REGIONE PIEMONTE

COMUNE DI LA LOGGIA

Città Metropolitana di Torino

LAVORI DI SISTEMAZIONE E REALIZZAZIONE LOTTO DI COMPLETAMENTO "CAMPO F" CIMITERO COMUNALE

SECONDO LOTTO D'INTERVENTO

PROGETTO DEFINITIVO - ESECUTIVO

CUP: D98C18000100004 *CIG: ZAF2655E2D*

ALLEGATO **B**

RELAZIONE TECNICA E DI CALCOLO DELLE STRUTTURE

Progettista:

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Proprietà:

COMUNE DI LA LOGGIA

Via Bistolfi n. 47, 10040 – La Loggia (TO)

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PREMESSA

I calcoli sono stati eseguiti in conformità alle vigenti Norme Tecniche emanate dal Ministero dei Lavori Pubblici secondo quanto disposto dalle seguenti normative, tenendo presenti le caratteristiche, le qualità e le dosature dei materiali da impiegarsi nelle opere da costruire.

DESCRIZIONE DELLE OPERE IN PROGETTO

Oggetto delle opere in conglomerato cementizio armato semplice è la costruzione di un colombario di numero 160 di loculi (Padiglione H) e la realizzazione di un magazzino a servizio delle attività cimiteriali (Padiglione E), siti in La Loggia (TO).

Il padiglione H è realizzato con struttura in c.a. e presenta cinque orizzontamenti più la copertura in c.a. per i 160 loculi, struttura in c.a. e numero 1 orizzontamento più la copertura in c.a. per il magazzino (Padiglione E).

Inoltre, viene realizzata la platea di fondazione per i muri retrostanti il cinerario comune nell'area adibita al Giardino della Rimembranza (Padiglione G); la struttura fuori terra del cinerario sarà invece prefabbricata in c.a. vibrocompresso, così come il pozzo perdente sottostante a raccolta delle ceneri.

NORMATIVA DI RIFERIMENTO

- Legge 5/11/1971 n. 1086: Norme per la disciplina delle opere di conglomerato cementizio armato, normale e precompresso ed a struttura metallica.
- D.P.R. 6/6/2001 n. 380: Testo unico delle disposizioni legislative e regolamentari in materia edilizia.
- Legge 2/2/1974 n. 64: Provvedimenti per le costruzioni con particolari prescrizioni per le zone sismiche.
- C.N.R. 10024/86 del 23/7/1986: Analisi di strutture mediante elaboratore: impostazione e redazione delle relazioni di calcolo
- D.M. 14/2/1992: Norme tecniche per l'esecuzione delle opere in cemento armato normale e precompresso e per le strutture metalliche.
- D.M. 9/1/1996: Norme tecniche per il calcolo, l'esecuzione ed il collaudo delle opere in cemento armato normale e precompresso e per le strutture metalliche.

- D.M. 16/1/1996: Norme tecniche relative ai criteri generali per la verifica della sicurezza delle costruzioni e dei carichi e dei sovraccarichi.
- D.M. 16/1/1996: Norme tecniche per le costruzioni in zona sismica.
- D. M. 17/1/2018: Norme tecniche per le costruzioni, (in Gazzetta Ufficiale n. 42 del 20 febbraio 2018).

CARATTERISTICHE DEI MATERIALI

Nella esecuzione delle opere in epigrafe è previsto l'impiego dei seguenti materiali:

CALCESTRUZZO : Classe C25/30

R_{ck}= 30 N/mm^2

f_{ck}= 25 N/mm^2

ACCIAIO : FeB44K

f_{tk}= 540 N/mm^2

f_{yk}= 450 N/mm^2

ANALISI STRUTTURALE – CRITERI E METODI ADOTTATI NEI CALCOLI

In conformità alle vigenti disposizioni normative, poiché le nuove strutture in c.a. presentano le seguenti caratteristiche:

- Tipologia costruzione (art. 2.4.1 NTC): 2 Vn >=50 anni
- Classe d'uso (art. 2.4.2 NTC): II normali affollamenti.
- Sita nel Comune di La Loggia (TO) ricadente in Zona 4
- Regolarità in pianta (art. 7.2.2 NTC): si
- Regolarità in altezza (art. 7.2.2 NTC): no
- Altezza massima (art. 7.3.3.2 NTC): 4.86 m. circa < 40.00 m
- Periodo di vibrazione principale (art. 7.3.3.2 NTC): $T_1=C_1H^{3/4}<2.5\ T_C$ o T_D

  $T_1 = 0.075*4.86^{3/4} = 0.245$ s

  $2.5\ T_C = 2.5*0.274 = 0.685$ s

  $T_D = 1.839$ s

Le nuove strutture in c.a.,ai sensi delle prescrizioni indicate alla premessa del Cap.7 delle NTC 2018, sarà progettata e verificata applicando le regole valide per le costruzioni non soggette ad azione sismica indicate nel Cap,4 secondo il metodo degli Stati Limite; sarà quindi condotta un'analisi semplificata, in regime statico lineare considerando oltre alle azioni permanenti e variabili, forze statiche equivalenti alle forze di inerzia indotte dall'azione sismica come indicato al punto 7.3.3.2 delle NTC 2018.

AZIONI DI PROGETTO

Azioni verticali

- Fondazione loculi (h=30 cm):

  Peso proprio struttura G_{k1}= 7.50 KN/m^2
  Carico permanente G_{k2}= 1.50 KN/m^2
  Carico accidentale Q_k= 2.50 KN/m^2 (Cat. A – Tab. 3.1.II)

- Coperture (h=15 cm):

  Peso proprio struttura G_{k1}= 3.75 KN/m^2
  Carico neve Q_{sk}= 1.22 KN/m^2

Azioni orizzontali

Le azioni orizzontali agenti sulla struttura considerati nella presente analisi sono indotte dal sisma. Come indicato in precedenza si considerano delle forze statiche equivalenti applicate ai vari piani rigidi della struttura. La forza da applicare a ciascuna massa della costruzione è data dalla formula seguente:

$F_i = F_h \cdot z_i \cdot W_i \,/\, S_j\, z_j \cdot W_j$

dove:

$F_h = S_d\,(T_1\,) \cdot W \cdot I \,/\, g$

F_i è la forza da applicare alla massa i-esima;

W_i e W_j sono i pesi, rispettivamente, della massa i e della massa j;

z_i e z_j sono le quote, rispetto al piano di fondazione delle masse i e j;

$S_d(T_1)$ è l'ordinata dello spettro di risposta di progetto definito al § 3.2.3.5;

W è il peso complessivo della costruzione;

l = 0,85 se (valido per costruzioni con almeno tre orizzontamenti e $T_1 < 2T_C$, pari a 1,0)

g è l'accelerazione di gravità.

INDIVIDUAZIONE DEL CODICE DI CALCOLO

Per il calcolo delle sollecitazioni e per la verifica di travi e pilastri in cemento armato si è fatto ricorso all'elaboratore elettronico utilizzando il seguente programma di calcolo: DOLMEN WIN (R), versione 10.0 del 2010 prodotto, distribuito ed assistito dalla CDM DOLMEN srl, con sede in Torino, Via Drovetti 9/F.

Questa procedura e' sviluppata in ambiente Windows, ed e' stata scritta utilizzando i linguaggi Fortran e C. DOLMEN WIN permette l'analisi elastica lineare di strutture tridimensionali con nodi a sei gradi di libertà utilizzando un solutore ad elementi finiti. Gli elementi considerati sono la trave, con eventuali svincoli interni o rotazione attorno al proprio asse, ed il guscio, sia rettangolare che triangolare, avente comportamento di membrana e di piastra. I carichi possono essere applicati sia ai nodi, come forze o coppie concentrate, sia sulle travi, come forze distribuite, trapezie, concentrate, come coppie e come distorsioni termiche. I vincoli sono forniti tramite le sei costanti di rigidezza elastica.

GRADO DI AFFIDABILITA' DEL CODICE

L'affidabilità del codice di calcolo è garantita dall'esistenza di un'ampia documentazione di supporto, come indicato nel paragrafo precedente. La presenza di un modulo CAD per l'introduzione di dati permette la visualizzazione dettagliata degli elementi introdotti. È possibile inoltre ottenere rappresentazioni grafiche di deformate e sollecitazioni della struttura. Al termine dell'elaborazione viene inoltre valutata la qualità della soluzione, in base all'uguaglianza del lavoro esterno e dell'energia di deformazione.

ESAME DEI RISULTATI E CONTROLLI

Valutazione della correttezza del modello

Il modello di calcolo adottato e' da ritenersi appropriato in quanto non sono state riscontrate labilita', le reazioni vincolari equilibrano i carichi applicati, la simmetria di carichi e struttura da' origine a sollecitazioni simmetriche.

Giudizio motivato di accettabilita' dei risultati

L'analisi critica dei risultati e dei parametri di controllo nonche' il confronto con calcolazioni di massima eseguite manualmente porta ad confermare la validita' dei risultati.

ALLEGATI

Alla presente relazione si allegano le seguenti stampe:

- dati di ingresso;
- verifiche di resistenza di pilastri, opere di fondazione

DATI ANALISI SISMICA Loculi:

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--------------------------------------------------------------------------------
Analisi sismica - Statica lineare - ( NTC 2008 )
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DATI PROGETTO

Edificio  sito in località  LA LOGGIA ( long. 7.668   lat. 44.955800 )

Categoria del suolo di fondazione  = D

Coeff. di amplificazione stratigrafica Ss = 1.800

Coeff. di amplificazione topografica   ST = 1.000

S   =  1.800

Vita nominale dell'opera VN     = 50  anni

Coefficiente d'uso CU           = 1.0

Periodo di riferimento VR       = 50.0

PVR : probabilità di superamento  in VR   = 10 %

Tempo di ritorno                = 475

Coeff. di smorzamento viscoso   = 5.0


Valori risultanti per :
ag  0.597  [g/10]
Fo  2.754
TC* 0.274


Edificio con struttura in cem. armato  :
Fattore di struttura q             = 3.120

   q = q0 * KR * KW    dove :
       q0 = 3.00 *  1.3 ( A telaio con più piani e più campate)   ( Classe di duttilità "B" (
bassa ) )
       KR = 0.8 ( Edifici non regolari in altezza)
       KW = 1.00

Rapporto spettro di esercizio / spettro di progetto   = 1.496


Coeff. lambda    =   1.0000
Sd               =    0.070


Numero condizioni generanti carichi sismici :    3

Cond. 001 : Peso_proprio________   con coeff.     1.000
Cond. 002 : Permanente__________   con coeff.     1.000
Cond. 003 : A:Var_abitazione____   con coeff.     0.300


Condizioni di carico sismico generate:

Cond. 005 :              Sisma X
Cond. 006 :              Sisma Y
Cond. 007 :      Torcente add. X
Cond. 008 :      Torcente add. Y


Carichi sismici :

|       Piani|        Pesi|   C. distr.| Forze di piano|Torc. di piano X|Torc. di piano Y|
Baric. X|  Baric. Y|
|          cm|         daN|            |            daN|            daNm|            daNm|
cm|        cm|
|        46.0|       17601|      0.0109|            192|            23.5|           168.7|
27.9|    2325.3|
|       138.0|       49184|      0.0327|           1608|           196.7|          1414.5|
25.9|    2313.3|
|       230.0|       49184|      0.0545|           2680|           327.8|          2357.4|
25.9|    2313.3|
|       322.0|       49184|      0.0763|           3753|           458.9|          3300.4|
25.9|    2313.3|
|       414.0|      118422|      0.0981|          11617|          3293.4|         10217.1|
23.7|    2242.9|
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DESCRIZIONE CASI DI CARICO:

