**320491.51**	**1183060.47**
C20	320491.51	457845.01	725215.46	**320491.51**	**1183060.47**
C21	320491.51	457845.01	725215.46	**320491.51**	**1183060.47**
C22	320491.51	457845.01	725215.46	**320491.51**	**1183060.47**
C23	320491.51	457845.01	725215.46	**320491.51**	**1183060.47**
C24	320491.51	457845.01	725215.46	**320491.51**	**1183060.47**
Qst = Portata Laterale in Trazione | Qsc = Portata Laterale in Compressione | Qbc = Portata di Base in Compressione | Qtt = Portata TOTALE in Trazione | Qtc = Portata TOTALE in Compressione					

11.4.8 Calcolo delle sollecitazioni.

Si riporta di seguito il dettaglio delle sollecitazioni calcolate, solo per i punti maglia con i pali più sollecitati. Le caratteristiche di sollecitazione sono espresse nel sistema di riferimento locale del palo.

11.4.8.1 Casi a SLU

I massimi valori di **Sforzo Normale di compressione**, **Sforzo Normale di trazione**, si ottengono nel punto maglia **PM56**, nel caso di carico **C12** (Stato limite ultimo).



Caratteristiche di sollecitazione lungo il palo (punto maglia PM56, caso C12)

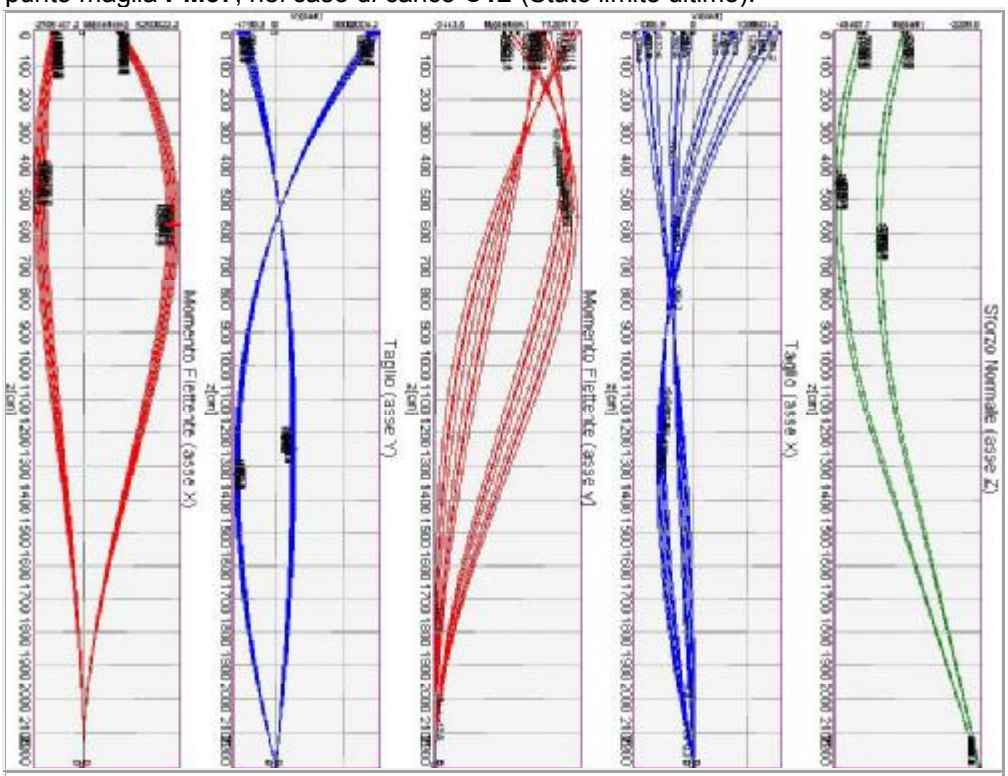
Azioni applicate in testa (punto maglia PM56, caso C12)					
N_z[daN]	V_x[daN]	V_y[daN]	M_x[daN*cm]	M_y[daN*cm]	T_z[daN*cm]
-466181.53÷128557.93	-153.96÷537.44	-2574.6÷1994.36	-2048985÷2139707	-1472924÷731259	-4156÷4533

Caratteristiche di sollecitazione lungo il palo (punto maglia PM56, caso C12)			
z_{loc}[cm]	N_z[daN]	V_{xy}[daN]	M_{xy}[daN*cm]
0	-466181.53÷128557.93	2630.1	2597662
0	-466181.53÷128557.93	2630.1	2597662
25	-466835.88÷127843.69	2512.33	2637648
50	-467385.59÷127114.79	2284.42	2673933
75	-467831.16÷126371.36	2064.07	2705298
100	-468173.09÷125613.54	1851.14	2731889
125	-468411.87÷124841.46	1645.54	2753853
150	-468548÷124055.25	1447.15	2771344

175	-468581.99÷123255.05	1255.88	2784516
190	-468553.57÷122768.26	1144.48	2790410
190	-468553.57÷122768.26	1144.48	2790410
215	-468045.65÷121893.46	964.36	2796993
240	-467023.3÷120948.05	791.08	2799659
265	-465830.88÷119979.73	658.51	2798563
290	-464469.23÷118988.72	665.23	2793859
300	-463877.38÷118586.01	676.52	2791000
300	-463877.38÷118586.01	676.52	2791000
325	-462131÷117543.13	722.09	2781498
350	-460058.1÷116456.32	786.06	2768747
375	-457797.98÷115344.76	861.46	2752895
400	-455351.52÷114208.65	943.18	2734086
425	-452719.61÷113048.21	1027.67	2712463
450	-449903.14÷111863.67	1112.59	2688166
475	-446902.97÷110655.21	1196.37	2661330
500	-443719.94÷109423.05	1277.98	2632091
500	-443719.94÷109423.05	1277.98	2632091
525	-440586.12÷108198.54	1356.74	2600580
550	-437511.82÷106983.05	1432.21	2566925
575	-434277.18÷105746.99	1504.08	2531253
600	-430882.92÷104490.55	1572.18	2493687
625	-427329.74÷103213.88	1636.38	2454346
650	-423618.34÷101917.14	1696.66	2413348
675	-419749.4÷100600.49	1752.95	2370807
700	-415723.59÷99264.08	1805.31	2326835
725	-411541.56÷97908.05	1853.74	2281542
750	-407203.94÷96532.54	1898.3	2235032
775	-402711.36÷95137.7	1939.04	2187410
800	-398064.42÷93723.66	1976.04	2138776
900	-377942.79÷87877.56	2087.93	1936046
1000	-355395.2÷81733.79	2145.9	1724521
1025	-349383.26÷80152.19	2152.56	1670895
1050	-343221.99÷78552.49	2156.25	1617129
1075	-336911.79÷76934.75	2157.03	1563296
1100	-330453.02÷75299.05	2154.99	1509470
1125	-323846.03÷73645.47	2150.19	1455721
1150	-317091.15÷71974.08	2142.72	1402118
1175	-310188.66÷70284.93	2132.62	1348728
1200	-303138.84÷68578.08	2119.97	1295616
1200	-303138.84÷68578.08	2119.97	1295616
1225	-295862.8÷66843.39	2104.84	1242847
1250	-288441.05÷65091.27	2087.28	1190481
1275	-281032.55÷63342.13	2067.34	1138580
1300	-273636.95÷61595.9	2045.09	1087202
1325	-266253.91÷59852.5	2020.59	1036405
1350	-258883.1÷58111.85	1993.88	986245
1375	-251524.18÷56373.87	1965.02	936776
1400	-244176.8÷54638.47	1934.04	888054
1425	-236840.64÷52905.59	1901	840129
1450	-229515.35÷51175.13	1865.93	793054
1475	-222200.59÷49447.02	1828.89	746878
1500	-214896.04÷47721.18	1789.89	701651
1525	-207601.36÷45997.54	1748.99	657422
1550	-200316.21÷44276	1706.21	614237

1575	-193040.25÷42556.5	1661.58	572143
1600	-185773.16÷40838.95	1615.14	531187
1625	-178514.6÷39123.28	1566.91	491414
1650	-171264.23÷37409.4	1516.91	452867
1675	-164021.73÷35697.24	1465.17	415592
1700	-156786.76÷33986.72	1411.71	379631
1700	-156786.76÷33986.72	1411.71	379631
1725	-149558.99÷32277.76	1356.56	345027
1750	-142338.08÷30570.29	1299.71	311823
1775	-135123.71÷28864.21	1241.2	280060
1800	-127915.54÷27159.46	1181.04	249827
1825	-120713.25÷25455.96	1119.23	221268
1850	-113516.5÷23753.63	1055.79	194222
1875	-106324.96÷22052.39	990.74	168735
1900	-99138.3÷20352.16	924.07	144854
1925	-91956.2÷18652.86	855.79	122624
1950	-84778.32÷16954.42	786.79	102091
1975	-77604.33÷15256.76	716.21	83300
2000	-70433.9÷13559.8	643.81	66296
2025	-63266.71÷11863.47	569.63	51124
2050	-56102.42÷10167.67	493.63	37830
2075	-48940.71÷8472.35	415.84	26457
2100	-41781.24÷6777.41	336.26	17052
2125	-34623.69÷5082.79	254.88	9659
2150	-27467.74÷3388.4	171.72	4323
2175	-20313.04÷1694.16	86.76	1088
2200	-13159.28÷0	0	0

I massimi valori di **Taglio (in valore assoluto)**, **Momento flettente (in valore assoluto)**, si ottengono nel punto maglia **PM37**, nel caso di carico **C12** (Stato limite ultimo).



Caratteristiche di sollecitazione lungo il palo (punto maglia PM37, caso C12)

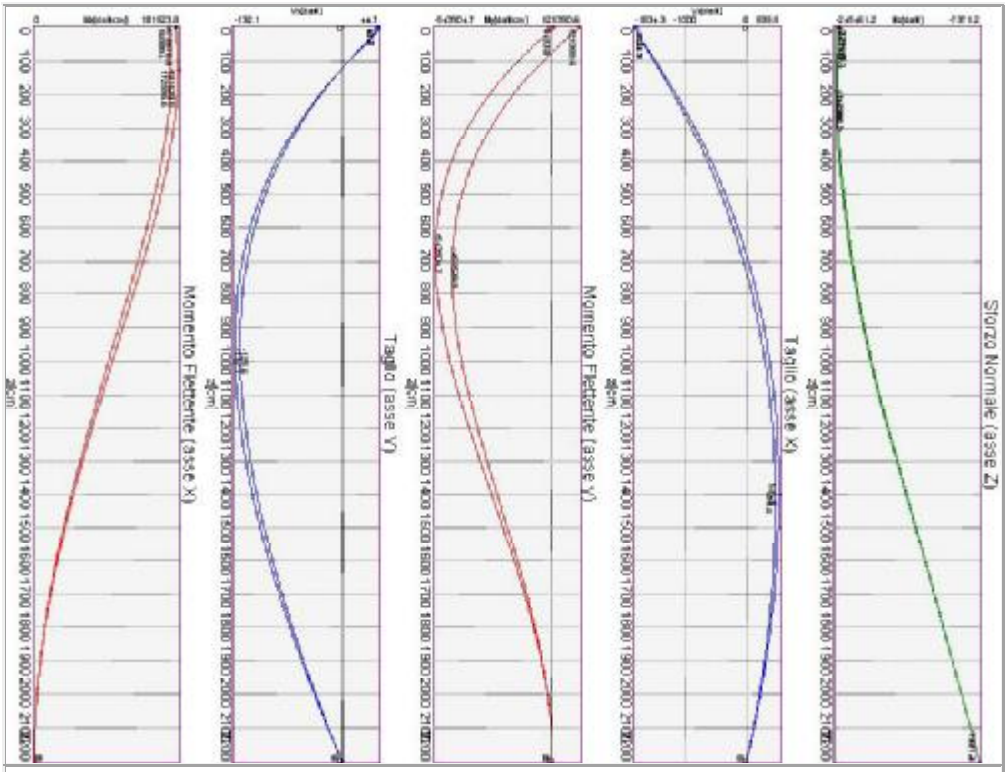
Azioni applicate in testa (punto maglia PM37, caso C12)					
N_z[daN]	V_x[daN]	V_y[daN]	M_x[daN*cm]	M_y[daN*cm]	T_z[daN*cm]
-41181.69÷-25193.53	-1604.19÷1086.94	-12004.17÷4395.08	-1764805÷2203682	370522÷772812	-550÷811

Caratteristiche di sollecitazione lungo il palo (punto maglia PM37, caso C12)			
z_{loc}[cm]	N_z[daN]	V_{xv}[daN]	M_{xv}[daN*cm]
0	-41181.69÷-25193.53	12010.59	2282719
0	-41181.69÷-25193.53	12010.59	2282719
25	-41878.74÷-25892.18	11633.72	2566746
50	-42556.19÷-26574.44	10900.36	2839454
75	-43214.1÷-27240.34	10187.28	3095921
100	-43852.51÷-27889.91	9494.36	3336106
125	-44471.48÷-28523.17	8821.42	3560161
150	-45071.03÷-29140.16	8168.31	3768344
175	-45651.24÷-29740.92	7534.85	3960981
190	-45990.1÷-30093.59	7164.14	4069254
190	-45990.1÷-30093.59	7164.14	4069254
215	-46467.87÷-30608.45	6561.77	4237795
240	-46848.27÷-31041.61	5978.6	4391796
265	-47196.15÷-31447.44	5414.44	4531675
290	-47511.6÷-31825.98	4869.14	4657854
300	-47628.72÷-31969.77	4656.27	4704586
300	-47628.72÷-31969.77	4656.27	4704586
325	-47870.65÷-32286.5	4137.12	4812304
350	-48050.13÷-32550.71	3636.54	4907348
375	-48193.47÷-32784.47	3154.49	4990145
400	-48300.78÷-32987.85	2691.1	5061117
425	-48372.16÷-33160.93	2246.69	5120685
450	-48407.71÷-33303.76	1828.07	5169264
475	-48407.52÷-33416.43	1465.97	5207265
500	-48371.69÷-33499	1136.31	5235093
500	-48371.69÷-33499	1136.31	5235093
525	-48344.52÷-33588.7	856.33	5253148
550	-48328÷-33687.21	665.34	5261825
575	-48280.06÷-33759.15	732.39	5261512
600	-48200.79÷-33804.59	858.15	5252590
625	-48090.26÷-33823.57	987.71	5235436
650	-47948.58÷-33816.18	1202.69	5210419
675	-47775.81÷-33782.46	1481.17	5177903
700	-47572.04÷-33722.47	1750.84	5138244
725	-47337.36÷-33636.28	2009.55	5091793
750	-47071.84÷-33523.95	2256.39	5038894
775	-46775.56÷-33385.53	2490.99	4979884
800	-46448.59÷-33221.08	2713.24	4915094
900	-44835.14÷-32303.9	3480.01	4604554
1000	-42736.37÷-30974.39	4059.17	4226454
1025	-42136.36÷-30577.97	4176.11	4123552
1050	-41506.32÷-30156.01	4282.31	4017853
1075	-40846.3÷-29708.55	4377.97	3909624
1100	-40156.34÷-29235.61	4463.29	3799127
1125	-39436.5÷-28737.24	4538.46	3686618
1150	-38686.82÷-28213.47	4603.67	3572351
1175	-37907.33÷-27664.32	4659.1	3456572
1200	-37098.07÷-27089.83	4704.93	3339524
1200	-37098.07÷-27089.83	4704.93	3339524
1225	-36243.6÷-26476.93	4741.32	3221446
1250	-35359.64÷-25838.92	4768.45	3102572
1275	-34477.3÷-25202.09	4786.47	2983132
1300	-33596.54÷-24566.41	4795.54	2863351

1325	-32717.33÷-23931.87	4795.81	2743453
1350	-31839.62÷-23298.42	4787.43	2623654
1375	-30963.37÷-22666.05	4770.51	2504171
1400	-30088.54÷-22034.71	4745.22	2385214
1425	-29215.1÷-21404.39	4711.66	2266992
1450	-28342.99÷-20775.04	4669.95	2149711
1475	-27472.19÷-20146.66	4620.22	2033572
1500	-26602.64÷-19519.2	4562.56	1918775
1525	-25734.32÷-18892.63	4497.07	1805517
1550	-24867.18÷-18266.93	4423.86	1693992
1575	-24001.19÷-17642.07	4343.01	1584393
1600	-23136.29÷-17018.02	4254.6	1476910
1625	-22272.46÷-16394.75	4158.73	1371729
1650	-21409.65÷-15772.24	4055.45	1269038
1675	-20547.82÷-15150.45	3944.84	1169020
1700	-19686.94÷-14529.35	3826.96	1071859
1700	-19686.94÷-14529.35	3826.96	1071859
1725	-18826.96÷-13908.92	3701.87	977734
1750	-17967.84÷-13289.13	3569.6	886827
1775	-17109.55÷-12669.95	3430.24	799315
1800	-16252.04÷-12051.35	3283.81	715375
1825	-15395.29÷-11433.31	3130.33	635184
1850	-14539.23÷-10815.79	2969.87	558917
1875	-13683.85÷-10198.76	2802.44	486749
1900	-12829.09÷-9582.21	2628.07	418853
1925	-11974.93÷-8966.09	2446.79	355403
1950	-11121.31÷-8350.39	2258.61	296571
1975	-10268.2÷-7735.07	2063.55	242530
2000	-9415.57÷-7120.1	1861.63	193451
2025	-8563.36÷-6505.47	1652.85	149506
2050	-7711.55÷-5891.13	1437.23	110866
2075	-6860.1÷-5277.06	1214.77	77701
2100	-6008.96÷-4663.23	985.48	50184
2125	-5158.09÷-4049.62	749.35	28485
2150	-4307.46÷-3436.19	506.39	12774
2175	-3457.03÷-2822.92	256.61	3222
2200	-2606.76÷-2209.78	0	0

11.4.8.2 Casi a SLE

I massimi valori di **Sforzo Normale di compressione**, si ottengono nel punto maglia **PM70**, nel caso di carico **C14** (Rara).



Caratteristiche di sollecitazione lungo il palo (punto maglia PM70, caso C14)

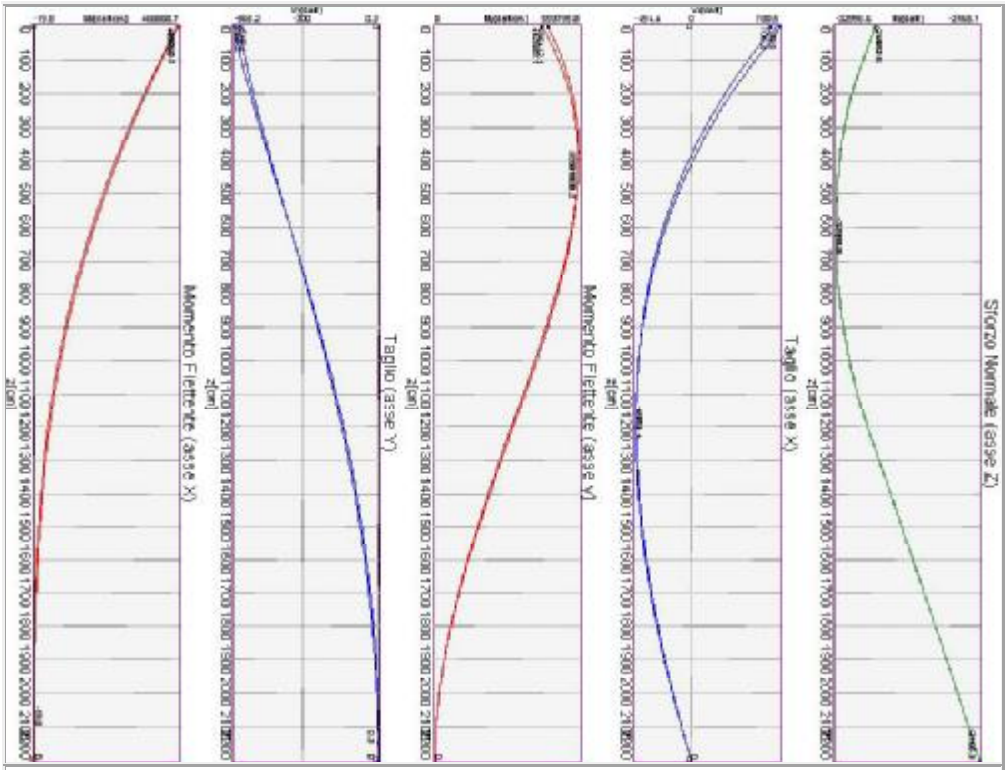
Azioni applicate in testa (punto maglia PM70, caso C14)					
N_z[daN]	V_x[daN]	V_y[daN]	M_x[daN*cm]	M_y[daN*cm]	T_z[daN*cm]
-241905.44÷-239419.67	1823.9÷1834.33	-44.69÷-42.47	169894÷178679	4494÷121391	50÷55

Caratteristiche di sollecitazione lungo il palo (punto maglia PM70, caso C14)			
z_{loc}[cm]	N_z[daN]	V_{xy}[daN]	M_{xy}[daN*cm]
0	-241905.44÷-239419.67	1834.82	208805
0	-241905.44÷-239419.67	1834.82	208805
25	-242580.35÷-240094.85	1788.54	187071
50	-243191.69÷-240707	1698.1	199007
75	-243739.91÷-241256.55	1609.79	219795
100	-244225.44÷-241743.94	1523.61	243933
125	-244648.73÷-242169.61	1439.56	269594
150	-245010.23÷-242534	1357.63	295610
175	-245310.37÷-242837.56	1277.83	321255
190	-245461.2÷-242990.67	1230.97	336268
190	-245461.2÷-242990.67	1230.97	336268
215	-245435.13÷-242970.74	1154.56	360455
240	-245099.88÷-242644.22	1080.26	383425
265	-244663.48÷-242217.38	1008.08	405051
290	-244126.67÷-241690.96	937.99	425257
300	-243884÷-241452.68	910.54	432932
300	-243884÷-241452.68	910.54	432932
325	-243118.31÷-240699.28	843.39	451091
350	-242158.6÷-239753.48	778.33	467774
375	-241088.75÷-238698.44	715.36	482988
400	-239909.57÷-237534.98	654.5	496751
425	-238621.86÷-236263.87	595.75	509087
450	-237226.4÷-234885.91	539.11	520026
475	-235723.97÷-233401.85	484.65	529601
500	-234115.35÷-231812.47	432.39	537848
500	-234115.35÷-231812.47	432.39	537848

525	-232538.75÷-230254.83	382.43	544807
550	-231000.23÷-228734.94	334.9	550516
575	-229369.29÷-227123.39	290.01	555017
600	-227646.58÷-225420.82	248.1	558351
625	-225832.74÷-223627.86	209.75	560559
650	-223928.39÷-221745.13	175.89	561685
675	-221934.16÷-219773.24	148.06	561770
700	-219850.63÷-217712.79	128.53	560856
725	-217678.41÷-215564.35	140.95	558984
750	-215418.05÷-213328.5	162.71	556196
775	-213070.14÷-211005.8	187.85	552534
800	-210635.2÷-208596.77	214.36	548037
900	-200033.98÷-198106.15	317.66	522504
1000	-188079.85÷-186273.51	404.07	486748
1025	-184883.53÷-183109.23	422.48	476491
1050	-181604.72÷-179863.11	439.56	465778
1075	-178243.77÷-176535.51	455.34	454643
1100	-174801.01÷-173126.76	469.82	443123
1125	-171276.75÷-169637.16	483.01	431249
1150	-167671.27÷-166066.98	494.93	419056
1175	-163984.84÷-162416.51	505.57	406577
1200	-160217.71÷-158685.96	514.96	393842
1200	-160217.71÷-158685.96	514.96	393842
1225	-156324.48÷-154830.34	523.11	380885
1250	-152351.65÷-150895.77	530.04	367736
1275	-148390.72÷-146972.97	535.76	354427
1300	-144441.38÷-143061.64	540.29	340987
1325	-140503.31÷-139161.48	543.65	327447
1350	-136576.2÷-135272.18	545.84	313836
1375	-132659.75÷-131393.44	546.88	300183
1400	-128753.66÷-127524.96	546.79	286517
1425	-124857.62÷-123666.43	545.57	272867
1450	-120971.33÷-119817.55	543.25	259260
1475	-117094.47÷-115978.02	539.83	245723
1500	-113226.76÷-112147.55	535.34	232285
1525	-109367.89÷-108325.83	529.75	218973
1550	-105517.55÷-104512.57	523.12	205812
1575	-101675.45÷-100707.46	515.44	192831
1600	-97841.28÷-96910.22	506.71	180054
1625	-94014.75÷-93120.54	496.95	167507
1650	-90195.56÷-89338.12	486.16	155218
1675	-86383.41÷-85562.69	474.36	143210
1700	-82578÷-81793.92	461.56	131510
1700	-82578÷-81793.92	461.56	131510
1725	-78779.04÷-78031.55	447.74	120143
1750	-74986.22÷-74275.26	432.93	109133
1775	-71199.26÷-70524.77	417.13	98506
1800	-67417.86÷-66779.79	400.34	88286
1825	-63641.72÷-63040.02	382.57	78498
1850	-59870.54÷-59305.17	363.83	69166
1875	-56104.04÷-55574.95	344.1	60315
1900	-52341.92÷-51849.06	323.41	51969
1925	-48583.89÷-48127.23	301.76	44153
1950	-44829.64÷-44409.15	279.13	36890
1975	-41078.9÷-40694.53	255.53	30205

2000	-37331.36÷-36983.1	230.98	24121
2025	-33586.74÷-33274.55	205.47	18664
2050	-29844.73÷-29568.59	179	13856
2075	-26105.06÷-25864.95	151.56	9722
2100	-22367.43÷-22163.32	123.17	6286
2125	-18631.54÷-18463.42	93.81	3572
2150	-14897.1÷-14764.97	63.5	1603
2175	-11163.83÷-11067.67	32.23	405
2200	-7431.43÷-7371.23	0	0

I massimi valori di **Sforzo Normale di trazione**, si ottengono nel punto maglia **PM40**, nel caso di carico **C22** (Frequente).