NOME	DESCRIZIONE	VERIFICA	TIPO	CONDIZ. INSERITE			CASI INSERITI	
				Num.	Coeff.	Segno	Num.	Coeff.
1	SLU SENZA SISMA	S.L.U.	somma	1	1.300	+		
				2	1.500	+		
				3	1.500	+		
				4	1.500	+		
2	SISMAX SLU	nessuna	somma	5	1.000	±		
				7	1.000	±		
3	SISMAY SLU	nessuna	somma	6	1.000	±		
				8	1.000	±		
4	SLU con SISMAX	S.L.U.	somma	1	1.000	+	2	1.000
				2	1.000	+		
				3	0.300	+		
5	SLU con SISMAY	S.L.U.	somma	1	1.000	+	3	1.000
				2	1.000	+		
				3	0.300	+		
6	SLUGeo	SLU_GEO	somma	1	1.000	+		
				2	1.300	+		
				3	1.300	+		
				4	1.300	+		
7	Rara	Rara	somma	1	1.000	+		
				2	1.000	+		
				3	1.000	+		
				4	1.000	+		
8	Frequente	Freq.	somma	1	1.000	+		
				2	1.000	+		
				3	0.500	+		
				4	0.200	+		
9	Quasi Perm	QuasiPerm.	somma	1	1.000	+		
				2	1.000	+		
				3	0.300	+		

VERIFICA OPERE DI FONDAZIONE:

MACROGUSCIO P1____

VERIFICHE A FESSURAZIONE (EFFETTO MEMBRANA + PIASTRA)

unità di misura:
lunghezze : [cm] - forze : [daN]
momenti : [daNcm/cm] - tensioni : [daN/cm2]
pesi specifici: [daN/m3] - angoli : [gradi]
armature : [cm2]

CASI DI CARICO:

Nome	Descrizione
7	Rara (RARA)
8	Frequente (FREQUENTE)
9	Quasi Perm (QUASI PERMANENTE)

DATI:
copriferro inferiore (asse armatura): 4 cm
copriferro superiore (asse armatura): 4 cm

Af = area effettiva disposta nello strato indicato (cm2 al metro)
wkR = apertura caratteristica per combinazione rara (mm) - apertura max = 0.4 mm
wkF = '' '' '' '' frequente (mm) - '' '' = 0.4 mm
wkP = '' '' '' '' quasi permanente (mm) - '' '' = 0.3 mm

ARMATURA INFERIORE ORIZZONTALE

	COMBINAZIONE RARA					COMBINAZIONE FREQUENTE					COMBINAZIONE QUASI PERMANENTE				
GUSCI	Af	Afc	Mom	Nor	sigC	sigF	WkR	Mom	Nor	sigC	sigF	WkF	Mom	Nor	sigC	sigF	WkP
551	3.97	2.56	872	0.	14.14	905.	0.090	743	0.	12.04	771.	0.077	698	0.	11.31	724.	0.072
552	3.97	2.56	1589	0.	25.75	1648.	0.164	1359	0.	22.02	1410.	0.140	1278	0.	20.71	1326.	0.132
553	3.97	2.56	1700	0.	27.54	1763.	0.175	1457	0.	23.61	1511.	0.150	1371	0.	22.22	1422.	0.141
554	3.97	2.56	1588	0.	25.74	1648.	0.164	1359	0.	22.02	1410.	0.140	1278	0.	20.71	1326.	0.132
555	3.97	2.56	872	0.	14.13	905.	0.090	743	0.	12.03	770.	0.077	697	0.	11.30	724.	0.072
556	3.97	2.56	372	0.	6.03	386.	0.038	324	0.	5.26	337.	0.033	307	0.	4.97	318.	0.032
557	3.97	2.56	553	0.	8.96	574.	0.057	481	0.	7.79	499.	0.050	454	0.	7.36	471.	0.047
558	3.97	2.56	542	0.	8.78	562.	0.056	471	0.	7.64	489.	0.049	445	0.	7.21	462.	0.046
559	3.97	2.56	553	0.	8.96	574.	0.057	481	0.	7.79	499.	0.050	454	0.	7.36	471.	0.047
560	3.97	2.56	372	0.	6.03	386.	0.038	324	0.	5.26	336.	0.033	306	0.	4.97	318.	0.032
561	3.97	2.56	381	0.	6.18	395.	0.039	331	0.	5.36	343.	0.034	313	0.	5.07	324.	0.032
562	3.97	2.56	501	0.	8.11	519.	0.052	435	0.	7.05	451.	0.045	411	0.	6.66	427.	0.042
563	3.97	2.56	470	0.	7.61	487.	0.048	409	0.	6.63	424.	0.042	387	0.	6.27	401.	0.040
564	3.97	2.56	500	0.	8.11	519.	0.052	435	0.	7.05	451.	0.045	411	0.	6.66	426.	0.042

565 | 3.97 2.56| 381 0. 6.18 395. 0.039| 331 0. 5.36 343. 0.034| 312 0. 5.06 324. 0.032|
566 | 3.97 2.56| 274 0. 4.44 284. 0.028| 237 0. 3.84 246. 0.024| 224 0. 3.62 232. 0.023|
567 | 3.97 2.56| 394 0. 6.38 408. 0.041| 342 0. 5.54 354. 0.035| 323 0. 5.24 335. 0.033|
568 | 3.97 2.56| 397 0. 6.43 412. 0.041| 345 0. 5.60 358. 0.036| 327 0. 5.30 339. 0.034|
569 | 3.97 2.56| 393 0. 6.38 408. 0.041| 342 0. 5.54 354. 0.035| 323 0. 5.24 335. 0.033|
570 | 3.97 2.56| 274 0. 4.43 284. 0.028| 237 0. 3.84 246. 0.024| 224 0. 3.62 232. 0.023|
571 | 3.97 2.56| 178 0. 2.88 185. 0.018| 157 0. 2.54 163. 0.016| 149 0. 2.42 155. 0.015|
572 | 3.97 2.56| 283 0. 4.59 294. 0.029| 247 0. 4.00 256. 0.025| 234 0. 3.80 243. 0.024|
573 | 3.97 2.56| 326 0. 5.28 338. 0.034| 283 0. 4.59 294. 0.029| 269 0. 4.36 279. 0.028|
574 | 3.97 2.56| 283 0. 4.59 294. 0.029| 247 0. 4.00 256. 0.025| 235 0. 3.80 243. 0.024|
575 | 3.97 2.56| 178 0. 2.89 185. 0.018| 157 0. 2.54 163. 0.016| 150 0. 2.42 155. 0.015|
576 | 3.97 2.56| 208 0. 3.37 216. 0.021| 182 0. 2.95 189. 0.019| 174 0. 2.81 180. 0.018|
577 | 3.97 2.56| 271 0. 4.39 281. 0.028| 236 0. 3.83 245. 0.024| 225 0. 3.65 234. 0.023|
578 | 3.97 2.56| 271 0. 4.39 281. 0.028| 235 0. 3.82 244. 0.024| 224 0. 3.63 233. 0.023|
579 | 3.97 2.56| 271 0. 4.39 281. 0.028| 236 0. 3.83 245. 0.024| 225 0. 3.65 234. 0.023|
580 | 3.97 2.56| 208 0. 3.37 216. 0.021| 182 0. 2.95 189. 0.019| 174 0. 2.82 180. 0.018|
581 | 3.97 2.56| 173 0. 2.81 180. 0.018| 150 0. 2.43 156. 0.015| 143 0. 2.32 149. 0.015|
582 | 3.97 2.56| 264 0. 4.28 274. 0.027| 229 0. 3.72 238. 0.024| 220 0. 3.56 228. 0.023|
583 | 3.97 2.56| 246 0. 3.98 255. 0.025| 214 0. 3.46 222. 0.022| 204 0. 3.31 212. 0.021|
584 | 3.97 2.56| 264 0. 4.28 274. 0.027| 230 0. 3.72 238. 0.024| 220 0. 3.57 228. 0.023|
585 | 3.97 2.56| 174 0. 2.81 180. 0.018| 150 0. 2.43 156. 0.015| 144 0. 2.33 149. 0.015|
586 | 3.97 2.56| 90 0. 1.46 94. 0.009| 76 0. 1.24 79. 0.008| 73 0. 1.19 76. 0.008|
587 | 3.97 2.56| 205 0. 3.33 213. 0.021| 177 0. 2.87 184. 0.018| 170 0. 2.76 177. 0.018|
588 | 3.97 2.56| 228 0. 3.69 236. 0.023| 197 0. 3.20 205. 0.020| 190 0. 3.08 197. 0.020|
589 | 3.97 2.56| 206 0. 3.33 213. 0.021| 177 0. 2.87 184. 0.018| 171 0. 2.77 177. 0.018|
590 | 3.97 2.56| 91 0. 1.47 94. 0.009| 77 0. 1.24 80. 0.008| 73 0. 1.19 76. 0.008|
591 | 3.97 2.56| 0. 0. 0.01 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000|
592 | 3.97 2.56| 134 0. 2.17 139. 0.014| 113 0. 1.84 118. 0.012| 110 0. 1.78 114. 0.011|
593 | 3.97 2.56| 194 0. 3.14 201. 0.020| 167 0. 2.70 173. 0.017| 162 0. 2.62 168. 0.017|
594 | 3.97 2.56| 134 0. 2.18 139. 0.014| 114 0. 1.84 118. 0.012| 110 0. 1.79 114. 0.011|
595 | 3.97 2.56| 0. 0. 0.01 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000|
596 | 3.97 2.56| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000|

597	3.97	2.56	141	0.	2.28	146.	0.015	123	0.	1.99	128.	0.013	119	0.	1.93	123.	0.012
598	3.97	2.56	170	0.	2.75	176.	0.017	145	0.	2.35	151.	0.015	142	0.	2.30	147.	0.015
599	3.97	2.56	141	0.	2.29	146.	0.015	123	0.	2.00	128.	0.013	119	0.	1.93	124.	0.012
600	3.97	2.56	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
601	3.97	2.56	1296	0.	5.32	551.	0.070	1103	0.	4.53	469.	0.059	1036	0.	4.25	440.	0.056
602	3.97	2.56	2122	0.	8.70	901.	0.114	1812	0.	7.43	770.	0.097	1704	0.	6.99	724.	0.091
603	3.97	2.56	2086	0.	8.55	886.	0.112	1785	0.	7.32	758.	0.096	1680	0.	6.89	713.	0.090
604	3.97	2.56	2122	0.	8.70	901.	0.114	1812	0.	7.43	770.	0.097	1704	0.	6.99	724.	0.091
605	3.97	2.56	1296	0.	5.31	550.	0.069	1103	0.	4.52	468.	0.059	1036	0.	4.25	440.	0.056
606	3.97	2.56	1033	0.	4.24	439.	0.055	880	0.	3.61	374.	0.047	827	0.	3.39	351.	0.044
607	3.97	2.56	1747	0.	7.17	742.	0.094	1494	0.	6.13	634.	0.080	1405	0.	5.76	597.	0.075
608	3.97	2.56	1756	0.	7.20	746.	0.094	1505	0.	6.17	639.	0.081	1416	0.	5.81	602.	0.076
609	3.97	2.56	1747	0.	7.16	742.	0.094	1493	0.	6.12	634.	0.080	1404	0.	5.76	596.	0.075
610	3.97	2.56	1033	0.	4.24	439.	0.055	880	0.	3.61	374.	0.047	827	0.	3.39	351.	0.044