Caratteristiche di sollecitazione lungo il palo (punto maglia PM40, caso C22)

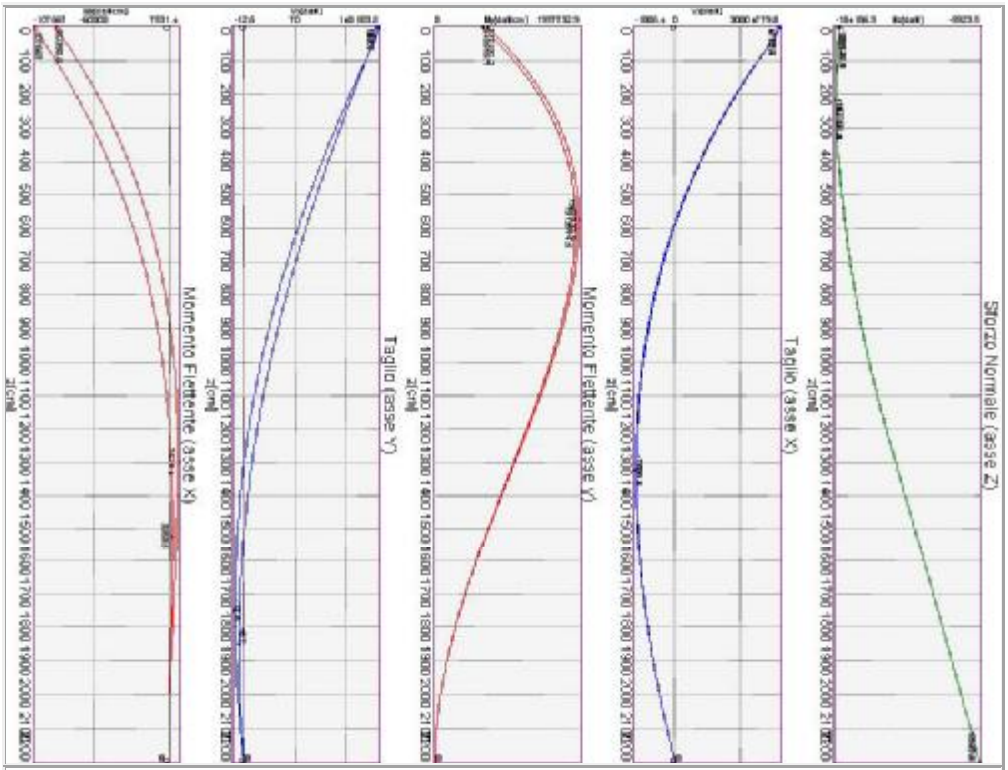
Azioni applicate in testa (punto maglia PM40, caso C22)					
N_z[daN]	V_x[daN]	V_y[daN]	M_x[daN*cm]	M_y[daN*cm]	T_z[daN*cm]
-24502.53÷-24451.45	-780.51÷-706.18	545.11÷565.2	463843÷466061	442689÷466412	-42÷435

Caratteristiche di sollecitazione lungo il palo (punto maglia PM40, caso C22)			
z_{loc}[cm]	N_z[daN]	V_{xy}[daN]	M_{xy}[daN*cm]
0	-24502.53÷-24451.45	952.02	657792
0	-24502.53÷-24451.45	952.02	657792
25	-25200.97÷-25149.9	924.21	660477
50	-25882.62÷-25831.56	870.85	663139
75	-26547.51÷-26496.48	820.06	665467
100	-27195.7÷-27144.71	771.88	667396
125	-27827.25÷-27776.3	726.37	668879
150	-28442.19÷-28391.31	683.61	669873
175	-29040.59÷-28989.78	643.67	670349
190	-29391.71÷-29340.95	621.09	670375
190	-29391.71÷-29340.95	621.09	670375
215	-29902.5÷-29851.86	585.81	669975
240	-30330.04÷-30279.58	553.56	669010
265	-30729.87÷-30679.61	524.43	667472

290	-31102.1÷-31052.05	498.48	665357
300	-31243.28÷-31193.32	488.99	664350
300	-31243.28÷-31193.32	488.99	664350
325	-31552.87÷-31503.17	467.58	661431
350	-31809.28÷-31759.86	449.94	657944
375	-32035.03÷-31985.91	437.74	654461
400	-32230.24÷-32181.44	428.34	650661
425	-32395.02÷-32346.57	421.58	646281
450	-32529.49÷-32481.4	417.27	641336
475	-32633.77÷-32586.05	415.13	635840
500	-32707.97÷-32660.65	414.91	629811
500	-32707.97÷-32660.65	414.91	629811
525	-32789.84÷-32742.91	416.36	623267
550	-32881.07÷-32834.52	419.19	616227
575	-32945.87÷-32899.72	423.14	608710
600	-32984.35÷-32938.61	427.99	600736
625	-32996.6÷-32951.29	433.5	592326
650	-32982.73÷-32937.87	439.49	583501
675	-32942.85÷-32898.44	445.78	574282
700	-32877.04÷-32833.11	452.23	564691
725	-32785.4÷-32741.96	458.69	554748
750	-32668.05÷-32625.11	465.07	544476
775	-32525.06÷-32482.64	471.27	533894
800	-32356.53÷-32314.65	477.21	523026
900	-31428.59÷-31388.98	497.25	477092
1000	-30098.92÷-30061.8	511.36	428203
1025	-29704.37÷-29667.91	513.91	415667
1050	-29285.08÷-29249.29	515.88	403043
1075	-28841.11÷-28806.01	517.23	390349
1100	-28372.53÷-28338.13	517.99	377605
1125	-27879.39÷-27845.7	518.13	364827
1150	-27361.74÷-27328.78	517.67	352034
1175	-26819.64÷-26787.41	516.61	339242
1200	-26253.12÷-26221.65	514.94	326469
1200	-26253.12÷-26221.65	514.94	326469
1225	-25649.24÷-25618.53	512.68	313731
1250	-25021.19÷-24991.28	509.81	301045
1275	-24395.11÷-24365.97	506.36	288427
1300	-23770.92÷-23742.57	502.31	275893
1325	-23148.6÷-23121.02	497.69	263459
1350	-22528.08÷-22501.28	492.49	251139
1375	-21909.31÷-21883.29	486.71	238950
1400	-21292.26÷-21267.01	480.37	226905
1425	-20676.87÷-20652.39	473.47	215021
1450	-20063.09÷-20039.39	466.02	203311
1475	-19450.88÷-19427.94	458.02	191790
1500	-18840.19÷-18818.01	449.47	180472
1525	-18230.97÷-18209.56	440.37	169371
1550	-17623.17÷-17602.52	430.74	158500
1575	-17016.75÷-16996.86	420.58	147875
1600	-16411.65÷-16392.52	409.89	137507
1625	-15807.84÷-15789.46	398.68	127412
1650	-15205.26÷-15187.64	386.94	117601
1675	-14603.87÷-14587	374.69	108088
1700	-14003.61÷-13987.5	361.92	98887

1700	-14003.61÷-13987.5	361.92	98887
1725	-13404.45÷-13389.09	348.64	90010
1750	-12806.34÷-12791.73	334.85	81471
1775	-12209.22÷-12195.36	320.55	73282
1800	-11613.06÷-11599.95	305.73	65455
1825	-11017.81÷-11005.44	290.41	58005
1850	-10423.41÷-10411.79	274.6	50944
1875	-9829.83÷-9818.96	258.26	44284
1900	-9237.02÷-9226.89	241.44	38038
1925	-8644.92÷-8635.54	224.1	32219
1950	-8053.51÷-8044.86	206.26	26839
1975	-7462.72÷-7454.82	187.91	21911
2000	-6872.51÷-6865.35	169.06	17448
2025	-6282.84÷-6276.42	149.71	13463
2050	-5693.66÷-5687.98	129.85	9968
2075	-5104.92÷-5099.99	109.48	6975
2100	-4516.58÷-4512.39	88.61	4498
2125	-3928.6÷-3925.14	67.22	2549
2150	-3340.92÷-3338.21	45.32	1142
2175	-2753.5÷-2751.53	22.92	288
2200	-2166.3÷-2165.06	0	0

I massimi valori di **Taglio (in valore assoluto)**, si ottengono nel punto maglia **PM66**, nel caso di carico **C14** (Rara).



Caratteristiche di sollecitazione lungo il palo (punto maglia PM66, caso C14)

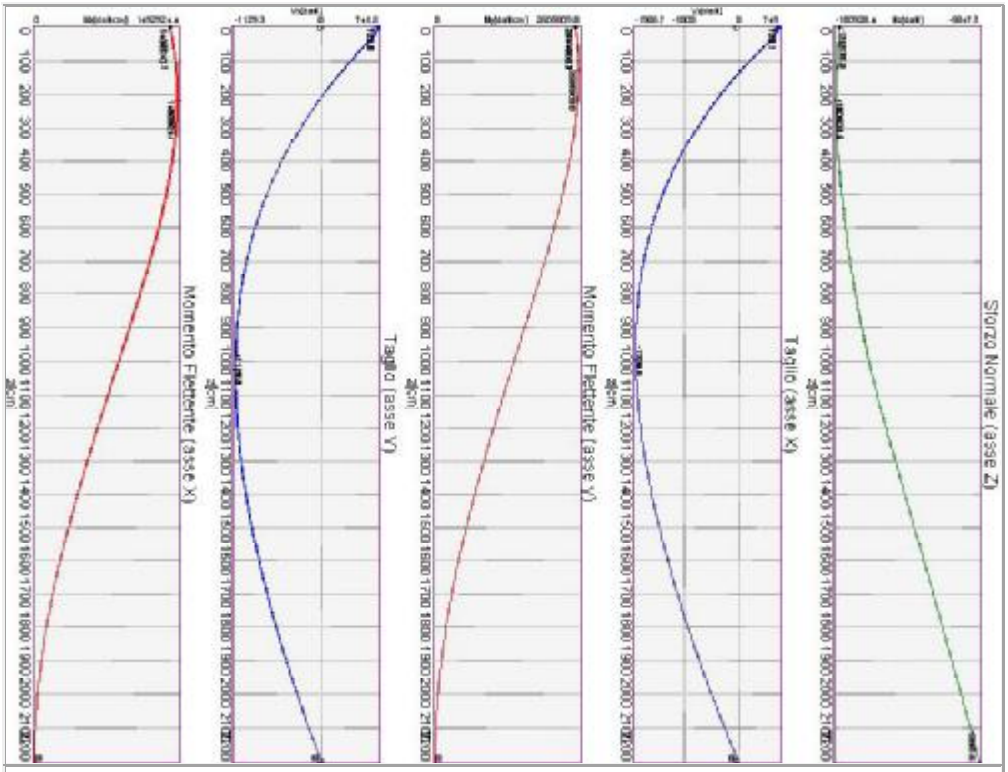
Azioni applicate in testa (punto maglia PM66, caso C14)					
N_z[daN]	V_x[daN]	V_y[daN]	M_x[daN*cm]	M_y[daN*cm]	T_z[daN*cm]
-180125.76÷-179642.1	-4779.85÷-4752.44	-183.78÷-181.11	-107667÷-90351	649515÷717197	-272÷-188

Caratteristiche di sollecitazione lungo il palo (punto maglia PM66, caso C14)			
z_{loc}[cm]	N_z[daN]	V_{xy}[daN]	M_{xy}[daN*cm]
0	-180125.76÷-179642.1	4783.38	725234
0	-180125.76÷-179642.1	4783.38	725234

25	-180807.36÷-180323.75	4638.89	840537
50	-181438.68÷-180955.23	4357.5	950941
75	-182020.05÷-181536.86	4083.65	1054671
100	-182551.81÷-182068.98	3817.31	1151815
125	-183034.28÷-182551.91	3558.42	1242502
150	-183467.79÷-182985.99	3306.92	1326879
175	-183852.69÷-183371.55	3062.76	1405108
190	-184060.44÷-183579.75	2919.75	1449162
190	-184060.44÷-183579.75	2919.75	1449162
215	-184186.93÷-183707.43	2687.17	1517899
240	-184068.44÷-183590.64	2461.74	1580925
265	-183869.68÷-183393.73	2243.4	1638413
290	-183591.19÷-183117.27	2032.06	1690533
300	-183457.6÷-182984.53	1949.45	1709916
300	-183457.6÷-182984.53	1949.46	1709917
325	-182997.47÷-182526.8	1747.78	1754809
350	-182383.35÷-181915.38	1552.92	1794743
375	-181681.67÷-181216.59	1364.8	1829885
400	-180893.05÷-180431.02	1183.34	1860401
425	-180018.1÷-179559.3	1008.49	1886454
450	-179057.4÷-178602.01	840.2	1908208
475	-178011.56÷-177559.74	678.46	1925820
500	-176881.14÷-176433.07	523.37	1939449
500	-176881.14÷-176433.07	523.37	1939449
525	-175775.83÷-175331.44	375.34	1949248
550	-174700.44÷-174259.68	235.83	1955372
575	-173551.38÷-173114.39	113.59	1957969
600	-172329.15÷-171896.08	127.73	1957188
625	-171034.23÷-170605.22	236.59	1953173
650	-169667.11÷-169242.3	351.86	1946068
675	-168228.24÷-167807.79	464.5	1936012
700	-166718.09÷-166302.13	572.82	1923145
725	-165137.11÷-164725.78	676.3	1907600
750	-163485.74÷-163079.17	774.83	1889510
775	-161764.4÷-161362.73	868.36	1869007
800	-159973.51÷-159576.89	956.94	1846218
900	-152121.16÷-151746.06	1263	1734681
1000	-143186.2÷-142834.73	1495.73	1596202
1025	-140786.06÷-140440.83	1543.06	1558216
1050	-138319.84÷-137980.97	1586.23	1519097
1075	-135787.82÷-135455.44	1625.29	1478951
1100	-133190.23÷-132864.47	1660.34	1437877
1125	-130527.33÷-130208.31	1691.43	1395976
1150	-127799.32÷-127487.18	1718.66	1353345
1175	-125006.42÷-124701.27	1742.08	1310081
1200	-122148.81÷-121850.77	1761.77	1266278
1200	-122148.81÷-121850.77	1761.77	1266278
1225	-119190.31÷-118899.6	1777.78	1222028
1250	-116167.98÷-115884.71	1790.2	1177423
1275	-113154.72÷-112878.87	1799.07	1132551
1300	-110150.29÷-109881.83	1804.46	1087502
1325	-107154.46÷-106893.38	1806.42	1042360
1350	-104166.99÷-103913.26	1805.01	997211
1375	-101187.65÷-100941.26	1800.28	952139
1400	-98216.21÷-97977.14	1792.29	907226

1425	-95252.44÷-95020.66	1781.06	862553
1450	-92296.1÷-92071.61	1766.67	818201
1475	-89346.96÷-89129.73	1749.15	774247
1500	-86404.8÷-86194.82	1728.54	730770
1525	-83469.39÷-83266.63	1704.87	687846
1550	-80540.48÷-80344.94	1678.19	645552
1575	-77617.87÷-77429.53	1648.53	603962
1600	-74701.31÷-74520.15	1615.92	563150
1625	-71790.59÷-71616.6	1580.39	523191
1650	-68885.46÷-68718.63	1541.99	484155
1675	-65985.72÷-65826.03	1500.71	446116
1700	-63091.12÷-62938.56	1456.59	409144
1700	-63091.12÷-62938.56	1456.59	409144
1725	-60201.45÷-60056.01	1409.65	373310
1750	-57316.48÷-57178.15	1359.91	338685
1775	-54435.98÷-54304.75	1307.41	305338
1800	-51559.73÷-51435.58	1252.13	273338
1825	-48687.51÷-48570.44	1194.11	242754
1850	-45819.09÷-45709.08	1133.35	213655
1875	-42954.24÷-42851.29	1069.87	186110
1900	-40092.74÷-39996.85	1003.68	160185
1925	-37234.38÷-37145.52	934.78	135948
1950	-34378.92÷-34297.1	863.19	113468
1975	-31526.14÷-31451.36	788.91	92811
2000	-28675.83÷-28608.06	711.95	74045
2025	-25827.75÷-25767.01	632.31	57236
2050	-22981.69÷-22927.96	550	42451
2075	-20137.42÷-20090.7	465.01	29758
2100	-17294.73÷-17255.01	377.34	19223
2125	-14453.38÷-14420.67	287.01	10913
2150	-11613.17÷-11587.46	194.01	4895
2175	-8773.85÷-8755.14	98.34	1235
2200	-5935.23÷-5923.52	0	0

I massimi valori di **Momento flettente (in valore assoluto)**, si ottengono nel punto maglia **PM3**, nel caso di carico **C14** (Rara).