ARMATURA INFERIORE VERTICALE

			COMBINAZIONE RARA					COMBINAZIONE FREQUENTE					COMBINAZIONE QUASI PERMANENTE				
GUSCI	Af	Afc	Mom	Nor	sigC	sigF	WkR	Mom	Nor	sigC	sigF	WkF	Mom	Nor	sigC	sigF	WkP
551	4.01	2.60	600	0.	9.67	616.	0.060	579	0.	9.34	595.	0.058	556	0.	8.97	571.	0.056
552	4.01	2.60	614	0.	9.90	630.	0.062	591	0.	9.53	607.	0.060	567	0.	9.14	582.	0.057
553	4.01	2.60	570	0.	9.19	585.	0.057	552	0.	8.90	566.	0.056	530	0.	8.54	544.	0.053
554	4.01	2.60	614	0.	9.91	630.	0.062	591	0.	9.53	607.	0.060	567	0.	9.14	582.	0.057
555	4.01	2.60	600	0.	9.68	616.	0.061	580	0.	9.35	595.	0.058	556	0.	8.97	571.	0.056
556	4.01	2.60	2284	0.	36.82	2343.	0.230	2031	0.	32.74	2084.	0.205	1928	0.	31.08	1978.	0.194
557	4.01	2.60	2206	0.	35.56	2263.	0.222	1963	0.	31.65	2015.	0.198	1864	0.	30.06	1913.	0.188
558	4.01	2.60	2069	0.	33.35	2123.	0.209	1845	0.	29.75	1893.	0.186	1753	0.	28.26	1798.	0.177
559	4.01	2.60	2205	0.	35.56	2263.	0.222	1963	0.	31.65	2015.	0.198	1864	0.	30.06	1913.	0.188
560	4.01	2.60	2284	0.	36.82	2343.	0.230	2031	0.	32.74	2084.	0.205	1928	0.	31.08	1978.	0.194
561	4.01	2.60	2986	0.	48.14	3064.	0.301	2630	0.	42.40	2698.	0.265	2494	0.	40.21	2559.	0.251
562	4.01	2.60	2923	0.	47.13	2999.	0.295	2576	0.	41.53	2643.	0.260	2444	0.	39.40	2507.	0.246
563	4.01	2.60	2828	0.	45.59	2901.	0.285	2494	0.	40.21	2559.	0.251	2366	0.	38.15	2428.	0.239
564	4.01	2.60	2923	0.	47.13	2999.	0.295	2576	0.	41.53	2643.	0.260	2444	0.	39.40	2507.	0.246

```
565  |  4.01  2.60|  2986    0. 48.13 3063. 0.301|  2630    0. 42.40 2698. 0.265|  2494    0.
40.21 2559. 0.251|
566  |  4.01  2.60|  3063    0. 49.39 3143. 0.309|  2687    0. 43.31 2757. 0.271|  2548    0.
41.08 2614. 0.257|
567  |  4.01  2.60|  3031    0. 48.87 3110. 0.306|  2659    0. 42.87 2728. 0.268|  2522    0.
40.66 2588. 0.254|
568  |  4.01  2.60|  2987    0. 48.16 3065. 0.301|  2622    0. 42.27 2690. 0.264|  2487    0.
40.09 2552. 0.251|
569  |  4.01  2.60|  3031    0. 48.87 3110. 0.306|  2659    0. 42.87 2728. 0.268|  2522    0.
40.66 2588. 0.254|
570  |  4.01  2.60|  3063    0. 49.39 3143. 0.309|  2686    0. 43.31 2756. 0.271|  2548    0.
41.08 2614. 0.257|
571  |  4.01  2.60|  2745    0. 44.25 2816. 0.277|  2402    0. 38.73 2465. 0.242|  2280    0.
36.75 2339. 0.230|
572  |  4.01  2.60|  2730    0. 44.01 2801. 0.275|  2389    0. 38.51 2451. 0.241|  2266    0.
36.54 2326. 0.228|
573  |  4.01  2.60|  2711    0. 43.70 2781. 0.273|  2371    0. 38.23 2433. 0.239|  2250    0.
36.27 2308. 0.227|
574  |  4.01  2.60|  2730    0. 44.01 2801. 0.275|  2389    0. 38.51 2451. 0.241|  2267    0.
36.54 2326. 0.229|
575  |  4.01  2.60|  2745    0. 44.26 2817. 0.277|  2402    0. 38.73 2465. 0.242|  2280    0.
36.75 2339. 0.230|
576  |  4.01  2.60|  2223    0. 35.84 2281. 0.224|  1939    0. 31.27 1990. 0.196|  1841    0.
29.69 1889. 0.186|
577  |  4.01  2.60|  2192    0. 35.33 2249. 0.221|  1912    0. 30.82 1961. 0.193|  1815    0.
29.26 1862. 0.183|
578  |  4.01  2.60|  2144    0. 34.57 2200. 0.216|  1870    0. 30.15 1919. 0.189|  1775    0.
28.61 1821. 0.179|
579  |  4.01  2.60|  2192    0. 35.34 2249. 0.221|  1912    0. 30.82 1962. 0.193|  1815    0.
29.26 1862. 0.183|
580  |  4.01  2.60|  2223    0. 35.85 2281. 0.224|  1940    0. 31.27 1990. 0.196|  1841    0.
29.69 1889. 0.186|
581  |  4.01  2.60|  1516    0. 24.45 1556. 0.153|  1317    0. 21.23 1351. 0.133|  1251    0.
20.17 1283. 0.126|
582  |  4.01  2.60|  1472    0. 23.72 1510. 0.148|  1278    0. 20.60 1311. 0.129|  1213    0.
19.56 1245. 0.122|
583  |  4.01  2.60|  1404    0. 22.64 1441. 0.142|  1219    0. 19.65 1251. 0.123|  1157    0.
18.65 1187. 0.117|
584  |  4.01  2.60|  1472    0. 23.73 1510. 0.148|  1278    0. 20.60 1311. 0.129|  1213    0.
19.56 1245. 0.122|
585  |  4.01  2.60|  1516    0. 24.45 1556. 0.153|  1317    0. 21.24 1352. 0.133|  1251    0.
20.17 1284. 0.126|
586  |  4.01  2.60|   691    0. 11.15  709. 0.070|   593    0.  9.56  608. 0.060|   562    0.
9.06  577. 0.057|
587  |  4.01  2.60|   659    0. 10.62  676. 0.066|   565    0.  9.10  579. 0.057|   535    0.
8.62  549. 0.054|
588  |  4.01  2.60|   598    0.  9.64  613. 0.060|   512    0.  8.25  525. 0.052|   484    0.
7.81  497. 0.049|
589  |  4.01  2.60|   659    0. 10.62  676. 0.066|   565    0.  9.10  579. 0.057|   535    0.
8.63  549. 0.054|
590  |  4.01  2.60|   692    0. 11.15  710. 0.070|   593    0.  9.56  608. 0.060|   562    0.
9.06  577. 0.057|
591  |  4.01  2.60|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
592  |  4.01  2.60|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
593  |  4.01  2.60|    56    0.  0.90   57. 0.006|    43    0.  0.69   44. 0.004|    38    0.
0.61   39. 0.004|
594  |  4.01  2.60|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
595  |  4.01  2.60|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
596  |  4.01  2.60|   109    0.  1.75  112. 0.011|    98    0.  1.59  101. 0.010|    92    0.
1.49   95. 0.009|
```

597	4.01	2.60	84	0.	1.35	86.	0.008	75	0.	1.20	77.	0.008	70	0.	1.13	72.	0.007
598	4.01	2.60	52	0.	0.83	53.	0.005	45	0.	0.73	47.	0.005	42	0.	0.68	43.	0.004
599	4.01	2.60	84	0.	1.35	86.	0.008	75	0.	1.20	77.	0.008	70	0.	1.13	72.	0.007
600	4.01	2.60	109	0.	1.75	112.	0.011	98	0.	1.59	101.	0.010	92	0.	1.49	95.	0.009
601	4.01	2.60	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
602	4.01	2.60	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
603	4.01	2.60	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
604	4.01	2.60	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
605	4.01	2.60	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
606	4.01	2.60	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
607	4.01	2.60	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
608	4.01	2.60	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
609	4.01	2.60	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
610	4.01	2.60	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000

ARMATURA SUPERIORE ORIZZONTALE

			COMBINAZIONE RARA					COMBINAZIONE FREQUENTE					COMBINAZIONE QUASI PERMANENTE				
GUSCI	Af	Afc	Mom	Nor	sigC	sigF	WkR	Mom	Nor	sigC	sigF	WkF	Mom	Nor	sigC	sigF	WkP
551	2.56	3.97	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
552	2.56	3.97	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
553	2.56	3.97	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
554	2.56	3.97	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
555	2.56	3.97	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
556	2.56	3.97	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
557	2.56	3.97	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
558	2.56	3.97	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
559	2.56	3.97	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
560	2.56	3.97	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
561	2.56	3.97	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
562	2.56	3.97	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
563	2.56	3.97	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
564	2.56	3.97	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000

```
565  |  2.56  3.97|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
566  |  2.56  3.97|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
567  |  2.56  3.97|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
568  |  2.56  3.97|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
569  |  2.56  3.97|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
570  |  2.56  3.97|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
571  |  2.56  3.97|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
572  |  2.56  3.97|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
573  |  2.56  3.97|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
574  |  2.56  3.97|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
575  |  2.56  3.97|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
576  |  2.56  3.97|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
577  |  2.56  3.97|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
578  |  2.56  3.97|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
579  |  2.56  3.97|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
580  |  2.56  3.97|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
581  |  2.56  3.97|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
582  |  2.56  3.97|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
583  |  2.56  3.97|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
584  |  2.56  3.97|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
585  |  2.56  3.97|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
586  |  2.56  3.97|     9    0.  0.17   14. 0.002|     9    0.  0.18   14. 0.002|     9    0.
0.18   14. 0.002|
587  |  2.56  3.97|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
588  |  2.56  3.97|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
589  |  2.56  3.97|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
590  |  2.56  3.97|     9    0.  0.17   14. 0.002|     9    0.  0.18   14. 0.002|     9    0.
0.18   14. 0.002|
591  |  2.56  3.97|    70    0.  1.38  111. 0.017|    64    0.  1.26  101. 0.015|    62    0.
1.23   99. 0.015|
592  |  2.56  3.97|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
593  |  2.56  3.97|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
594  |  2.56  3.97|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
595  |  2.56  3.97|    70    0.  1.38  111. 0.017|    64    0.  1.26  101. 0.015|    62    0.
1.23   99. 0.015|
596  |  2.56  3.97|    79    0.  1.57  126. 0.019|    70    0.  1.39  112. 0.017|    69    0.
1.36  110. 0.017|
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597	2.56	3.97	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
598	2.56	3.97	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
599	2.56	3.97	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
600	2.56	3.97	79	0.	1.56	125.	0.019	70	0.	1.39	111.	0.017	69	0.	1.36	109.	0.017
601	2.56	3.97	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
602	2.56	3.97	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
603	2.56	3.97	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
604	2.56	3.97	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
605	2.56	3.97	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
606	2.56	3.97	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
607	2.56	3.97	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
608	2.56	3.97	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
609	2.56	3.97	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
610	2.56	3.97	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000

ARMATURA SUPERIORE VERTICALE

			COMBINAZIONE RARA					COMBINAZIONE FREQUENTE					COMBINAZIONE QUASI PERMANENTE				
GUSCI	Af	Afc	Mom	Nor	sigC	sigF	WkR	Mom	Nor	sigC	sigF	WkF	Mom	Nor	sigC	sigF	WkP
551	2.60	4.01	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
552	2.60	4.01	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
553	2.60	4.01	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
554	2.60	4.01	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
555	2.60	4.01	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
556	2.60	4.01	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
557	2.60	4.01	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
558	2.60	4.01	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
559	2.60	4.01	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
560	2.60	4.01	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
561	2.60	4.01	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
562	2.60	4.01	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
563	2.60	4.01	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
564	2.60	4.01	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000

```
565  |  2.60  4.01|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
566  |  2.60  4.01|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
567  |  2.60  4.01|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
568  |  2.60  4.01|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
569  |  2.60  4.01|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
570  |  2.60  4.01|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
571  |  2.60  4.01|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
572  |  2.60  4.01|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
573  |  2.60  4.01|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
574  |  2.60  4.01|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
575  |  2.60  4.01|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
576  |  2.60  4.01|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
577  |  2.60  4.01|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
578  |  2.60  4.01|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
579  |  2.60  4.01|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
580  |  2.60  4.01|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
581  |  2.60  4.01|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
582  |  2.60  4.01|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
583  |  2.60  4.01|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
584  |  2.60  4.01|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
585  |  2.60  4.01|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
586  |  2.60  4.01|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
587  |  2.60  4.01|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
588  |  2.60  4.01|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
589  |  2.60  4.01|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
590  |  2.60  4.01|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
591  |  2.60  4.01|   117    0.  2.30  184. 0.028|   113    0.  2.22  177. 0.027|   112    0.
2.20  175. 0.026|
592  |  2.60  4.01|    27    0.  0.53   43. 0.006|    33    0.  0.64   51. 0.008|    35    0.
0.69   55. 0.008|
593  |  2.60  4.01|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
594  |  2.60  4.01|    27    0.  0.53   43. 0.006|    33    0.  0.64   51. 0.008|    35    0.
0.69   55. 0.008|
595  |  2.60  4.01|   117    0.  2.30  184. 0.027|   113    0.  2.22  177. 0.027|   112    0.
2.20  175. 0.026|
596  |  2.60  4.01|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
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597  |  2.60  4.01|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
598  |  2.60  4.01|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
599  |  2.60  4.01|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
600  |  2.60  4.01|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
601  |  2.60  4.01|   384    0.  1.89  248. 0.047|   317    0.  1.56  204. 0.039|   299    0.
1.47  192. 0.037|
602  |  2.60  4.01|   391    0.  1.92  252. 0.048|   323    0.  1.59  208. 0.040|   304    0.
1.50  196. 0.037|
603  |  2.60  4.01|   391    0.  1.92  252. 0.048|   323    0.  1.59  208. 0.040|   304    0.
1.50  196. 0.037|
604  |  2.60  4.01|   391    0.  1.92  252. 0.048|   323    0.  1.59  208. 0.040|   304    0.
1.50  196. 0.037|
605  |  2.60  4.01|   384    0.  1.89  247. 0.047|   317    0.  1.56  204. 0.039|   298    0.
1.47  192. 0.037|
606  |  2.60  4.01|   605    0.  2.97  390. 0.074|   479    0.  2.35  309. 0.059|   448    0.
2.20  289. 0.055|
607  |  2.60  4.01|   678    0.  3.33  437. 0.083|   542    0.  2.66  349. 0.067|   507    0.
2.49  327. 0.062|
608  |  2.60  4.01|   678    0.  3.33  437. 0.083|   542    0.  2.66  349. 0.067|   507    0.
2.49  327. 0.062|
609  |  2.60  4.01|   678    0.  3.33  437. 0.083|   542    0.  2.66  349. 0.067|   507    0.
2.49  327. 0.062|
610  |  2.60  4.01|   605    0.  2.97  390. 0.074|   479    0.  2.35  309. 0.059|   448    0.
2.20  289. 0.055|
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MACROGUSCIO P2

VERIFICHE A FESSURAZIONE (EFFETTO MEMBRANA + PIASTRA)

unità di misura:
   lunghezze   : [cm]   -   forze   : [daN]
   momenti   : [daNcm/cm]   -   tensioni   : [daN/cm2]
   pesi specifici: [daN/m3] -   angoli   : [gradi]
   armature   : [cm2]

CASI DI CARICO:

Nome	Descrizione
3	Rara (RARA)
4	Frequente (FREQUENTE)
5	Quasi Perm (QUASI PERMANENTE)

DATI:
    copriferro inferiore (asse armatura): 4   cm
    copriferro superiore (asse armatura): 4   cm

    Af = area effettiva disposta nello strato indicato (cm2 al metro)
    wkR = apertura caratteristica per combinazione rara (mm)   - apertura max = 0.4
mm
    wkF =   ''   ''   ''   ''   frequente (mm)   -   ''   '' = 0.4
mm
    wkP =   ''   ''   ''   ''   quasi permanente (mm) -   ''   '' = 0.3
mm

ARMATURA INFERIORE ORIZZONTALE

| COMBINAZIONE RARA | COMBINAZIONE FREQUENTE | COMBINAZIONE QUASI PERMANENTE|

GUSCI	Af	Afc	Mom	Nor	sigC	sigF	WkR	Mom	Nor	sigC	sigF	WkF	Mom	Nor	sigC	sigF	WkP
176	5.34	5.34	428	0.	5.98	334.	0.025	424	0.	5.93	331.	0.025	419	0.	5.86	327.	0.024
177	5.34	5.34	846	0.	11.83	660.	0.049	753	0.	10.54	588.	0.044	723	0.	10.12	564.	0.042
178	5.34	5.34	726	0.	10.16	566.	0.042	680	0.	9.52	531.	0.040	665	0.	9.31	519.	0.039
179	5.34	5.34	522	0.	7.30	407.	0.030	501	0.	7.02	391.	0.029	495	0.	6.93	386.	0.029
180	5.34	5.34	321	0.	4.49	250.	0.019	334	0.	4.67	260.	0.019	337	0.	4.72	263.	0.020
181	5.34	5.34	234	0.	3.28	183.	0.014	246	0.	3.44	192.	0.014	249	0.	3.48	194.	0.015
182	5.34	5.34	364	0.	5.10	284.	0.021	354	0.	4.95	276.	0.021	350	0.	4.90	273.	0.020
183	5.34	5.34	407	0.	5.70	318.	0.024	399	0.	5.59	311.	0.023	396	0.	5.54	309.	0.023
184	5.34	5.34	386	0.	5.40	301.	0.023	378	0.	5.29	295.	0.022	374	0.	5.24	292.	0.022
185	5.34	5.34	388	0.	5.44	303.	0.023	386	0.	5.40	301.	0.023	383	0.	5.36	299.	0.022
186	5.34	5.34	446	0.	6.24	348.	0.026	440	0.	6.16	343.	0.026	437	0.	6.12	341.	0.026
187	5.34	5.34	459	0.	6.43	358.	0.027	444	0.	6.21	346.	0.026	438	0.	6.13	342.	0.026
188	5.34	5.34	458	0.	6.40	357.	0.027	449	0.	6.28	350.	0.026	445	0.	6.22	347.	0.026
189	5.34	5.34	376	0.	5.27	294.	0.022	371	0.	5.19	289.	0.022	368	0.	5.15	287.	0.021
190	5.34	5.34	251	0.	3.52	196.	0.015	251	0.	3.52	196.	0.015	252	0.	3.53	197.	0.015
191	5.34	5.34	247	0.	3.46	193.	0.014	257	0.	3.59	200.	0.015	259	0.	3.62	202.	0.015
192	5.34	5.34	337	0.	4.71	263.	0.020	332	0.	4.65	259.	0.019	329	0.	4.61	257.	0.019
193	5.34	5.34	359	0.	5.02	280.	0.021	357	0.	4.99	278.	0.021	354	0.	4.96	276.	0.021
194	5.34	5.34	423	0.	5.91	330.	0.025	419	0.	5.87	327.	0.024	416	0.	5.83	325.	0.024
195	5.34	5.34	454	0.	6.36	354.	0.027	439	0.	6.15	343.	0.026	434	0.	6.07	338.	0.025
196	5.34	5.34	474	0.	6.63	370.	0.028	463	0.	6.47	361.	0.027	458	0.	6.41	357.	0.027
197	5.34	5.34	451	0.	6.32	352.	0.026	438	0.	6.12	341.	0.026	432	0.	6.05	337.	0.025
198	5.34	5.34	416	0.	5.82	324.	0.024	405	0.	5.66	316.	0.024	402	0.	5.63	314.	0.023
199	5.34	5.34	352	0.	4.92	274.	0.021	344	0.	4.82	268.	0.020	341	0.	4.77	266.	0.020
200	5.34	5.34	224	0.	3.14	175.	0.013	226	0.	3.17	177.	0.013	226	0.	3.17	177.	0.013
201	5.34	5.34	189	0.	2.64	147.	0.011	207	0.	2.90	161.	0.012	211	0.	2.96	165.	0.012
202	5.34	5.34	318	0.	4.45	248.	0.019	322	0.	4.51	251.	0.019	322	0.	4.51	251.	0.019
203	5.34	5.34	420	0.	5.88	328.	0.025	407	0.	5.69	317.	0.024	402	0.	5.62	313.	0.023
204	5.34	5.34	474	0.	6.64	370.	0.028	461	0.	6.45	360.	0.027	456	0.	6.38	356.	0.027
205	5.34	5.34	491	0.	6.87	383.	0.029	470	0.	6.58	367.	0.027	463	0.	6.48	361.	0.027