Caratteristiche di sollecitazione lungo il palo (punto maglia PM3, caso C14)

Azioni applicate in testa (punto maglia PM3, caso C14)					
N_z[daN]	V_x[daN]	V_y[daN]	M_x[daN*cm]	M_y[daN*cm]	T_z[daN*cm]
-176838.93÷-176511.21	-749.05÷-723.7	-741.81÷-722.89	1406570÷1415741	2544808÷2555678	-32÷98

Caratteristiche di sollecitazione lungo il palo (punto maglia PM3, caso C14)			
z_{loc}[cm]	N_z[daN]	V_{xy}[daN]	M_{xy}[daN*cm]
0	-176838.93÷-176511.21	1054.21	2917179
0	-176838.93÷-176511.21	1054.21	2917179
25	-177520.88÷-177193.2	955.89	2940500
50	-178153.27÷-177825.69	768.49	2960199
75	-178736.4÷-178409	591.92	2975233
100	-179270.62÷-178943.46	429.42	2985789
125	-179756.24÷-179429.39	290.73	2992054
150	-180193.59÷-179867.13	207.69	2994209
175	-180582.99÷-180256.98	244.39	2992431
190	-180793.77÷-180468.06	302.49	2989775
190	-180793.77÷-180468.06	302.49	2989775
215	-180928.37÷-180603.47	419.36	2982618
240	-180821.42÷-180497.67	542.71	2971942
265	-180635.3÷-180312.81	665	2957912
290	-180370.55÷-180049.43	783.64	2940689
300	-180242.77÷-179922.23	829.81	2932942
300	-180242.77÷-179922.23	829.8	2932942
325	-179798.9÷-179479.97	941.7	2911514
350	-179203.16÷-178886.07	1048.36	2887266
375	-178521.07÷-178205.94	1149.69	2860346
400	-177753.23÷-177440.17	1245.65	2830900
425	-176900.23÷-176589.36	1336.32	2799070
450	-175962.67÷-175654.1	1421.75	2764992
475	-174941.11÷-174634.97	1502.05	2728802
500	-173836.14÷-173532.53	1577.33	2690629
500	-173836.14÷-173532.53	1577.33	2690629

525	-172755.9÷-172454.8	1647.71	2650602
550	-171705.15÷-171406.5	1713.3	2608844
575	-170581.73÷-170285.63	1774.22	2565476
600	-169386.12÷-169092.68	1830.59	2520615
625	-168118.82÷-167828.13	1882.55	2474373
650	-166780.27÷-166492.43	1930.21	2426863
675	-165370.95÷-165086.06	1973.69	2378190
700	-163891.31÷-163609.46	2013.1	2328461
725	-162341.79÷-162063.07	2048.59	2277774
750	-160722.81÷-160447.33	2080.25	2226230
775	-159034.81÷-158762.65	2108.19	2173922
800	-157278.18÷-157009.44	2132.54	2120943
900	-149572.08÷-149317.92	2197.75	1904071
1000	-140797.75÷-140559.6	2213.64	1683153
1025	-138439.97÷-138206.04	2210.56	1627853
1050	-136016.98÷-135787.37	2204.82	1572663
1075	-133529.05÷-133303.84	2196.51	1517647
1100	-130976.44÷-130755.71	2185.7	1462870
1125	-128359.36÷-128143.2	2172.49	1408393
1150	-125678.04÷-125466.53	2156.94	1354275
1175	-122932.67÷-122725.91	2139.12	1300573
1200	-120123.45÷-119921.51	2119.1	1247345
1200	-120123.45÷-119921.51	2119.1	1247345
1225	-117214.69÷-117017.7	2096.96	1194643
1250	-114242.92÷-114050.98	2072.73	1142521
1275	-111280.08÷-111093.17	2046.49	1091029
1300	-108325.92÷-108144.02	2018.31	1040217
1325	-105380.22÷-105203.31	1988.22	990134
1350	-102442.74÷-102270.82	1956.29	940825
1375	-99513.26÷-99346.31	1922.58	892338
1400	-96591.54÷-96429.55	1887.1	844715
1425	-93677.37÷-93520.32	1849.92	798000
1450	-90770.51÷-90618.39	1811.08	752235
1475	-87870.73÷-87723.54	1770.63	707461
1500	-84977.81÷-84835.53	1728.58	663719
1525	-82091.52÷-81954.14	1685	621046
1550	-79211.64÷-79079.15	1639.88	579483
1575	-76337.95÷-76210.33	1593.29	539066
1600	-73470.21÷-73347.46	1545.25	499832
1625	-70608.21÷-70490.31	1495.78	461816
1650	-67751.71÷-67638.67	1444.9	425055
1675	-64900.51÷-64792.31	1392.64	389583
1700	-62054.37÷-61951	1339.02	355435
1700	-62054.37÷-61951	1339.02	355435
1725	-59213.08÷-59114.53	1284.06	322644
1750	-56376.41÷-56282.68	1227.78	291243
1775	-53544.14÷-53455.21	1170.19	261266
1800	-50716.04÷-50631.92	1111.32	232745
1825	-47891.91÷-47812.58	1051.15	205712
1850	-45071.51÷-44996.98	989.71	180198
1875	-42254.64÷-42184.88	927.02	156237
1900	-39441.06÷-39376.08	863.08	133858
1925	-36630.56÷-36570.35	797.9	113093
1950	-33822.91÷-33767.48	731.47	93973
1975	-31017.91÷-30967.24	663.82	76529

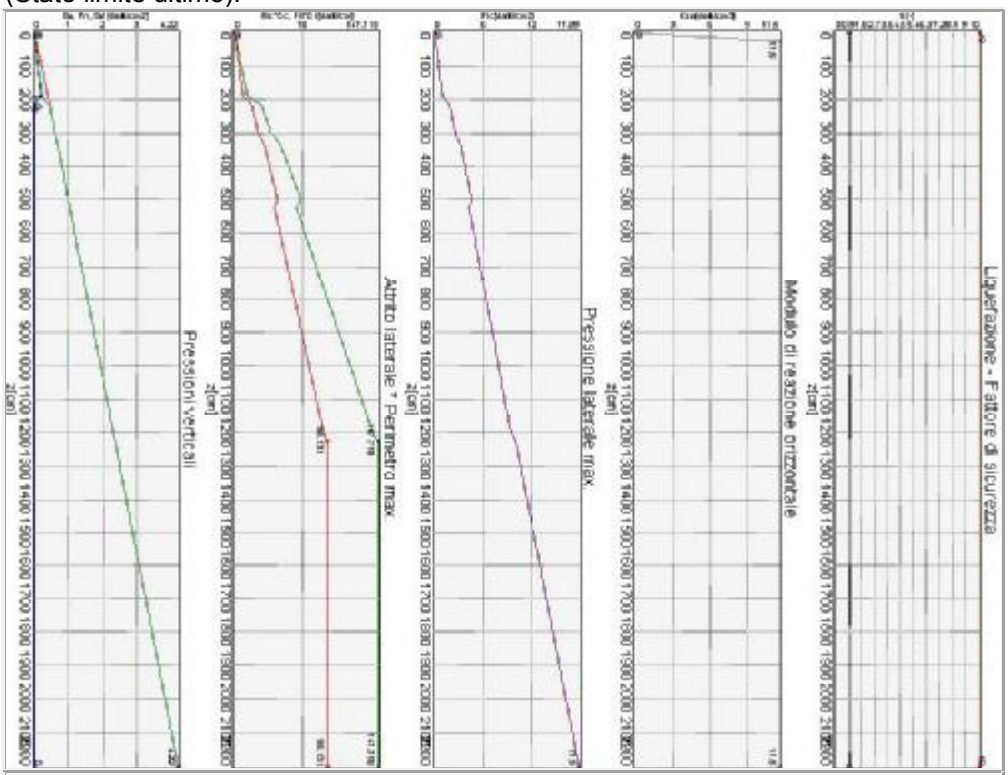
2000	-28215.33÷-28169.42	594.94	60792
2025	-25414.95÷-25373.79	524.84	46793
2050	-22616.56÷-22580.15	453.51	34561
2075	-19819.93÷-19788.27	380.97	24127
2100	-17024.85÷-16997.94	307.21	15522
2125	-14231.09÷-14208.93	232.23	8777
2150	-11438.45÷-11421.03	156.04	3921
2175	-8646.7÷-8634.02	78.63	985
2200	-5855.63÷-5847.69	0	0

11.4.9 Verifiche geotecniche.

Si riporta di seguito il dettaglio delle verifiche eseguite, per ciascun palo.

11.4.9.1 Verifica: Capacità portante

La situazione di verifica più severa, si ottiene nel punto maglia **PM56**, nel caso di carico **C12**, sestetto **4** (Stato limite ultimo).



Capacità portante
Situazione peggiore: Punto maglia PM56, Caso C12, Sestetto 4

Segue il riassunto della verifica, per tutti i punti maglia, per il caso ed il sestetto che danno il fattore di sicurezza minore.

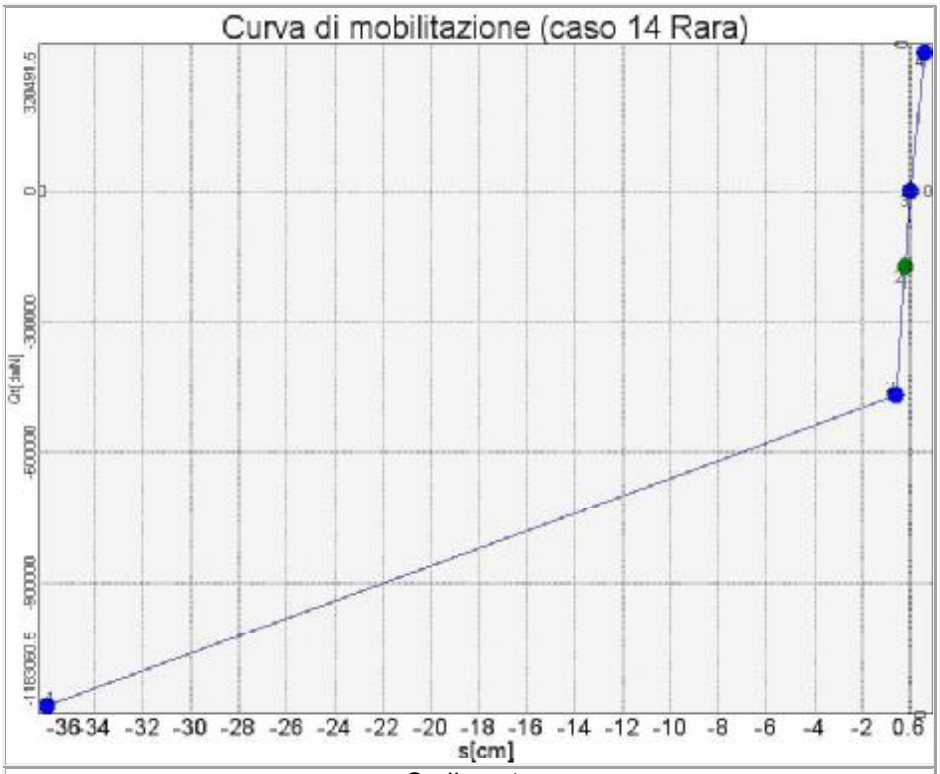
Verifica: Capacità portante					
Punto	Caso	Ses.	R_d: Qt[daN]	S_d: Qt[daN]	fs[-]
PM1	C3	1	550190	200581	2.74
PM2	C3	1	550190	278103	1.98
PM3	C3	2	550190	324308	1.70
PM4	C3	2	550190	280387	1.96
PM5	C3	1	550190	276888	1.99
PM6	C3	2	550190	234717	2.34
PM7	C3	1	550190	269156	2.04
PM8	C3	2	550190	273752	2.01
PM9	C3	1	550190	269171	2.04
PM10	C3	2	550190	274496	2.00
PM11	C3	1	550190	272742	2.02
PM12	C3	1	550190	360856	1.52
PM13	C3	1	550190	355301	1.55
PM14	C3	2	550190	248899	2.21
PM15	C3	2	550190	318632	1.73
PM16	C3	2	550190	312002	1.76
PM17	C3	2	550190	360219	1.53
PM18	C3	2	550190	219490	2.51
PM19	C3	2	550190	304785	1.81
PM20	C3	2	550190	350766	1.57