206 | 5.34 5.34| 486 0. 6.80 379. 0.028| 474 0. 6.64 370. 0.028| 469 0.
6.57 366. 0.027|
207 | 5.34 5.34| 558 0. 7.82 436. 0.033| 533 0. 7.46 416. 0.031| 524 0.
7.34 409. 0.031|
208 | 5.34 5.34| 604 0. 8.45 471. 0.035| 558 0. 7.81 435. 0.033| 543 0.
7.60 424. 0.032|
209 | 5.34 5.34| 528 0. 7.39 412. 0.031| 480 0. 6.72 375. 0.028| 466 0.
6.52 364. 0.027|
210 | 5.34 5.34| 326 0. 4.57 254. 0.019| 334 0. 4.67 261. 0.019| 333 0.
4.66 260. 0.019|
211 | 5.34 5.34| 268 0. 3.75 209. 0.016| 237 0. 3.32 185. 0.014| 229 0.
3.20 179. 0.013|
212 | 5.34 5.34| 513 0. 7.17 400. 0.030| 465 0. 6.51 363. 0.027| 451 0.
6.31 352. 0.026|
213 | 5.34 5.34| 578 0. 8.09 451. 0.034| 533 0. 7.45 415. 0.031| 519 0.
7.26 405. 0.030|
214 | 5.34 5.34| 547 0. 7.66 427. 0.032| 512 0. 7.17 399. 0.030| 501 0.
7.01 391. 0.029|
215 | 5.34 5.34| 484 0. 6.77 377. 0.028| 461 0. 6.46 360. 0.027| 454 0.
6.35 354. 0.026|
216 | 5.34 5.34| 451 0. 6.32 352. 0.026| 429 0. 6.00 334. 0.025| 421 0.
5.89 328. 0.025|
217 | 5.34 5.34| 477 0. 6.67 372. 0.028| 450 0. 6.30 351. 0.026| 441 0.
6.18 344. 0.026|
218 | 5.34 5.34| 464 0. 6.49 362. 0.027| 441 0. 6.17 344. 0.026| 433 0.
6.06 338. 0.025|
219 | 5.34 5.34| 404 0. 5.65 315. 0.024| 393 0. 5.49 306. 0.023| 387 0.
5.42 302. 0.023|
220 | 5.34 5.34| 378 0. 5.30 295. 0.022| 375 0. 5.25 293. 0.022| 372 0.
5.20 290. 0.022|
221 | 5.34 5.34| 451 0. 6.31 351. 0.026| 434 0. 6.08 339. 0.025| 428 0.
5.99 334. 0.025|
222 | 5.34 5.34| 487 0. 6.82 380. 0.028| 463 0. 6.48 361. 0.027| 455 0.
6.37 355. 0.027|
223 | 5.34 5.34| 493 0. 6.90 384. 0.029| 468 0. 6.55 365. 0.027| 459 0.
6.43 358. 0.027|
224 | 5.34 5.34| 457 0. 6.40 357. 0.027| 437 0. 6.12 341. 0.026| 430 0.
6.02 335. 0.025|
225 | 5.34 5.34| 439 0. 6.14 342. 0.026| 418 0. 5.85 326. 0.024| 411 0.
5.75 321. 0.024|
226 | 5.34 5.34| 441 0. 6.18 344. 0.026| 422 0. 5.90 329. 0.025| 414 0.
5.80 323. 0.024|
227 | 5.34 5.34| 421 0. 5.90 329. 0.025| 405 0. 5.67 316. 0.024| 399 0.
5.59 311. 0.023|
228 | 5.34 5.34| 372 0. 5.20 290. 0.022| 366 0. 5.12 285. 0.021| 362 0.
5.06 282. 0.021|
229 | 5.34 5.34| 414 0. 5.80 323. 0.024| 403 0. 5.64 315. 0.024| 398 0.
5.57 311. 0.023|
230 | 5.34 5.34| 471 0. 6.59 367. 0.027| 449 0. 6.29 351. 0.026| 442 0.
6.18 345. 0.026|
231 | 5.34 5.34| 498 0. 6.97 388. 0.029| 472 0. 6.60 368. 0.028| 463 0.
6.48 361. 0.027|
232 | 5.34 5.34| 483 0. 6.76 377. 0.028| 460 0. 6.43 359. 0.027| 451 0.
6.32 352. 0.026|
233 | 5.34 5.34| 458 0. 6.41 357. 0.027| 435 0. 6.08 339. 0.025| 427 0.
5.97 333. 0.025|
234 | 5.34 5.34| 452 0. 6.33 353. 0.026| 429 0. 6.00 335. 0.025| 421 0.
5.89 328. 0.025|
235 | 5.34 5.34| 412 0. 5.76 321. 0.024| 396 0. 5.54 309. 0.023| 390 0.
5.45 304. 0.023|
236 | 5.34 5.34| 361 0. 5.05 281. 0.021| 355 0. 4.97 277. 0.021| 352 0.
4.92 274. 0.021|
237 | 5.34 5.34| 359 0. 5.03 280. 0.021| 355 0. 4.98 277. 0.021| 352 0.
4.93 275. 0.021|