PM21	C3	2	550190	342611	1.61
PM22	C3	2	550190	358622	1.53
PM23	C3	2	550190	235593	2.34
PM24	C3	1	550190	251460	2.19
PM25	C3	2	550190	347405	1.58
PM26	C3	1	550190	314219	1.75
PM27	C3	1	550190	316604	1.74
PM28	C3	2	550190	350772	1.57
PM29	C3	2	550190	331947	1.66
PM30	C3	2	550190	318302	1.73
PM31	C3	2	550190	310991	1.77
PM32	C3	2	550190	331663	1.66
PM33	C3	1	550190	316666	1.74
PM34	C3	1	550190	354551	1.55
PM35	C3	1	550190	355894	1.55
PM36	C3	2	550190	239198	2.30
PM37	C3	2	550190	131168	4.19
PM38	C3	2	550190	215474	2.55
PM39	C3	2	550190	312015	1.76
PM40	C3	2	550190	117134	4.70
PM41	C3	1	550190	133883	4.11
PM42	C3	1	550190	187498	2.93
PM43	C3	2	550190	179009	3.07
PM44	C3	2	550190	179614	3.06
PM45	C3	2	550190	180493	3.05
PM46	C3	2	550190	165072	3.33
PM47	C3	2	550190	283130	1.94
PM48	C3	1	550190	272493	2.02
PM49	C3	2	550190	170406	3.23
PM50	C3	2	550190	188642	2.92
PM51	C3	2	550190	180928	3.04
PM52	C3	2	550190	317734	1.73
PM53	C3	1	550190	342847	1.60
PM54	C12	13	550190	428577	1.28
PM55	C12	5	550190	304080	1.81
PM56	C12	4	550190	528385	1.04
PM57	C11	2	550190	363723	1.51
PM58	C3	2	550190	349005	1.58
PM59	C11	15	550190	378019	1.46
PM60	C12	12	550190	388225	1.42
PM61	C3	1	550190	263129	2.09
PM62	C3	1	550190	299225	1.84
PM63	C3	1	550190	294230	1.87
PM64	C3	1	550190	294521	1.87
PM65	C3	1	550190	314881	1.75
PM66	C3	1	550190	329932	1.67
PM67	C3	2	550190	326617	1.68
PM68	C11	5	550190	365208	1.51
PM69	C11	12	550190	396933	1.39
PM70	C3	2	550190	413334	1.33
PM71	C11	12	550190	408122	1.35
PM72	C11	10	550190	429389	1.28
PM73	C11	5	550190	381626	1.44
PM74	C12	10	550190	342946	1.60
PM75	C11	12	550190	193256	2.85

PM76	C3	1	550190	213563	2.58

11.4.9.2 Verifica: Cedimento

I cedimenti del singolo palo sono calcolati utilizzando la relativa curva di mobilitazione.
L'interazione tra i pali è valutata con il metodo dei fattori di interazione (Poulos e Davis, 1980). La situazione di verifica più severa, si ottiene nel punto maglia PM23, nel caso di carico C14, sestetto 2 (Rara). Si ottengono i seguenti valori: cedimento del palo singolo = -2.21 [mm], cedimento indotto dal gruppo = -34.03 [mm], cedimento totale: -36.25 [mm].



Cedimento
Situazione peggiore: Punto maglia PM23, Caso C14, Sestetto 2

Segue il riassunto della verifica, per tutti i punti maglia, per il caso ed il sestetto che danno il fattore di sicurezza minore.

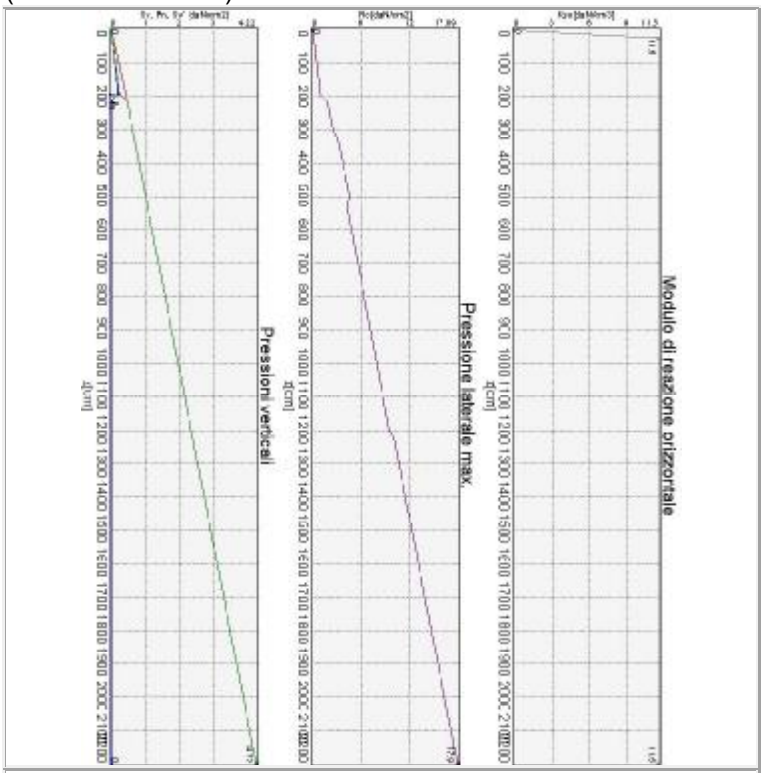
Verifica: Cedimento					
Punto	Caso	Ses.	R_d: Ced.[mm]	S_d: Ced.[mm]	fs[-]
PM1	C14	2	-40	-2 + -23 = -25	1.63
PM2	C14	2	-40	-3 + -28 = -31	1.30
PM3	C14	2	-40	-3 + -26 = -29	1.37
PM4	C14	2	-40	-3 + -30 = -33	1.21
PM5	C14	2	-40	-3 + -31 = -33	1.21
PM6	C14	2	-40	-2 + -30 = -33	1.23
PM7	C14	2	-40	-3 + -30 = -33	1.23
PM8	C14	2	-40	-3 + -30 = -32	1.24
PM9	C14	2	-40	-3 + -29 = -31	1.27
PM10	C14	2	-40	-3 + -27 = -30	1.34
PM11	C14	2	-40	-3 + -25 = -28	1.44
PM12	C14	2	-40	-3 + -30 = -34	1.19
PM13	C14	2	-40	-3 + -31 = -35	1.15
PM14	C14	2	-40	-2 + -24 = -27	1.51
PM15	C14	2	-40	-3 + -30 = -33	1.20
PM16	C14	2	-40	-3 + -32 = -34	1.16
PM17	C14	2	-40	-3 + -33 = -36	1.11
PM18	C14	2	-40	-2 + -24 = -26	1.54

PM19	C14	2	-40	-3 + -27 = -30	1.34
PM20	C14	2	-40	-3 + -29 = -33	1.23
PM21	C14	2	-40	-3 + -31 = -34	1.17
PM22	C14	2	-40	-3 + -32 = -35	1.13
PM23	C14	2	-40	-2 + -34 = -36	1.10
PM24	C14	2	-40	-2 + -34 = -36	1.11
PM25	C14	2	-40	-3 + -32 = -35	1.13
PM26	C14	1	-40	-3 + -30 = -33	1.22
PM27	C14	1	-40	-3 + -30 = -33	1.20
PM28	C14	2	-40	-3 + -33 = -36	1.10
PM29	C14	2	-40	-3 + -33 = -36	1.11
PM30	C14	2	-40	-3 + -33 = -36	1.12
PM31	C14	2	-40	-3 + -32 = -35	1.14
PM32	C14	2	-40	-3 + -33 = -36	1.11
PM33	C14	1	-40	-3 + -31 = -34	1.18
PM34	C14	2	-40	-3 + -32 = -35	1.13
PM35	C14	2	-40	-3 + -33 = -36	1.11
PM36	C14	2	-40	-2 + -31 = -33	1.22
PM37	C14	2	-40	-1 + -23 = -25	1.63
PM38	C14	2	-40	-2 + -28 = -30	1.34
PM39	C14	2	-40	-3 + -33 = -36	1.13
PM40	C14	2	-40	-1 + -21 = -23	1.77
PM41	C14	2	-40	-1 + -24 = -25	1.58
PM42	C14	2	-40	-2 + -31 = -32	1.23
PM43	C14	2	-40	-2 + -28 = -29	1.36
PM44	C14	2	-40	-2 + -27 = -29	1.38
PM45	C14	2	-40	-2 + -26 = -28	1.43
PM46	C14	2	-40	-2 + -23 = -25	1.60
PM47	C14	2	-40	-3 + -29 = -32	1.25
PM48	C14	2	-40	-3 + -30 = -33	1.23
PM49	C14	2	-40	-2 + -26 = -27	1.46
PM50	C14	2	-40	-2 + -27 = -29	1.37
PM51	C14	2	-40	-2 + -28 = -30	1.35
PM52	C14	2	-40	-3 + -33 = -36	1.12
PM53	C14	2	-40	-3 + -29 = -32	1.26
PM54	C14	2	-40	-3 + -29 = -32	1.26
PM55	C14	2	-40	-3 + -24 = -26	1.51
PM56	C14	1	-40	-3 + -23 = -26	1.55
PM57	C14	2	-40	-3 + -27 = -29	1.36
PM58	C14	2	-40	-3 + -26 = -29	1.36
PM59	C14	1	-40	-3 + -25 = -28	1.43
PM60	C14	1	-40	-3 + -27 = -30	1.35
PM61	C14	1	-40	-2 + -28 = -31	1.29
PM62	C14	2	-40	-3 + -29 = -32	1.25
PM63	C14	2	-40	-3 + -30 = -33	1.22
PM64	C14	2	-40	-3 + -30 = -33	1.21
PM65	C14	1	-40	-3 + -31 = -34	1.19
PM66	C14	1	-40	-3 + -31 = -34	1.18
PM67	C14	2	-40	-3 + -33 = -36	1.11
PM68	C14	2	-40	-3 + -33 = -36	1.11
PM69	C14	1	-40	-4 + -31 = -35	1.16
PM70	C14	2	-40	-4 + -31 = -35	1.15
PM71	C14	1	-40	-3 + -29 = -32	1.24
PM72	C14	1	-40	-3 + -27 = -30	1.34
PM73	C14	2	-40	-3 + -29 = -32	1.24

PM74	C14	2	-40	-3 + -27 = -30	1.35
PM75	C14	1	-40	-2 + -25 = -27	1.51
PM76	C14	2	-40	-2 + -33 = -35	1.14

11.4.9.3 Verifica: Resistenza trasversale

La situazione di verifica più severa, si ottiene nel punto maglia **PM37**, nel caso di carico **C12**, sestetto **2** (Stato limite ultimo).



Resistenza trasversale
Situazione peggiore: Punto maglia PM37, Caso C12, Sestetto 2

Segue il riassunto della verifica, per tutti i punti maglia, per il caso ed il sestetto che danno il fattore di sicurezza minore.

Verifica: Resistenza trasversale					
Punto	Caso	Ses.	R_d: Rtr[daN]	S_d: Rtr[daN]	fs[-]
PM1	C11	5	7394200	4710	10.00
PM2	C12	2	7394200	3880	10.00
PM3	C12	2	7394200	2630	10.00
PM4	C12	2	7394200	4289	10.00
PM5	C12	2	7394200	3757	10.00
PM6	C12	2	7394200	3709	10.00
PM7	C12	2	7394200	3811	10.00
PM8	C12	2	7394200	3988	10.00
PM9	C12	2	7394200	3866	10.00
PM10	C12	2	7394200	4036	10.00
PM11	C11	5	7394200	4121	10.00
PM12	C11	2	7394200	1666	10.00
PM13	C12	5	7394200	1927	10.00
PM14	C11	15	7394200	1134	10.00
PM15	C11	2	7394200	1213	10.00
PM16	C11	2	7394200	1814	10.00
PM17	C12	2	7394200	2059	10.00
PM18	C11	12	7394200	3224	10.00
PM19	C11	12	7394200	2438	10.00
PM20	C11	5	7394200	2092	10.00

PM21	C11	12	7394200	1854	10.00
PM22	C11	12	7394200	1761	10.00
PM23	C11	12	7394200	2376	10.00
PM24	C11	5	7394200	2624	10.00
PM25	C11	12	7394200	1648	10.00
PM26	C11	12	7394200	1335	10.00
PM27	C11	12	7394200	1479	10.00
PM28	C11	5	7394200	1951	10.00
PM29	C11	5	7394200	2027	10.00
PM30	C12	15	7394200	2075	10.00
PM31	C11	2	7394200	1968	10.00
PM32	C11	2	7394200	1945	10.00
PM33	C11	12	7394200	1308	10.00
PM34	C12	2	7394200	2133	10.00
PM35	C12	2	7394200	2176	10.00
PM36	C12	2	7394200	3523	10.00
PM37	C12	2	7394200	12011	10.00
PM38	C11	7	7394200	785	10.00
PM39	C11	2	7394200	2052	10.00
PM40	C11	5	7394200	7503	10.00
PM41	C11	12	7394200	2852	10.00
PM42	C12	2	7394200	3360	10.00
PM43	C12	2	7394200	8386	10.00
PM44	C12	2	7394200	8608	10.00
PM45	C12	2	7394200	8640	10.00
PM46	C12	15	7394200	9748	10.00
PM47	C12	2	7394200	4351	10.00
PM48	C12	2	7394200	4065	10.00
PM49	C12	2	7394200	10497	10.00
PM50	C12	2	7394200	9104	10.00
PM51	C12	2	7394200	7994	10.00
PM52	C11	12	7394200	2351	10.00
PM53	C11	15	7394200	720	10.00
PM54	C12	13	7394200	3816	10.00
PM55	C12	5	7394200	1873	10.00
PM56	C12	4	7394200	2630	10.00
PM57	C11	2	7394200	7481	10.00
PM58	C11	4	7394200	1735	10.00
PM59	C11	15	7394200	8071	10.00
PM60	C12	12	7394200	5533	10.00
PM61	C11	2	7394200	3248	10.00
PM62	C11	2	7394200	3200	10.00
PM63	C11	2	7394200	3185	10.00
PM64	C3	2	7394200	4155	10.00
PM65	C11	2	7394200	3356	10.00
PM66	C3	2	7394200	6633	10.00
PM67	C12	2	7394200	2240	10.00
PM68	C11	5	7394200	4928	10.00
PM69	C11	12	7394200	2018	10.00
PM70	C3	1	7394200	2520	10.00
PM71	C11	12	7394200	3460	10.00
PM72	C11	10	7394200	7421	10.00
PM73	C11	5	7394200	6877	10.00
PM74	C12	10	7394200	6467	10.00
PM75	C11	5	7394200	114	10.00

PM76	C11	5	7394200	923	10.00

11.4.10 Verifiche strutturali.

Si riporta di seguito il dettaglio delle verifiche eseguite, per ciascun palo, solo in corrispondenza della progressiva dove si ottiene la situazione più severa.