238 | 5.34 5.34| 438 0. 6.13 341. 0.026| 421 0. 5.89 328. 0.025| 414 0.
5.79 323. 0.024|
239 | 5.34 5.34| 494 0. 6.91 385. 0.029| 467 0. 6.54 364. 0.027| 458 0.
6.41 357. 0.027|
240 | 5.34 5.34| 506 0. 7.07 394. 0.030| 477 0. 6.67 372. 0.028| 467 0.
6.54 364. 0.027|
241 | 5.34 5.34| 494 0. 6.91 385. 0.029| 467 0. 6.54 365. 0.027| 458 0.
6.42 358. 0.027|
242 | 5.34 5.34| 537 0. 7.52 419. 0.031| 503 0. 7.03 392. 0.029| 492 0.
6.88 384. 0.029|
243 | 5.34 5.34| 547 0. 7.65 427. 0.032| 505 0. 7.06 394. 0.029| 492 0.
6.89 384. 0.029|
244 | 5.34 5.34| 480 0. 6.72 375. 0.028| 438 0. 6.12 341. 0.026| 425 0.
5.95 332. 0.025|
245 | 5.34 5.34| 284 0. 3.97 221. 0.017| 251 0. 3.51 196. 0.015| 243 0.
3.40 189. 0.014|
246 | 5.34 5.34| 274 0. 3.83 214. 0.016| 238 0. 3.32 185. 0.014| 228 0.
3.19 178. 0.013|
247 | 5.34 5.34| 481 0. 6.73 375. 0.028| 424 0. 5.94 331. 0.025| 409 0.
5.72 319. 0.024|
248 | 5.34 5.34| 584 0. 8.17 455. 0.034| 522 0. 7.30 407. 0.030| 504 0.
7.05 393. 0.029|
249 | 5.34 5.34| 582 0. 8.14 454. 0.034| 526 0. 7.37 411. 0.031| 510 0.
7.14 398. 0.030|
250 | 5.34 5.34| 528 0. 7.39 412. 0.031| 485 0. 6.79 378. 0.028| 472 0.
6.61 368. 0.028|
251 | 5.34 5.34| 501 0. 7.01 391. 0.029| 458 0. 6.41 357. 0.027| 445 0.
6.23 347. 0.026|
252 | 5.34 5.34| 507 0. 7.09 395. 0.030| 464 0. 6.49 362. 0.027| 451 0.
6.31 352. 0.026|
253 | 5.34 5.34| 462 0. 6.46 360. 0.027| 429 0. 6.00 334. 0.025| 418 0.
5.85 326. 0.024|
254 | 5.34 5.34| 347 0. 4.86 271. 0.020| 336 0. 4.70 262. 0.020| 330 0.
4.62 258. 0.019|
255 | 5.34 5.34| 293 0. 4.10 229. 0.017| 295 0. 4.13 230. 0.017| 294 0.
4.11 229. 0.017|
256 | 5.34 5.34| 426 0. 5.96 332. 0.025| 404 0. 5.65 315. 0.024| 396 0.
5.54 309. 0.023|
257 | 5.34 5.34| 498 0. 6.97 388. 0.029| 462 0. 6.46 360. 0.027| 450 0.
6.30 351. 0.026|
258 | 5.34 5.34| 515 0. 7.21 402. 0.030| 475 0. 6.64 370. 0.028| 462 0.
6.47 360. 0.027|
259 | 5.34 5.34| 482 0. 6.75 376. 0.028| 447 0. 6.26 349. 0.026| 436 0.
6.11 340. 0.025|
260 | 5.34 5.34| 475 0. 6.65 371. 0.028| 438 0. 6.13 342. 0.026| 427 0.
5.97 333. 0.025|
261 | 5.34 5.34| 466 0. 6.52 363. 0.027| 431 0. 6.03 336. 0.025| 420 0.
5.87 327. 0.024|
262 | 5.34 5.34| 404 0. 5.66 315. 0.024| 382 0. 5.34 298. 0.022| 374 0.
5.23 291. 0.022|
263 | 5.34 5.34| 289 0. 4.04 225. 0.017| 287 0. 4.02 224. 0.017| 284 0.
3.98 222. 0.017|
264 | 5.34 5.34| 362 0. 5.07 282. 0.021| 350 0. 4.89 273. 0.020| 344 0.
4.81 268. 0.020|
265 | 5.34 5.34| 470 0. 6.58 367. 0.027| 439 0. 6.14 342. 0.026| 428 0.
6.00 334. 0.025|
266 | 5.34 5.34| 517 0. 7.24 404. 0.030| 477 0. 6.67 372. 0.028| 464 0.
6.50 362. 0.027|
267 | 5.34 5.34| 509 0. 7.13 397. 0.030| 470 0. 6.58 367. 0.027| 458 0.
6.41 358. 0.027|
268 | 5.34 5.34| 480 0. 6.71 374. 0.028| 442 0. 6.18 345. 0.026| 430 0.
6.02 335. 0.025|
269 | 5.34 5.34| 477 0. 6.68 372. 0.028| 439 0. 6.15 343. 0.026| 428 0.
5.99 334. 0.025|

```
270  |  5.34  5.34|   425    0.  5.95  332. 0.025|   398    0.  5.57  310. 0.023|   389    0.
5.44  303. 0.023|
271  |  5.34  5.34|   324    0.  4.54  253. 0.019|   317    0.  4.43  247. 0.018|   312    0.
4.37  244. 0.018|
272  |  5.34  5.34|   280    0.  3.92  218. 0.016|   282    0.  3.94  220. 0.016|   280    0.
3.92  218. 0.016|
273  |  5.34  5.34|   420    0.  5.88  328. 0.025|   397    0.  5.56  310. 0.023|   389    0.
5.45  304. 0.023|
274  |  5.34  5.34|   511    0.  7.16  399. 0.030|   471    0.  6.59  367. 0.027|   458    0.
6.42  358. 0.027|
275  |  5.34  5.34|   542    0.  7.59  423. 0.032|   496    0.  6.94  387. 0.029|   482    0.
6.74  376. 0.028|
276  |  5.34  5.34|   531    0.  7.44  414. 0.031|   487    0.  6.82  380. 0.028|   473    0.
6.63  369. 0.028|
277  |  5.34  5.34|   574    0.  8.03  447. 0.033|   520    0.  7.27  405. 0.030|   504    0.
7.05  393. 0.029|
278  |  5.34  5.34|   581    0.  8.12  453. 0.034|   519    0.  7.27  405. 0.030|   502    0.
7.03  392. 0.029|
279  |  5.34  5.34|   507    0.  7.10  396. 0.030|   448    0.  6.27  349. 0.026|   432    0.
6.04  337. 0.025|
280  |  5.34  5.34|   323    0.  4.52  252. 0.019|   279    0.  3.90  217. 0.016|   267    0.
3.74  209. 0.016|
281  |  5.34  5.34|   218    0.  3.04  170. 0.013|   183    0.  2.56  143. 0.011|   174    0.
2.44  136. 0.010|
282  |  5.34  5.34|   416    0.  5.83  325. 0.024|   356    0.  4.98  278. 0.021|   340    0.
4.76  265. 0.020|
283  |  5.34  5.34|   532    0.  7.44  415. 0.031|   460    0.  6.44  359. 0.027|   441    0.
6.17  344. 0.026|
284  |  5.34  5.34|   546    0.  7.65  426. 0.032|   478    0.  6.69  373. 0.028|   460    0.
6.43  359. 0.027|
285  |  5.34  5.34|   503    0.  7.04  392. 0.029|   447    0.  6.26  349. 0.026|   432    0.
6.04  337. 0.025|
286  |  5.34  5.34|   482    0.  6.74  376. 0.028|   426    0.  5.96  332. 0.025|   411    0.
5.75  320. 0.024|
287  |  5.34  5.34|   468    0.  6.55  365. 0.027|   416    0.  5.82  324. 0.024|   401    0.
5.61  313. 0.023|
288  |  5.34  5.34|   392    0.  5.49  306. 0.023|   356    0.  4.99  278. 0.021|   346    0.
4.84  270. 0.020|
289  |  5.34  5.34|   207    0.  2.89  161. 0.012|   207    0.  2.89  161. 0.012|   205    0.
2.86  160. 0.012|
290  |  5.34  5.34|    96    0.  1.34   75. 0.006|   120    0.  1.67   93. 0.007|   123    0.
1.73   96. 0.007|
291  |  5.34  5.34|   335    0.  4.68  261. 0.020|   314    0.  4.40  245. 0.018|   307    0.
4.30  240. 0.018|
292  |  5.34  5.34|   442    0.  6.18  344. 0.026|   399    0.  5.59  312. 0.023|   387    0.
5.41  302. 0.023|
293  |  5.34  5.34|   475    0.  6.65  371. 0.028|   426    0.  5.96  332. 0.025|   411    0.
5.76  321. 0.024|
294  |  5.34  5.34|   450    0.  6.30  351. 0.026|   405    0.  5.67  316. 0.024|   392    0.
5.49  306. 0.023|
295  |  5.34  5.34|   445    0.  6.23  347. 0.026|   398    0.  5.56  310. 0.023|   384    0.
5.37  299. 0.022|
296  |  5.34  5.34|   416    0.  5.82  324. 0.024|   374    0.  5.23  292. 0.022|   362    0.
5.06  282. 0.021|
297  |  5.34  5.34|   317    0.  4.43  247. 0.018|   295    0.  4.13  230. 0.017|   288    0.
4.03  225. 0.017|
298  |  5.34  5.34|    89    0.  1.24   69. 0.005|   108    0.  1.52   85. 0.006|   111    0.
1.56   87. 0.006|
299  |  5.34  5.34|   233    0.  3.25  181. 0.014|   229    0.  3.21  179. 0.013|   226    0.
3.17  177. 0.013|
300  |  5.34  5.34|   404    0.  5.65  315. 0.024|   369    0.  5.16  288. 0.022|   358    0.
5.01  279. 0.021|
301  |  5.34  5.34|   471    0.  6.60  368. 0.028|   423    0.  5.92  330. 0.025|   409    0.
5.72  319. 0.024|
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302  |  5.34  5.34|   475    0.  6.65  371. 0.028|   426    0.  5.97  333. 0.025|   412    0.
5.77  322. 0.024|
303  |  5.34  5.34|   446    0.  6.25  348. 0.026|   399    0.  5.58  311. 0.023|   385    0.
5.39  300. 0.022|
304  |  5.34  5.34|   436    0.  6.10  340. 0.025|   390    0.  5.46  304. 0.023|   377    0.
5.27  294. 0.022|
305  |  5.34  5.34|   366    0.  5.13  286. 0.021|   335    0.  4.69  262. 0.020|   326    0.
4.56  254. 0.019|
306  |  5.34  5.34|   201    0.  2.81  157. 0.012|   203    0.  2.84  158. 0.012|   201    0.
2.82  157. 0.012|
307  |  5.34  5.34|    77    0.  1.08   60. 0.005|   102    0.  1.43   80. 0.006|   106    0.
1.49   83. 0.006|
308  |  5.34  5.34|   334    0.  4.68  261. 0.020|   313    0.  4.38  244. 0.018|   306    0.
4.28  238. 0.018|
309  |  5.34  5.34|   462    0.  6.47  360. 0.027|   415    0.  5.81  324. 0.024|   402    0.
5.62  313. 0.023|
310  |  5.34  5.34|   516    0.  7.23  403. 0.030|   459    0.  6.42  358. 0.027|   443    0.
6.20  345. 0.026|
311  |  5.34  5.34|   515    0.  7.21  402. 0.030|   458    0.  6.41  357. 0.027|   442    0.
6.19  345. 0.026|
312  |  5.34  5.34|   547    0.  7.65  426. 0.032|   480    0.  6.71  374. 0.028|   461    0.
6.46  360. 0.027|
313  |  5.34  5.34|   554    0.  7.76  432. 0.032|   480    0.  6.72  375. 0.028|   461    0.
6.45  359. 0.027|
314  |  5.34  5.34|   491    0.  6.88  383. 0.029|   421    0.  5.89  328. 0.025|   402    0.
5.63  314. 0.023|
315  |  5.34  5.34|   302    0.  4.23  236. 0.018|   253    0.  3.54  197. 0.015|   240    0.
3.36  188. 0.014|
316  |  5.34  5.34|   107    0.  1.50   84. 0.006|    86    0.  1.21   67. 0.005|    81    0.
1.13   63. 0.005|
317  |  5.34  5.34|   272    0.  3.81  212. 0.016|   219    0.  3.07  171. 0.013|   206    0.
2.88  160. 0.012|
318  |  5.34  5.34|   429    0.  6.00  335. 0.025|   356    0.  4.98  278. 0.021|   337    0.
4.72  263. 0.020|
319  |  5.34  5.34|   466    0.  6.52  364. 0.027|   392    0.  5.48  306. 0.023|   373    0.
5.22  291. 0.022|
320  |  5.34  5.34|   441    0.  6.17  344. 0.026|   377    0.  5.27  294. 0.022|   360    0.
5.04  281. 0.021|
321  |  5.34  5.34|   424    0.  5.94  331. 0.025|   362    0.  5.06  282. 0.021|   345    0.
4.83  269. 0.020|
322  |  5.34  5.34|   383    0.  5.36  299. 0.022|   329    0.  4.60  256. 0.019|   314    0.
4.39  245. 0.018|
323  |  5.34  5.34|   266    0.  3.73  208. 0.016|   236    0.  3.31  184. 0.014|   228    0.
3.19  178. 0.013|
324  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|     5    0.
0.07    4. 0.000|
325  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
326  |  5.34  5.34|   181    0.  2.53  141. 0.011|   172    0.  2.41  134. 0.010|   168    0.
2.36  131. 0.010|
327  |  5.34  5.34|   337    0.  4.72  263. 0.020|   296    0.  4.15  231. 0.017|   285    0.
3.99  222. 0.017|
328  |  5.34  5.34|   397    0.  5.56  310. 0.023|   344    0.  4.82  268. 0.020|   330    0.
4.62  257. 0.019|
329  |  5.34  5.34|   388    0.  5.42  302. 0.023|   337    0.  4.72  263. 0.020|   324    0.
4.53  252. 0.019|
330  |  5.34  5.34|   374    0.  5.24  292. 0.022|   322    0.  4.50  251. 0.019|   308    0.
4.30  240. 0.018|
331  |  5.34  5.34|   317    0.  4.43  247. 0.018|   275    0.  3.85  215. 0.016|   264    0.
3.69  206. 0.015|
332  |  5.34  5.34|   165    0.  2.31  129. 0.010|   155    0.  2.16  121. 0.009|   151    0.
2.11  117. 0.009|
333  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
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334  |  5.34  5.34|    13    0.  0.19   10. 0.001|    33    0.  0.46   26. 0.002|    37    0.
0.51   29. 0.002|
335  |  5.34  5.34|   282    0.  3.94  220. 0.016|   251    0.  3.51  196. 0.015|   242    0.
3.39  189. 0.014|
336  |  5.34  5.34|   383    0.  5.35  298. 0.022|   332    0.  4.65  259. 0.019|   318    0.
4.45  248. 0.019|
337  |  5.34  5.34|   406    0.  5.68  317. 0.024|   352    0.  4.93  275. 0.021|   337    0.
4.72  263. 0.020|
338  |  5.34  5.34|   380    0.  5.31  296. 0.022|   327    0.  4.57  255. 0.019|   313    0.
4.37  244. 0.018|
339  |  5.34  5.34|   351    0.  4.91  274. 0.020|   303    0.  4.24  237. 0.018|   290    0.
4.06  226. 0.017|
340  |  5.34  5.34|   249    0.  3.49  194. 0.015|   223    0.  3.12  174. 0.013|   215    0.
3.01  168. 0.013|
341  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    10    0.  0.14    8. 0.001|    15    0.
0.21   12. 0.001|
342  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
343  |  5.34  5.34|   180    0.  2.52  141. 0.011|   171    0.  2.40  134. 0.010|   168    0.
2.35  131. 0.010|
344  |  5.34  5.34|   363    0.  5.08  283. 0.021|   317    0.  4.44  247. 0.019|   304    0.
4.26  238. 0.018|
345  |  5.34  5.34|   448    0.  6.27  350. 0.026|   386    0.  5.40  301. 0.023|   369    0.
5.16  288. 0.022|
346  |  5.34  5.34|   467    0.  6.53  364. 0.027|   401    0.  5.61  313. 0.023|   384    0.
5.37  299. 0.022|
347  |  5.34  5.34|   478    0.  6.69  373. 0.028|   404    0.  5.65  315. 0.024|   385    0.
5.39  300. 0.022|
348  |  5.34  5.34|   473    0.  6.62  369. 0.028|   394    0.  5.51  307. 0.023|   374    0.
5.23  292. 0.022|
349  |  5.34  5.34|   388    0.  5.43  303. 0.023|   318    0.  4.45  248. 0.019|   300    0.
4.21  234. 0.018|
350  |  5.34  5.34|   211    0.  2.95  164. 0.012|   167    0.  2.33  130. 0.010|   156    0.
2.18  122. 0.009|
351  |  5.34  5.34|    39    0.  0.54   30. 0.002|    30    0.  0.41   23. 0.002|    27    0.
0.38   21. 0.002|
352  |  5.34  5.34|   146    0.  2.05  114. 0.009|   106    0.  1.48   83. 0.006|    96    0.
1.35   75. 0.006|
353  |  5.34  5.34|   312    0.  4.36  243. 0.018|   243    0.  3.40  189. 0.014|   226    0.
3.17  176. 0.013|
354  |  5.34  5.34|   377    0.  5.27  294. 0.022|   301    0.  4.21  235. 0.018|   282    0.
3.95  220. 0.016|
355  |  5.34  5.34|   372    0.  5.21  290. 0.022|   304    0.  4.25  237. 0.018|   287    0.
4.01  224. 0.017|
356  |  5.34  5.34|   357    0.  5.00  279. 0.021|   291    0.  4.08  227. 0.017|   275    0.
3.84  214. 0.016|
357  |  5.34  5.34|   286    0.  4.00  223. 0.017|   234    0.  3.28  183. 0.014|   221    0.
3.09  172. 0.013|
358  |  5.34  5.34|   124    0.  1.73   97. 0.007|   106    0.  1.49   83. 0.006|   101    0.
1.42   79. 0.006|
359  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
360  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
361  |  5.34  5.34|    18    0.  0.25   14. 0.001|    26    0.  0.37   20. 0.002|    28    0.
0.39   22. 0.002|
362  |  5.34  5.34|   221    0.  3.09  172. 0.013|   186    0.  2.60  145. 0.011|   177    0.
2.48  138. 0.010|
363  |  5.34  5.34|   312    0.  4.37  244. 0.018|   259    0.  3.63  202. 0.015|   246    0.
3.44  192. 0.014|
364  |  5.34  5.34|   322    0.  4.51  251. 0.019|   269    0.  3.76  210. 0.016|   255    0.
3.57  199. 0.015|
365  |  5.34  5.34|   294    0.  4.11  229. 0.017|   240    0.  3.36  187. 0.014|   227    0.
3.17  177. 0.013|
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366  |  5.34  5.34|   204    0.  2.85  159. 0.012|   168    0.  2.35  131. 0.010|   159    0.
2.22  124. 0.009|
367  |  5.34  5.34|     6    0.  0.08    4. 0.000|    12    0.  0.17   10. 0.001|    13    0.
0.18   10. 0.001|
368  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
369  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
370  |  5.34  5.34|   144    0.  2.02  113. 0.008|   124    0.  1.74   97. 0.007|   119    0.
1.67   93. 0.007|
371  |  5.34  5.34|   284    0.  3.98  222. 0.017|   236    0.  3.30  184. 0.014|   224    0.
3.13  175. 0.013|
372  |  5.34  5.34|   332    0.  4.65  259. 0.019|   276    0.  3.86  215. 0.016|   262    0.
3.66  204. 0.015|
373  |  5.34  5.34|   308    0.  4.31  240. 0.018|   259    0.  3.63  202. 0.015|   247    0.
3.46  193. 0.014|
374  |  5.34  5.34|   256    0.  3.58  200. 0.015|   210    0.  2.95  164. 0.012|   199    0.
2.78  155. 0.012|
375  |  5.34  5.34|   113    0.  1.58   88. 0.007|    97    0.  1.36   76. 0.006|    93    0.
1.30   72. 0.005|
376  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
377  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
378  |  5.34  5.34|    19    0.  0.27   15. 0.001|    28    0.  0.40   22. 0.002|    30    0.
0.42   23. 0.002|
379  |  5.34  5.34|   249    0.  3.48  194. 0.015|   209    0.  2.92  163. 0.012|   199    0.
2.78  155. 0.012|
380  |  5.34  5.34|   369    0.  5.16  288. 0.022|   305    0.  4.27  238. 0.018|   289    0.
4.04  225. 0.017|
381  |  5.34  5.34|   410    0.  5.74  320. 0.024|   339    0.  4.75  264. 0.020|   321    0.
4.49  251. 0.019|
382  |  5.34  5.34|   400    0.  5.59  312. 0.023|   326    0.  4.57  255. 0.019|   309    0.
4.33  241. 0.018|
383  |  5.34  5.34|   369    0.  5.17  288. 0.022|   292    0.  4.08  227. 0.017|   273    0.
3.82  213. 0.016|
384  |  5.34  5.34|   266    0.  3.72  207. 0.016|   205    0.  2.87  160. 0.012|   190    0.
2.67  149. 0.011|
385  |  5.34  5.34|    65    0.  0.91   51. 0.004|    42    0.  0.59   33. 0.002|    37    0.
0.52   29. 0.002|
386  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
387  |  5.34  5.34|    74    0.  1.03   57. 0.004|    68    0.  0.96   53. 0.004|    66    0.
0.93   52. 0.004|
388  |  5.34  5.34|   242    0.  3.38  188. 0.014|   178    0.  2.49  139. 0.010|   167    0.
2.34  131. 0.010|
389  |  5.34  5.34|   327    0.  4.58  255. 0.019|   252    0.  3.53  196. 0.015|   234    0.
3.27  182. 0.014|
390  |  5.34  5.34|   338    0.  4.72  263. 0.020|   269    0.  3.76  210. 0.016|   252    0.
3.52  196. 0.015|
391  |  5.34  5.34|   320    0.  4.48  250. 0.019|   254    0.  3.55  198. 0.015|   237    0.
3.32  185. 0.014|
392  |  5.34  5.34|   232    0.  3.24  181. 0.014|   182    0.  2.55  142. 0.011|   170    0.
2.38  133. 0.010|
393  |  5.34  5.34|    40    0.  0.56   31. 0.002|    31    0.  0.44   24. 0.002|    34    0.
0.48   26. 0.002|
394  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
395  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
396  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
397  |  5.34  5.34|   156    0.  2.18  121. 0.009|   125    0.  1.75   98. 0.007|   118    0.
1.65   92. 0.007|
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398  |  5.34  5.34|   266    0.  3.73  208. 0.016|   214    0.  3.00  167. 0.012|   201    0.
2.82  157. 0.012|
399  |  5.34  5.34|   288    0.  4.03  225. 0.017|   233    0.  3.27  182. 0.014|   220    0.
3.08  171. 0.013|
400  |  5.34  5.34|   249    0.  3.49  194. 0.015|   199    0.  2.78  155. 0.012|   188    0.
2.64  147. 0.011|
401  |  5.34  5.34|   139    0.  1.95  109. 0.008|   117    0.  1.64   91. 0.007|   113    0.
1.58   88. 0.007|
402  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
403  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
404  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
405  |  5.34  5.34|   64     0.  0.89   50. 0.004|   51     0.  0.72   40. 0.003|   48     0.
0.67   37. 0.003|
406  |  5.34  5.34|   230    0.  3.22  180. 0.013|   184    0.  2.58  144. 0.011|   173    0.
2.42  135. 0.010|
407  |  5.34  5.34|   292    0.  4.09  228. 0.017|   236    0.  3.30  184. 0.014|   222    0.
3.11  173. 0.013|
408  |  5.34  5.34|   276    0.  3.87  216. 0.016|   226    0.  3.16  176. 0.013|   214    0.
2.99  167. 0.012|
409  |  5.34  5.34|   203    0.  2.84  159. 0.012|   166    0.  2.32  129. 0.010|   158    0.
2.21  123. 0.009|
410  |  5.34  5.34|   49     0.  0.68   38. 0.003|   54     0.  0.76   42. 0.003|   55     0.
0.77   43. 0.003|
411  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
412  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
413  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
414  |  5.34  5.34|   183    0.  2.56  143. 0.011|   148    0.  2.07  115. 0.009|   139    0.
1.95  109. 0.008|
415  |  5.34  5.34|   324    0.  4.54  253. 0.019|   261    0.  3.65  204. 0.015|   245    0.
3.44  191. 0.014|
416  |  5.34  5.34|   379    0.  5.30  295. 0.022|   306    0.  4.28  238. 0.018|   288    0.
4.03  224. 0.017|
417  |  5.34  5.34|   370    0.  5.18  289. 0.022|   300    0.  4.20  234. 0.018|   283    0.
3.96  221. 0.016|
418  |  5.34  5.34|   313    0.  4.38  244. 0.018|   255    0.  3.58  199. 0.015|   241    0.
3.38  188. 0.014|
419  |  5.34  5.34|   226    0.  3.16  176. 0.013|   197    0.  2.76  154. 0.012|   189    0.
2.65  148. 0.011|
420  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
596  |  5.34  5.34|   786    0.  2.75  249. 0.024|   705    0.  2.47  224. 0.021|   677    0.
2.37  215. 0.020|
597  |  5.34  5.34|  1430    0.  5.01  454. 0.043|  1310    0.  4.59  416. 0.039|  1266    0.
4.44  402. 0.038|
598  |  5.34  5.34|   657    0.  2.30  209. 0.020|   618    0.  2.16  196. 0.019|   604    0.
2.12  192. 0.018|
599  |  5.34  5.34|   200    0.  0.70   63. 0.006|   191    0.  0.67   61. 0.006|   188    0.
0.66   60. 0.006|
600  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
601  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
602  |  5.34  5.34|   103    0.  0.36   33. 0.003|   109    0.  0.38   34. 0.003|   110    0.
0.38   35. 0.003|
603  |  5.34  5.34|   228    0.  0.80   73. 0.007|   224    0.  0.78   71. 0.007|   221    0.
0.77   70. 0.007|
604  |  5.34  5.34|   222    0.  0.78   71. 0.007|   220    0.  0.77   70. 0.007|   219    0.
0.77   70. 0.007|
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605 | 5.34 5.34| 235 0. 0.82 75. 0.007| 230 0. 0.81 73. 0.007| 227 0. 0.80 72. 0.007|