11.4.10.1 Verifica: Spostamento orizzontale

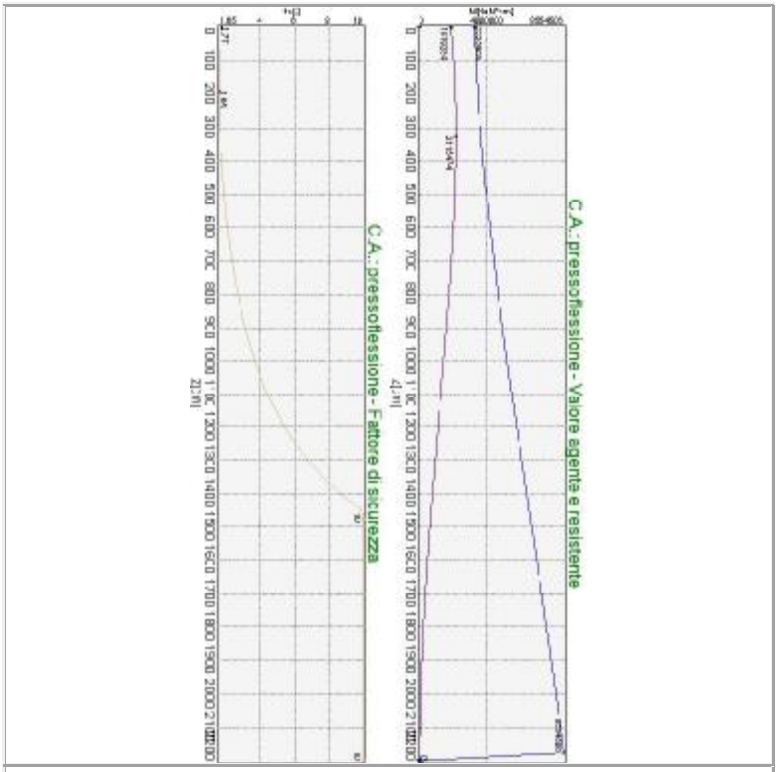
La situazione di verifica più severa, si ottiene nel punto maglia **PM66**, nel caso di carico **C14**, sestetto **1** (Rara).
Segue il riassunto della verifica, per tutti i punti maglia, per il caso ed il sestetto che danno il fattore di sicurezza minore.

Verifica: Spostamento orizzontale					
Punto	Caso	Ses.	R_d: Sor[mm]	S_d: Sor[mm]	fs[-]
PM1	C14	2	40	2	10.00
PM2	C14	2	40	4	10.00
PM3	C14	2	40	7	5.59
PM4	C13	1	40	4	10.00
PM5	C14	2	40	3	10.00
PM6	C14	2	40	2	10.00
PM7	C14	2	40	3	10.00
PM8	C13	1	40	3	10.00
PM9	C13	1	40	3	10.00
PM10	C13	1	40	4	10.00
PM11	C13	1	40	3	10.00
PM12	C13	1	40	0	10.00
PM13	C13	1	40	0	10.00
PM14	C13	1	40	0	10.00
PM15	C14	1	40	0	10.00
PM16	C13	1	40	0	10.00
PM17	C13	1	40	1	10.00
PM18	C14	1	40	2	10.00
PM19	C14	1	40	2	10.00
PM20	C18	2	40	0	10.00
PM21	C18	2	40	0	10.00
PM22	C14	2	40	0	10.00
PM23	C14	1	40	0	10.00
PM24	C13	1	40	1	10.00
PM25	C14	1	40	2	10.00
PM26	C14	1	40	2	10.00
PM27	C13	1	40	2	10.00
PM28	C14	2	40	2	10.00
PM29	C13	1	40	0	10.00
PM30	C14	1	40	1	10.00
PM31	C14	2	40	0	10.00
PM32	C13	1	40	0	10.00
PM33	C13	1	40	1	10.00
PM34	C14	2	40	0	10.00
PM35	C14	2	40	0	10.00
PM36	C14	2	40	2	10.00
PM37	C14	2	40	9	4.52
PM38	C18	2	40	0	10.00
PM39	C14	2	40	0	10.00
PM40	C14	2	40	3	10.00
PM41	C14	1	40	2	10.00
PM42	C14	2	40	1	10.00

PM43	C14	2	40	3	10.00
PM44	C13	1	40	3	10.00
PM45	C14	2	40	4	10.00
PM46	C14	1	40	4	9.89
PM47	C14	2	40	4	10.00
PM48	C14	2	40	4	10.00
PM49	C14	2	40	5	7.43
PM50	C14	2	40	5	8.70
PM51	C14	2	40	3	10.00
PM52	C14	1	40	2	10.00
PM53	C13	1	40	2	10.00
PM54	C14	2	40	3	10.00
PM55	C14	1	40	2	10.00
PM56	C18	2	40	1	10.00
PM57	C14	2	40	5	8.60
PM58	C13	1	40	2	10.00
PM59	C14	1	40	9	4.53
PM60	C14	1	40	3	10.00
PM61	C13	1	40	6	7.27
PM62	C13	1	40	7	5.97
PM63	C13	1	40	7	6.15
PM64	C14	2	40	8	5.19
PM65	C13	1	40	7	5.48
PM66	C14	1	40	10	3.88
PM67	C13	1	40	0	10.00
PM68	C14	2	40	5	7.69
PM69	C14	2	40	2	10.00
PM70	C14	2	40	3	10.00
PM71	C13	1	40	3	10.00
PM72	C14	1	40	6	7.07
PM73	C14	2	40	6	6.88
PM74	C13	1	40	6	6.51
PM75	C18	1	40	2	10.00
PM76	C13	1	40	3	10.00

11.4.10.2 Verifica: C.A.: pressoflessione

La situazione di verifica più severa, si ottiene nel punto maglia **PM56**, nel caso di carico **C12**, sestetto **13** (Stato limite ultimo).



C.A.: pressoflessione
Situazione peggiore: Punto maglia PM56, Caso C12, Sestetto 13

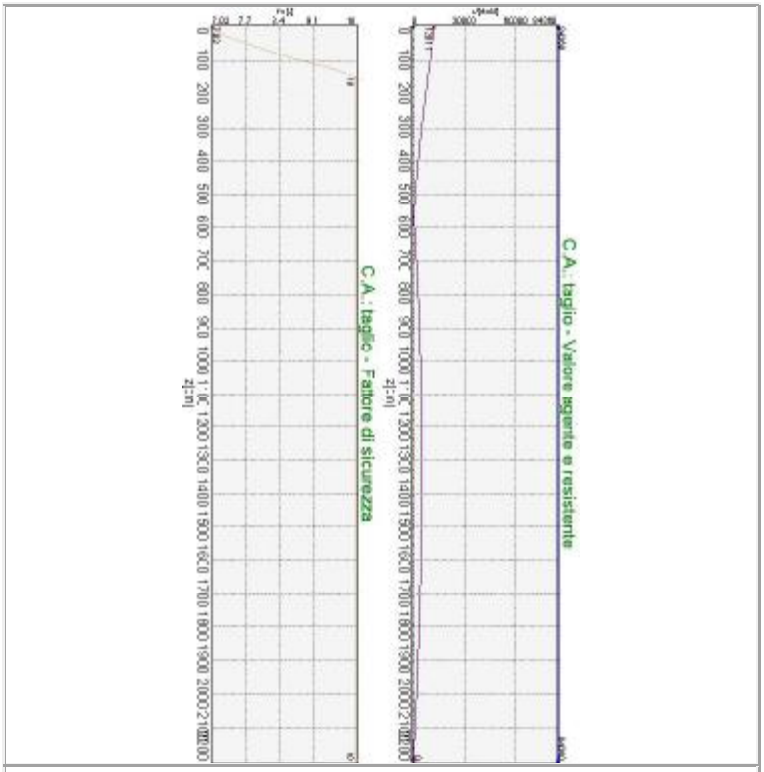
Segue il riassunto della verifica, per tutti i punti maglia, per il caso ed il sestetto che danno il fattore di sicurezza minore.

Verifica: C.A.: pressoflessione					
Punto	Caso	Ses.	R_d: M[daN*cm]	S_d: M[daN*cm]	fs[-]
PM1	C12	2	11681793	1777306	6.57
PM2	C12	2	13109916	1336806	9.81
PM3	C12	2	14600595	3072808	4.75
PM4	C12	2	13220063	1316234	10.00
PM5	C12	2	13172146	1329046	9.91
PM6	C12	2	12479662	1100716	10.00
PM7	C12	2	13163342	1310952	10.00
PM8	C12	2	13222798	1212732	10.00
PM9	C12	2	13140309	1308530	10.00
PM10	C12	2	13219657	1185670	10.00
PM11	C12	2	13267755	1357134	9.78
PM12	C12	2	14185198	365609	10.00
PM13	C12	2	14585665	720168	10.00
PM14	C12	12	11760459	1417966	8.29
PM15	C12	4	13752714	434050	10.00
PM16	C12	5	13966935	532515	10.00
PM17	C12	2	14779707	762193	10.00
PM18	C12	7	12220718	1051280	10.00
PM19	C11	12	13710534	973029	10.00
PM20	C11	5	15224679	799542	10.00
PM21	C11	5	16347925	1832876	8.92
PM22	C11	5	16121648	1269672	10.00
PM23	C12	15	12515176	626267	10.00
PM24	C12	2	12864619	818809	10.00
PM25	C11	5	16713815	2722992	6.14
PM26	C11	12	14921154	2338729	6.38

PM27	C11	12	14644105	2218128	6.60
PM28	C12	7	14772974	473909	10.00
PM29	C12	15	14532830	664531	10.00
PM30	C12	15	14402016	973648	10.00
PM31	C12	5	13825320	526995	10.00
PM32	C12	5	14195262	500440	10.00
PM33	C11	12	14968630	2166000	6.91
PM34	C12	2	14501985	753915	10.00
PM35	C12	2	14527255	754131	10.00
PM36	C12	2	12555156	1206332	10.00
PM37	C12	2	10545587	5261512	2.00
PM38	C12	2	11954907	1144748	10.00
PM39	C12	5	13810002	536980	10.00
PM40	C11	12	9502100	2420146	3.93
PM41	C11	5	9795908	940772	10.00
PM42	C12	2	11510708	1244761	9.25
PM43	C12	2	11383295	4130558	2.76
PM44	C12	2	11400914	4145861	2.75
PM45	C12	2	11426312	4153687	2.75
PM46	C12	15	10907204	4169182	2.62
PM47	C12	2	13281682	1339054	9.92
PM48	C12	2	13084109	1394120	9.39
PM49	C12	2	11086702	4633693	2.39
PM50	C12	2	11574566	4304550	2.69
PM51	C12	2	11412582	3919121	2.91
PM52	C11	12	14085092	796714	10.00
PM53	C12	2	14204743	2315138	6.14
PM54	C12	4	6178102	1800222	3.43
PM55	C12	12	11060579	2771505	3.99
PM56	C12	13	3409634	2070240	1.65
PM57	C11	15	8950623	2265399	3.95
PM58	C11	15	13837630	2260641	6.12
PM59	C11	2	9102852	2372238	3.84
PM60	C12	5	6901794	1770783	3.90
PM61	C11	15	13447881	2087854	6.44
PM62	C11	15	14026704	2802098	5.01
PM63	C11	15	13942666	2691728	5.18
PM64	C11	15	14020761	2487680	5.64
PM65	C11	15	14485236	2834889	5.11
PM66	C11	12	15238045	3073983	4.96
PM67	C12	15	13728250	1393080	9.85
PM68	C11	5	19038309	2930189	6.50
PM69	C11	5	10776037	2643433	4.08
PM70	C11	12	14808629	3217539	4.60
PM71	C11	5	10121987	3134448	3.23
PM72	C11	5	7068276	1456459	4.85
PM73	C12	5	18185550	2648739	6.87
PM74	C11	12	12449190	2819016	4.42
PM75	C11	12	13650130	3647297	3.74
PM76	C12	15	12849408	2074116	6.20

11.4.10.3 Verifica: C.A.: taglio

La situazione di verifica più severa, si ottiene nel punto maglia **PM37**, nel caso di carico **C12**, sestetto **2** (Stato limite ultimo).



C.A.: taglio
Situazione peggiore: Punto maglia PM37, Caso C12, Sestetto 2

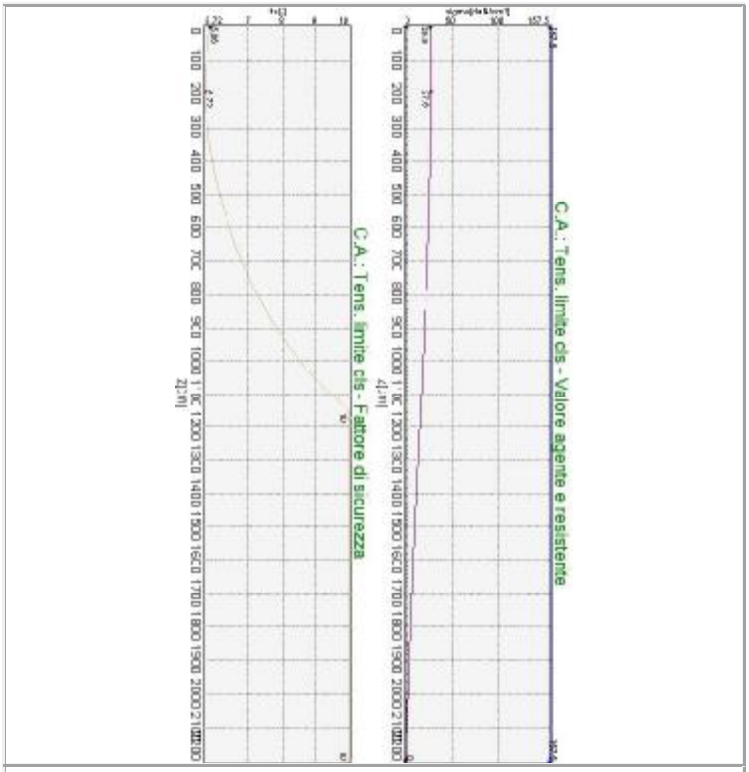
Segue il riassunto della verifica, per tutti i punti maglia, per il caso ed il sestetto che danno il fattore di sicurezza minore.

Verifica: C.A.: taglio					
Punto	Caso	Ses.	R_d: V[daN]	S_d: V[daN]	fs[-]
PM1	C11	5	84360	4710	10.00
PM2	C12	2	84360	3880	10.00
PM3	C3	2	84360	3051	10.00
PM4	C12	2	84360	4289	10.00
PM5	C12	2	84360	3757	10.00
PM6	C12	2	84360	3709	10.00
PM7	C12	2	84360	3811	10.00
PM8	C12	2	84360	3988	10.00
PM9	C12	2	84360	3866	10.00
PM10	C12	2	84360	4036	10.00
PM11	C11	5	84360	4121	10.00
PM12	C11	2	84360	1666	10.00
PM13	C12	5	84360	1927	10.00
PM14	C11	15	84360	1134	10.00
PM15	C11	2	84360	1213	10.00
PM16	C11	2	84360	1814	10.00
PM17	C12	2	84360	2059	10.00
PM18	C11	12	84360	3224	10.00
PM19	C11	12	84360	2438	10.00
PM20	C11	5	84360	2092	10.00
PM21	C11	12	84360	1854	10.00
PM22	C11	12	84360	1761	10.00
PM23	C11	12	84360	2376	10.00
PM24	C11	5	84360	2624	10.00
PM25	C11	5	84360	1916	10.00
PM26	C11	12	84360	1643	10.00

PM27	C11	12	84360	1643	10.00
PM28	C11	5	84360	1951	10.00
PM29	C11	5	84360	2027	10.00
PM30	C12	15	84360	2075	10.00
PM31	C11	2	84360	1968	10.00
PM32	C11	2	84360	1945	10.00
PM33	C11	12	84360	1573	10.00
PM34	C12	2	84360	2133	10.00
PM35	C12	2	84360	2176	10.00
PM36	C12	2	84360	3523	10.00
PM37	C12	2	84360	12011	7.02
PM38	C11	5	84360	852	10.00
PM39	C11	2	84360	2052	10.00
PM40	C11	5	84360	7503	10.00
PM41	C11	12	84360	2852	10.00
PM42	C12	2	84360	3360	10.00
PM43	C12	2	84360	8386	10.00
PM44	C12	2	84360	8608	9.80
PM45	C12	2	84360	8640	9.76
PM46	C12	15	84360	9748	8.65
PM47	C12	2	84360	4351	10.00
PM48	C12	2	84360	4065	10.00
PM49	C12	2	84360	10497	8.04
PM50	C12	2	84360	9104	9.27
PM51	C12	2	84360	7994	10.00
PM52	C11	12	84360	2351	10.00
PM53	C12	2	84360	1686	10.00
PM54	C12	13	84360	3816	10.00
PM55	C12	2	84360	2589	10.00
PM56	C12	4	84360	2630	10.00
PM57	C11	2	84360	7481	10.00
PM58	C11	4	84360	1735	10.00
PM59	C11	15	84360	8071	10.00
PM60	C12	12	84360	5533	10.00
PM61	C11	2	84360	3248	10.00
PM62	C11	2	84360	3200	10.00
PM63	C11	2	84360	3185	10.00
PM64	C3	2	84360	4155	10.00
PM65	C11	2	84360	3356	10.00
PM66	C3	2	84360	6633	10.00
PM67	C12	2	84360	2240	10.00
PM68	C11	5	84360	4928	10.00
PM69	C11	12	84360	2173	10.00
PM70	C3	1	84360	2520	10.00
PM71	C11	12	84360	3460	10.00
PM72	C11	10	84360	7421	10.00
PM73	C11	5	84360	6877	10.00
PM74	C12	10	84360	6467	10.00
PM75	C11	12	84360	2558	10.00
PM76	C3	1	84360	1453	10.00

11.4.10.4 Verifica: C.A.: Tens. limite cls

La situazione di verifica più severa, si ottiene nel punto maglia **PM3**, nel caso di carico **C24**, sestetto **1** (Quasi Permanente).



C.A.: Tens. limite cls
Situazione peggiore: Punto maglia PM3, Caso C24, Sestetto 1

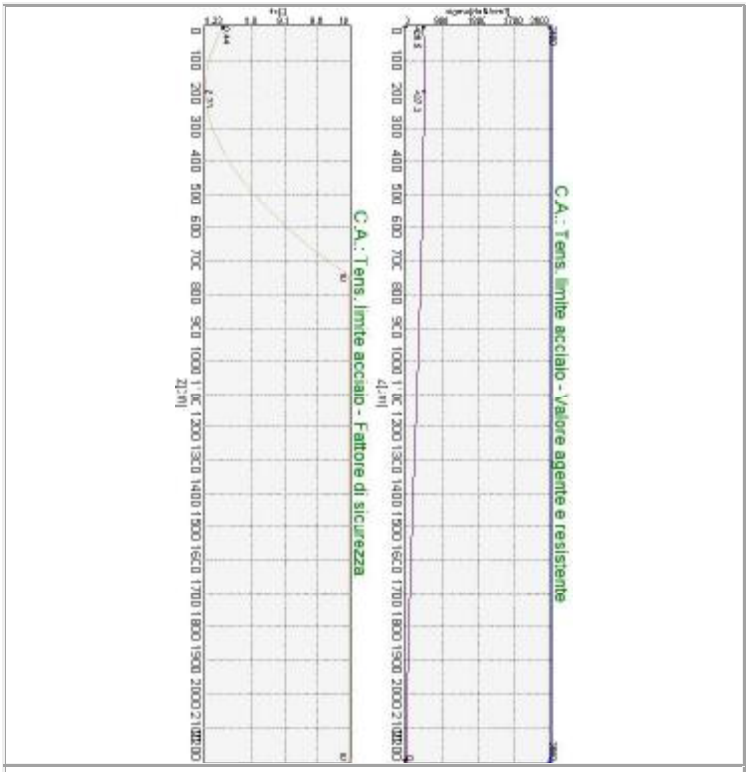
Segue il riassunto della verifica, per tutti i punti maglia, per il caso ed il sestetto che danno il fattore di sicurezza minore.

Verifica: C.A.: Tens. limite cls					
Punto	Caso	Ses.	R_d: sigma[daN/cm2]	S_d: sigma[daN/cm2]	fs[-]
PM1	C24	1	157.5	10.5	10.00
PM2	C24	1	157.5	13.9	10.00
PM3	C24	1	157.5	27.6	5.72
PM4	C24	1	157.5	12.3	10.00
PM5	C24	1	157.5	12.9	10.00
PM6	C24	1	157.5	9.5	10.00
PM7	C24	1	157.5	12.7	10.00
PM8	C24	1	157.5	11.8	10.00
PM9	C24	1	157.5	12.8	10.00
PM10	C24	1	157.5	12.1	10.00
PM11	C24	1	157.5	13.1	10.00
PM12	C24	1	157.5	14.9	10.00
PM13	C24	1	157.5	14.2	10.00
PM14	C24	1	157.5	10.8	10.00
PM15	C24	1	157.5	12.7	10.00
PM16	C24	1	157.5	12.6	10.00
PM17	C24	1	157.5	15.2	10.00
PM18	C24	1	157.5	11.5	10.00
PM19	C24	1	157.5	14.9	10.00
PM20	C24	1	157.5	15.2	10.00
PM21	C24	1	157.5	16.6	9.51
PM22	C24	1	157.5	16.5	9.54
PM23	C24	1	157.5	9.7	10.00
PM24	C24	1	157.5	11.3	10.00
PM25	C24	1	157.5	18.7	8.42
PM26	C24	1	157.5	18.2	8.67

PM27	C24	1	157.5	19.3	8.17
PM28	C24	1	157.5	15.1	10.00
PM29	C24	1	157.5	14.3	10.00
PM30	C24	1	157.5	15	10.00
PM31	C24	1	157.5	12.6	10.00
PM32	C24	1	157.5	13.6	10.00
PM33	C24	1	157.5	17.7	8.89
PM34	C24	1	157.5	14.2	10.00
PM35	C24	1	157.5	14.2	10.00
PM36	C24	1	157.5	9.9	10.00
PM37	C24	1	157.5	12.3	10.00
PM38	C24	1	157.5	9.4	10.00
PM39	C24	1	157.5	12.6	10.00
PM40	C24	1	157.5	6.1	10.00
PM41	C24	1	157.5	6.5	10.00
PM42	C24	1	157.5	8.3	10.00
PM43	C24	1	157.5	9.6	10.00
PM44	C24	1	157.5	10.1	10.00
PM45	C24	1	157.5	11	10.00
PM46	C24	1	157.5	9.4	10.00
PM47	C24	1	157.5	12.3	10.00
PM48	C24	1	157.5	12.9	10.00
PM49	C24	1	157.5	10.4	10.00
PM50	C24	1	157.5	11.6	10.00
PM51	C24	1	157.5	10.1	10.00
PM52	C24	1	157.5	14.8	10.00
PM53	C24	1	157.5	18.5	8.51
PM54	C24	1	157.5	16.5	9.56
PM55	C24	1	157.5	17	9.28
PM56	C24	1	157.5	16.3	9.64
PM57	C24	1	157.5	18.2	8.68
PM58	C24	1	157.5	17.8	8.86
PM59	C24	1	157.5	22.9	6.89
PM60	C24	1	157.5	13.1	10.00
PM61	C24	1	157.5	15.5	10.00
PM62	C24	1	157.5	20.1	7.83
PM63	C24	1	157.5	19.5	8.06
PM64	C24	1	157.5	19.3	8.15
PM65	C24	1	157.5	21.6	7.28
PM66	C24	1	157.5	22	7.15
PM67	C24	1	157.5	18.9	8.35
PM68	C24	1	157.5	19.3	8.14
PM69	C24	1	157.5	17.2	9.16
PM70	C24	1	157.5	20.5	7.70
PM71	C24	1	157.5	17	9.28
PM72	C24	1	157.5	17.7	8.90
PM73	C24	1	157.5	18.9	8.33
PM74	C24	1	157.5	19.1	8.23
PM75	C24	1	157.5	10.2	10.00
PM76	C24	1	157.5	14.2	10.00

11.4.10.5 Verifica: C.A.: Tens. limite acciaio

La situazione di verifica più severa, si ottiene nel punto maglia **PM3**, nel caso di carico **C14**, sestetto **2** (Rara).



C.A.: Tens. limite acciaio
Situazione peggiore: Punto maglia PM3, Caso C14, Sestetto 2

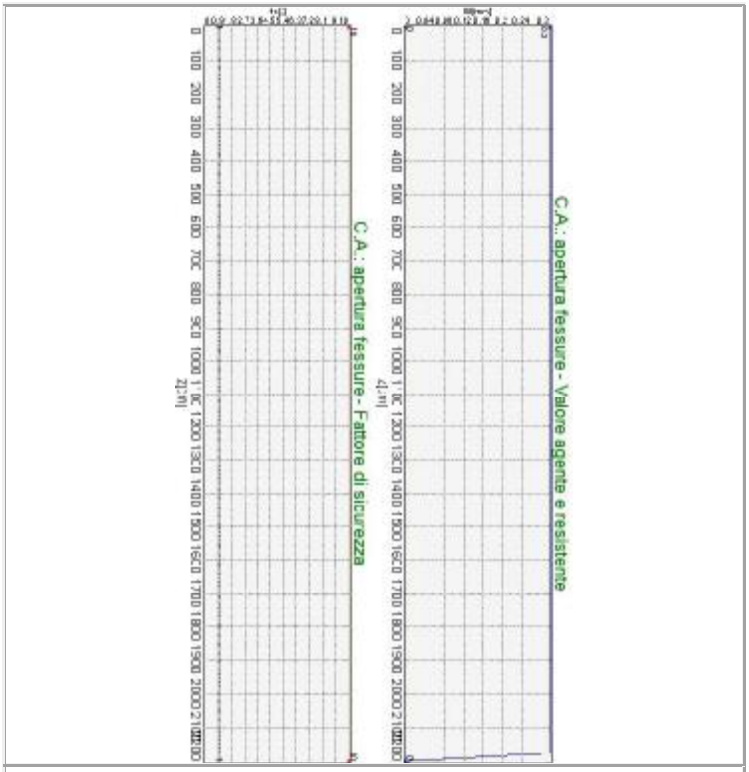
Segue il riassunto della verifica, per tutti i punti maglia, per il caso ed il sestetto che danno il fattore di sicurezza minore.

Verifica: C.A.: Tens. limite acciaio					
Punto	Caso	Ses.	R_d: sigma[daN/cm2]	S_d: sigma[daN/cm2]	fs[-]
PM1	C14	2	3600	168.5	10.00
PM2	C14	2	3600	233.4	10.00
PM3	C14	2	3600	437.3	8.23
PM4	C14	2	3600	208.6	10.00
PM5	C14	2	3600	217.6	10.00
PM6	C14	2	3600	155.2	10.00
PM7	C14	2	3600	208.7	10.00
PM8	C14	2	3600	195.3	10.00
PM9	C14	2	3600	209.6	10.00
PM10	C14	2	3600	200.4	10.00
PM11	C14	2	3600	215.1	10.00
PM12	C14	1	3600	261	10.00
PM13	C14	2	3600	251.7	10.00
PM14	C14	1	3600	174.2	10.00
PM15	C14	1	3600	223.1	10.00
PM16	C14	1	3600	222	10.00
PM17	C14	2	3600	267.1	10.00
PM18	C14	2	3600	184.8	10.00
PM19	C14	1	3600	244.8	10.00
PM20	C14	2	3600	250.5	10.00
PM21	C14	2	3600	271.8	10.00
PM22	C14	2	3600	271.9	10.00
PM23	C14	2	3600	157.3	10.00
PM24	C14	2	3600	183.2	10.00
PM25	C14	2	3600	301.3	10.00
PM26	C14	1	3600	293.9	10.00

PM27	C14	1	3600	310	10.00
PM28	C14	2	3600	254.5	10.00
PM29	C14	2	3600	234.5	10.00
PM30	C14	1	3600	244.6	10.00
PM31	C14	2	3600	221.7	10.00
PM32	C14	2	3600	238.1	10.00
PM33	C14	1	3600	286.5	10.00
PM34	C14	2	3600	251.6	10.00
PM35	C14	2	3600	252.4	10.00
PM36	C14	2	3600	165.6	10.00
PM37	C14	2	3600	196.6	10.00
PM38	C18	2	3600	143.2	10.00
PM39	C14	2	3600	222.3	10.00
PM40	C14	1	3600	93.9	10.00
PM41	C14	1	3600	102.4	10.00
PM42	C14	2	3600	133.3	10.00
PM43	C14	2	3600	151.3	10.00
PM44	C14	2	3600	161.2	10.00
PM45	C14	2	3600	175.6	10.00
PM46	C14	2	3600	149.8	10.00
PM47	C14	2	3600	209.6	10.00
PM48	C14	2	3600	217.1	10.00
PM49	C14	2	3600	166.4	10.00
PM50	C14	2	3600	185.6	10.00
PM51	C14	2	3600	162.3	10.00
PM52	C14	1	3600	242.4	10.00
PM53	C14	1	3600	304.5	10.00
PM54	C14	2	3600	264.6	10.00
PM55	C14	2	3600	266.5	10.00
PM56	C14	2	3600	258.2	10.00
PM57	C14	2	3600	289.5	10.00
PM58	C14	1	3600	285	10.00
PM59	C14	1	3600	357.8	10.00
PM60	C14	1	3600	210.4	10.00
PM61	C14	1	3600	258.3	10.00
PM62	C14	1	3600	335.7	10.00
PM63	C14	1	3600	325.9	10.00
PM64	C14	1	3600	322.2	10.00
PM65	C14	1	3600	357.5	10.00
PM66	C14	1	3600	358.4	10.00
PM67	C14	2	3600	309.9	10.00
PM68	C14	2	3600	311.5	10.00
PM69	C14	1	3600	278.7	10.00
PM70	C14	2	3600	332.4	10.00
PM71	C14	1	3600	280.9	10.00
PM72	C14	1	3600	282.3	10.00
PM73	C14	2	3600	298.5	10.00
PM74	C14	2	3600	295.7	10.00
PM75	C14	1	3600	159.4	10.00
PM76	C13	1	3600	-226.3	10.00

11.4.10.6 Verifica: C.A.: apertura fessure

La situazione di verifica più severa, si ottiene nel punto maglia **PM1**, nel caso di carico **C20**, sestetto **1** (Frequente).



C.A.: apertura fessure
Situazione peggiore: Punto maglia PM1, Caso C20, Sestetto 1

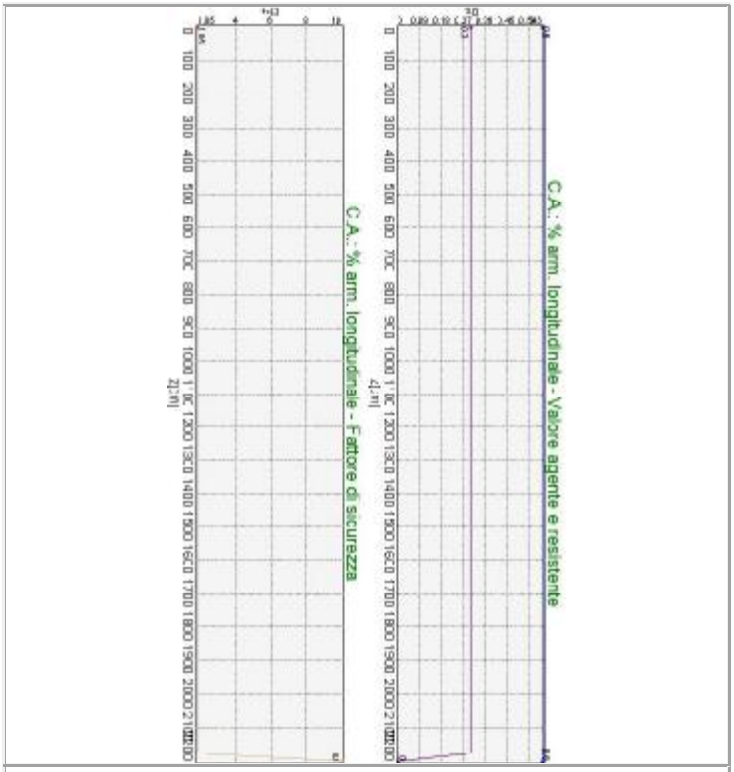
Segue il riassunto della verifica, per tutti i punti maglia, per il caso ed il sestetto che danno il fattore di sicurezza minore.

Verifica: C.A.: apertura fessure					
Punto	Caso	Ses.	R_d: W[mm]	S_d: W[mm]	fs[-]
PM1	C20	1	0.3	0	10.00
PM2	C20	1	0.3	0	10.00
PM3	C20	1	0.3	0	10.00
PM4	C20	1	0.3	0	10.00
PM5	C20	1	0.3	0	10.00
PM6	C20	1	0.3	0	10.00
PM7	C20	1	0.3	0	10.00
PM8	C20	1	0.3	0	10.00
PM9	C20	1	0.3	0	10.00
PM10	C20	1	0.3	0	10.00
PM11	C20	1	0.3	0	10.00
PM12	C20	1	0.3	0	10.00
PM13	C20	1	0.3	0	10.00
PM14	C20	1	0.3	0	10.00
PM15	C20	1	0.3	0	10.00
PM16	C20	1	0.3	0	10.00
PM17	C20	1	0.3	0	10.00
PM18	C20	1	0.3	0	10.00
PM19	C20	1	0.3	0	10.00
PM20	C20	1	0.3	0	10.00
PM21	C20	1	0.3	0	10.00
PM22	C20	1	0.3	0	10.00
PM23	C20	1	0.3	0	10.00
PM24	C20	1	0.3	0	10.00
PM25	C20	1	0.3	0	10.00
PM26	C20	1	0.3	0	10.00

PM27	C20	1	0.3	0	10.00
PM28	C20	1	0.3	0	10.00
PM29	C20	1	0.3	0	10.00
PM30	C20	1	0.3	0	10.00
PM31	C20	1	0.3	0	10.00
PM32	C20	1	0.3	0	10.00
PM33	C20	1	0.3	0	10.00
PM34	C20	1	0.3	0	10.00
PM35	C20	1	0.3	0	10.00
PM36	C20	1	0.3	0	10.00
PM37	C20	1	0.3	0	10.00
PM38	C20	1	0.3	0	10.00
PM39	C20	1	0.3	0	10.00
PM40	C20	1	0.3	0	10.00
PM41	C20	1	0.3	0	10.00
PM42	C20	1	0.3	0	10.00
PM43	C20	1	0.3	0	10.00
PM44	C20	1	0.3	0	10.00
PM45	C20	1	0.3	0	10.00
PM46	C20	1	0.3	0	10.00
PM47	C20	1	0.3	0	10.00
PM48	C20	1	0.3	0	10.00
PM49	C20	1	0.3	0	10.00
PM50	C20	1	0.3	0	10.00
PM51	C20	1	0.3	0	10.00
PM52	C20	1	0.3	0	10.00
PM53	C20	1	0.3	0	10.00
PM54	C20	1	0.3	0	10.00
PM55	C20	1	0.3	0	10.00
PM56	C20	1	0.3	0	10.00
PM57	C20	1	0.3	0	10.00
PM58	C20	1	0.3	0	10.00
PM59	C20	1	0.3	0	10.00
PM60	C20	1	0.3	0	10.00
PM61	C20	1	0.3	0	10.00
PM62	C20	1	0.3	0	10.00
PM63	C20	1	0.3	0	10.00
PM64	C20	1	0.3	0	10.00
PM65	C20	1	0.3	0	10.00
PM66	C20	1	0.3	0	10.00
PM67	C20	1	0.3	0	10.00
PM68	C20	1	0.3	0	10.00
PM69	C20	1	0.3	0	10.00
PM70	C20	1	0.3	0	10.00
PM71	C20	1	0.3	0	10.00
PM72	C20	1	0.3	0	10.00
PM73	C20	1	0.3	0	10.00
PM74	C20	1	0.3	0	10.00
PM75	C20	1	0.3	0	10.00
PM76	C20	1	0.3	0	10.00

11.4.10.7 Verifica: C.A.: % arm. longitudinale

La situazione di verifica più severa, si ottiene nel punto maglia **PM1**, nel caso di carico **C9**, sestetto **1** (Stato limite ultimo).



C.A.: % arm. longitudinale
Situazione peggiore: Punto maglia PM1, Caso C9, Sestetto 1

Segue il riassunto della verifica, per tutti i punti maglia, per il caso ed il sestetto che danno il fattore di sicurezza minore.

Verifica: C.A.: % arm. longitudinale					
Punto	Caso	Ses.	R_d: %[]	S_d: %[]	fs[-]
PM1	C9	1	0.6	0.3	1.85
PM2	C9	1	0.6	0.3	1.85
PM3	C9	1	0.6	0.3	1.85
PM4	C9	1	0.6	0.3	1.85
PM5	C9	1	0.6	0.3	1.85
PM6	C9	1	0.6	0.3	1.85
PM7	C9	1	0.6	0.3	1.85
PM8	C9	1	0.6	0.3	1.85
PM9	C9	1	0.6	0.3	1.85
PM10	C9	1	0.6	0.3	1.85
PM11	C9	1	0.6	0.3	1.85
PM12	C9	1	0.6	0.3	1.85
PM13	C9	1	0.6	0.3	1.85
PM14	C9	1	0.6	0.3	1.85
PM15	C9	1	0.6	0.3	1.85
PM16	C9	1	0.6	0.3	1.85
PM17	C9	1	0.6	0.3	1.85
PM18	C9	1	0.6	0.3	1.85
PM19	C9	1	0.6	0.3	1.85
PM20	C9	1	0.6	0.3	1.85
PM21	C9	1	0.6	0.3	1.85
PM22	C9	1	0.6	0.3	1.85
PM23	C9	1	0.6	0.3	1.85
PM24	C9	1	0.6	0.3	1.85
PM25	C9	1	0.6	0.3	1.85
PM26	C9	1	0.6	0.3	1.85

PM27	C9	1	0.6	0.3	1.85
PM28	C9	1	0.6	0.3	1.85
PM29	C9	1	0.6	0.3	1.85
PM30	C9	1	0.6	0.3	1.85
PM31	C9	1	0.6	0.3	1.85
PM32	C9	1	0.6	0.3	1.85
PM33	C9	1	0.6	0.3	1.85
PM34	C9	1	0.6	0.3	1.85
PM35	C9	1	0.6	0.3	1.85
PM36	C9	1	0.6	0.3	1.85
PM37	C9	1	0.6	0.3	1.85
PM38	C9	1	0.6	0.3	1.85
PM39	C9	1	0.6	0.3	1.85
PM40	C9	1	0.6	0.3	1.85
PM41	C9	1	0.6	0.3	1.85
PM42	C9	1	0.6	0.3	1.85
PM43	C9	1	0.6	0.3	1.85
PM44	C9	1	0.6	0.3	1.85
PM45	C9	1	0.6	0.3	1.85
PM46	C9	1	0.6	0.3	1.85
PM47	C9	1	0.6	0.3	1.85
PM48	C9	1	0.6	0.3	1.85
PM49	C9	1	0.6	0.3	1.85
PM50	C9	1	0.6	0.3	1.85
PM51	C9	1	0.6	0.3	1.85
PM52	C9	1	0.6	0.3	1.85
PM53	C9	1	0.6	0.3	1.85
PM54	C9	1	0.6	0.3	1.85
PM55	C9	1	0.6	0.3	1.85
PM56	C9	1	0.6	0.3	1.85
PM57	C9	1	0.6	0.3	1.85
PM58	C9	1	0.6	0.3	1.85
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PM66	C9	1	0.6	0.3	1.85
PM67	C9	1	0.6	0.3	1.85
PM68	C9	1	0.6	0.3	1.85
PM69	C9	1	0.6	0.3	1.85
PM70	C9	1	0.6	0.3	1.85
PM71	C9	1	0.6	0.3	1.85
PM72	C9	1	0.6	0.3	1.85
PM73	C9	1	0.6	0.3	1.85
PM74	C9	1	0.6	0.3	1.85
PM75	C9	1	0.6	0.3	1.85
PM76	C9	1	0.6	0.3	1.85