606 | 5.34 5.34| 208 0. 0.73 66. 0.006| 207 0. 0.72 66. 0.006| 206 0. 0.72 65. 0.006|
607 | 5.34 5.34| 211 0. 0.74 67. 0.006| 207 0. 0.73 66. 0.006| 206 0. 0.72 65. 0.006|
608 | 5.34 5.34| 213 0. 0.75 68. 0.006| 204 0. 0.71 65. 0.006| 200 0. 0.70 64. 0.006|
609 | 5.34 5.34| 95 0. 0.33 30. 0.003| 93 0. 0.33 30. 0.003| 92 0. 0.32 29. 0.003|
610 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000|
611 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000|
612 | 5.34 5.34| 139 0. 0.49 44. 0.004| 140 0. 0.49 44. 0.004| 139 0. 0.49 44. 0.004|
613 | 5.34 5.34| 263 0. 0.92 83. 0.008| 254 0. 0.89 81. 0.008| 250 0. 0.88 80. 0.008|
614 | 5.34 5.34| 247 0. 0.86 78. 0.007| 241 0. 0.85 77. 0.007| 239 0. 0.84 76. 0.007|
615 | 5.34 5.34| 257 0. 0.90 82. 0.008| 250 0. 0.88 79. 0.008| 247 0. 0.87 78. 0.007|
616 | 5.34 5.34| 217 0. 0.76 69. 0.007| 215 0. 0.75 68. 0.006| 213 0. 0.75 68. 0.006|
617 | 5.34 5.34| 215 0. 0.75 68. 0.006| 212 0. 0.74 67. 0.006| 210 0. 0.74 67. 0.006|
618 | 5.34 5.34| 222 0. 0.78 71. 0.007| 211 0. 0.74 67. 0.006| 207 0. 0.73 66. 0.006|
619 | 5.34 5.34| 101 0. 0.35 32. 0.003| 99 0. 0.35 31. 0.003| 98 0. 0.34 31. 0.003|
620 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000|
621 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000|
622 | 5.34 5.34| 148 0. 0.52 47. 0.004| 148 0. 0.52 47. 0.004| 148 0. 0.52 47. 0.004|
623 | 5.34 5.34| 285 0. 1.00 91. 0.009| 275 0. 0.96 87. 0.008| 271 0. 0.95 86. 0.008|
624 | 5.34 5.34| 266 0. 0.93 85. 0.008| 260 0. 0.91 82. 0.008| 257 0. 0.90 82. 0.008|
625 | 5.34 5.34| 296 0. 1.04 94. 0.009| 286 0. 1.00 91. 0.009| 283 0. 0.99 90. 0.009|
626 | 5.34 5.34| 284 0. 0.99 90. 0.009| 272 0. 0.95 86. 0.008| 267 0. 0.94 85. 0.008|
627 | 5.34 5.34| 396 0. 1.39 126. 0.012| 375 0. 1.31 119. 0.011| 367 0. 1.29 117. 0.011|
628 | 5.34 5.34| 592 0. 2.07 188. 0.018| 549 0. 1.92 174. 0.017| 534 0. 1.87 169. 0.016|
629 | 5.34 5.34| 682 0. 2.39 217. 0.021| 627 0. 2.20 199. 0.019| 608 0. 2.13 193. 0.018|
630 | 5.34 5.34| 540 0. 1.89 172. 0.016| 487 0. 1.71 155. 0.015| 468 0. 1.64 149. 0.014|
631 | 5.34 5.34| 692 0. 2.43 220. 0.021| 604 0. 2.12 192. 0.018| 574 0. 2.01 182. 0.017|
632 | 5.34 5.34| 1449 0. 5.08 460. 0.044| 1313 0. 4.60 417. 0.040| 1266 0. 4.43 402. 0.038|
633 | 5.34 5.34| 736 0. 2.58 234. 0.022| 691 0. 2.42 219. 0.021| 675 0. 2.37 214. 0.020|
634 | 5.34 5.34| 247 0. 0.87 79. 0.007| 248 0. 0.87 79. 0.007| 249 0. 0.87 79. 0.007|
635 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000|
636 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000|

637 | 5.34 5.34| 110 0. 0.39 35. 0.003| 121 0. 0.42 38. 0.004| 124 0. 0.43 39. 0.004|
638 | 5.34 5.34| 231 0. 0.81 73. 0.007| 229 0. 0.80 73. 0.007| 227 0. 0.80 72. 0.007|
639 | 5.34 5.34| 242 0. 0.85 77. 0.007| 245 0. 0.86 78. 0.007| 245 0. 0.86 78. 0.007|
640 | 5.34 5.34| 256 0. 0.90 81. 0.008| 253 0. 0.89 80. 0.008| 251 0. 0.88 80. 0.008|
641 | 5.34 5.34| 251 0. 0.88 80. 0.008| 251 0. 0.88 80. 0.008| 251 0. 0.88 80. 0.008|
642 | 5.34 5.34| 253 0. 0.89 80. 0.008| 247 0. 0.87 79. 0.007| 245 0. 0.86 78. 0.007|
643 | 5.34 5.34| 226 0. 0.79 72. 0.007| 218 0. 0.76 69. 0.007| 214 0. 0.75 68. 0.006|
644 | 5.34 5.34| 109 0. 0.38 35. 0.003| 111 0. 0.39 35. 0.003| 111 0. 0.39 35. 0.003|
645 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000|
646 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000|
647 | 5.34 5.34| 142 0. 0.50 45. 0.004| 148 0. 0.52 47. 0.004| 149 0. 0.52 47. 0.004|
648 | 5.34 5.34| 271 0. 0.95 86. 0.008| 264 0. 0.92 84. 0.008| 261 0. 0.91 83. 0.008|
649 | 5.34 5.34| 278 0. 0.97 88. 0.008| 275 0. 0.96 87. 0.008| 274 0. 0.96 87. 0.008|
650 | 5.34 5.34| 290 0. 1.02 92. 0.009| 282 0. 0.99 90. 0.009| 279 0. 0.98 89. 0.008|
651 | 5.34 5.34| 264 0. 0.93 84. 0.008| 263 0. 0.92 83. 0.008| 262 0. 0.92 83. 0.008|
652 | 5.34 5.34| 255 0. 0.89 81. 0.008| 251 0. 0.88 80. 0.008| 249 0. 0.87 79. 0.007|
653 | 5.34 5.34| 248 0. 0.87 79. 0.007| 236 0. 0.83 75. 0.007| 231 0. 0.81 73. 0.007|
654 | 5.34 5.34| 116 0. 0.41 37. 0.003| 116 0. 0.41 37. 0.003| 116 0. 0.41 37. 0.003|
655 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000|
656 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000|
657 | 5.34 5.34| 154 0. 0.54 49. 0.005| 159 0. 0.56 50. 0.005| 159 0. 0.56 51. 0.005|
658 | 5.34 5.34| 303 0. 1.06 96. 0.009| 292 0. 1.02 93. 0.009| 288 0. 1.01 91. 0.009|
659 | 5.34 5.34| 306 0. 1.07 97. 0.009| 300 0. 1.05 95. 0.009| 297 0. 1.04 94. 0.009|
660 | 5.34 5.34| 337 0. 1.18 107. 0.010| 325 0. 1.14 103. 0.010| 321 0. 1.12 102. 0.010|
661 | 5.34 5.34| 329 0. 1.15 104. 0.010| 315 0. 1.10 100. 0.009| 310 0. 1.09 98. 0.009|
662 | 5.34 5.34| 447 0. 1.57 142. 0.013| 424 0. 1.49 135. 0.013| 416 0. 1.46 132. 0.013|
663 | 5.34 5.34| 625 0. 2.19 199. 0.019| 576 0. 2.02 183. 0.017| 560 0. 1.96 178. 0.017|
664 | 5.34 5.34| 678 0. 2.37 215. 0.020| 619 0. 2.17 197. 0.019| 600 0. 2.10 190. 0.018|
665 | 5.34 5.34| 465 0. 1.63 148. 0.014| 406 0. 1.42 129. 0.012| 386 0. 1.35 122. 0.012|
666 | 5.34 5.34| 618 0. 2.16 196. 0.019| 538 0. 1.89 171. 0.016| 511 0. 1.79 162. 0.015|
667 | 5.34 5.34| 1307 0. 4.58 415. 0.039| 1186 0. 4.15 376. 0.036| 1143 0. 4.01 363. 0.034|
668 | 5.34 5.34| 708 0. 2.48 225. 0.021| 667 0. 2.34 212. 0.020| 652 0. 2.29 207. 0.020|

669 | 5.34 5.34| 284 0. 1.00 90. 0.009| 284 0. 0.99 90. 0.009| 283 0.
0.99 90. 0.009|
670 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
671 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
672 | 5.34 5.34| 146 0. 0.51 46. 0.004| 157 0. 0.55 50. 0.005| 160 0.
0.56 51. 0.005|
673 | 5.34 5.34| 250 0. 0.87 79. 0.008| 249 0. 0.87 79. 0.008| 248 0.
0.87 79. 0.007|
674 | 5.34 5.34| 262 0. 0.92 83. 0.008| 266 0. 0.93 84. 0.008| 266 0.
0.93 84. 0.008|
675 | 5.34 5.34| 279 0. 0.98 89. 0.008| 276 0. 0.97 88. 0.008| 274 0.
0.96 87. 0.008|
676 | 5.34 5.34| 279 0. 0.98 89. 0.008| 279 0. 0.98 89. 0.008| 279 0.
0.98 88. 0.008|
677 | 5.34 5.34| 282 0. 0.99 90. 0.009| 277 0. 0.97 88. 0.008| 274 0.
0.96 87. 0.008|
678 | 5.34 5.34| 249 0. 0.87 79. 0.008| 247 0. 0.87 78. 0.007| 247 0.
0.87 78. 0.007|
679 | 5.34 5.34| 149 0. 0.52 47. 0.005| 151 0. 0.53 48. 0.005| 152 0.
0.53 48. 0.005|
680 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
681 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
682 | 5.34 5.34| 173 0. 0.60 55. 0.005| 179 0. 0.63 57. 0.005| 179 0.
0.63 57. 0.005|
683 | 5.34 5.34| 287 0. 1.01 91. 0.009| 281 0. 0.99 89. 0.008| 278 0.
0.98 88. 0.008|
684 | 5.34 5.34| 299 0. 1.05 95. 0.009| 297 0. 1.04 94. 0.009| 295 0.
1.03 94. 0.009|
685 | 5.34 5.34| 313 0. 1.10 99. 0.009| 305 0. 1.07 97. 0.009| 302 0.
1.06 96. 0.009|
686 | 5.34 5.34| 292 0. 1.02 93. 0.009| 290 0. 1.02 92. 0.009| 289 0.
1.01 92. 0.009|
687 | 5.34 5.34| 282 0. 0.99 90. 0.008| 278 0. 0.97 88. 0.008| 275 0.
0.96 87. 0.008|
688 | 5.34 5.34| 273 0. 0.96 87. 0.008| 262 0. 0.92 83. 0.008| 258 0.
0.90 82. 0.008|
689 | 5.34 5.34| 157 0. 0.55 50. 0.005| 156 0. 0.55 50. 0.005| 156 0.
0.55 49. 0.005|
690 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
691 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
692 | 5.34 5.34| 186 0. 0.65 59. 0.006| 190 0. 0.67 60. 0.006| 191 0.
0.67 61. 0.006|
693 | 5.34 5.34| 319 0. 1.12 101. 0.010| 309 0. 1.08 98. 0.009| 305 0.
1.07 97. 0.009|
694 | 5.34 5.34| 326 0. 1.14 103. 0.010| 320 0. 1.12 102. 0.010| 318 0.
1.11 101. 0.010|
695 | 5.34 5.34| 353 0. 1.24 112. 0.011| 342 0. 1.20 109. 0.010| 338 0.
1.18 107. 0.010|
696 | 5.34 5.34| 346 0. 1.21 110. 0.010| 333 0. 1.17 106. 0.010| 328 0.
1.15 104. 0.010|
697 | 5.34 5.34| 451 0. 1.58 143. 0.014| 430 0. 1.51 136. 0.013| 422 0.
1.48 134. 0.013|
698 | 5.34 5.34| 604 0. 2.12 192. 0.018| 559 0. 1.96 177. 0.017| 544 0.
1.91 173. 0.016|
699 | 5.34 5.34| 637 0. 2.23 202. 0.019| 584 0. 2.05 185. 0.018| 566 0.
1.98 180. 0.017|
700 | 5.34 5.34| 424 0. 1.48 135. 0.013| 370 0. 1.30 117. 0.011| 352 0.
1.23 112. 0.011|

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701  |  5.34  5.34|   559    0.  1.96  177. 0.017|   487    0.  1.71  155. 0.015|   463    0.
1.62  147. 0.014|
702  |  5.34  5.34|  1196    0.  4.19  380. 0.036|  1085    0.  3.80  345. 0.033|  1047    0.
3.67  332. 0.032|
703  |  5.34  5.34|   700    0.  2.45  222. 0.021|   658    0.  2.30  209. 0.020|   643    0.
2.25  204. 0.019|
704  |  5.34  5.34|   332    0.  1.16  105. 0.010|   326    0.  1.14  104. 0.010|   324    0.
1.14  103. 0.010|
705  |  5.34  5.34|    20    0.  0.07    6. 0.001|    45    0.  0.16   14. 0.001|    53    0.
0.18   17. 0.002|
706  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|     6    0.
0.02    2. 0.000|
707  |  5.34  5.34|   184    0.  0.64   58. 0.006|   193    0.  0.68   61. 0.006|   195    0.
0.68   62. 0.006|
708  |  5.34  5.34|   269    0.  0.94   86. 0.008|   269    0.  0.94   86. 0.008|   268    0.
0.94   85. 0.008|
709  |  5.34  5.34|   283    0.  0.99   90. 0.009|   286    0.  1.00   91. 0.009|   285    0.
1.00   91. 0.009|
710  |  5.34  5.34|   303    0.  1.06   96. 0.009|   299    0.  1.05   95. 0.009|   297    0.
1.04   94. 0.009|
711  |  5.34  5.34|   313    0.  1.10   99. 0.009|   311    0.  1.09   99. 0.009|   309    0.
1.08   98. 0.009|
712  |  5.34  5.34|   320    0.  1.12  102. 0.010|   312    0.  1.09   99. 0.009|   308    0.
1.08   98. 0.009|
713  |  5.34  5.34|   289    0.  1.01   92. 0.009|   287    0.  1.01   91. 0.009|   286    0.
1.00   91. 0.009|
714  |  5.34  5.34|   197    0.  0.69   63. 0.006|   199    0.  0.70   63. 0.006|   200    0.
0.70   63. 0.006|
715  |  5.34  5.34|     7    0.  0.03    2. 0.000|    16    0.  0.06    5. 0.000|    19    0.
0.07    6. 0.001|
716  |  5.34  5.34|    0.    0.  0.00    0. 0.000|     6    0.  0.02    2. 0.000|    10    0.
0.04    3. 0.000|
717  |  5.34  5.34|   202    0.  0.71   64. 0.006|   207    0.  0.73   66. 0.006|   208    0.
0.73   66. 0.006|
718  |  5.34  5.34|   305    0.  1.07   97. 0.009|   299    0.  1.05   95. 0.009|   296    0.
1.04   94. 0.009|
719  |  5.34  5.34|   325    0.  1.14  103. 0.010|   321    0.  1.12  102. 0.010|   318    0.
1.12  101. 0.010|
720  |  5.34  5.34|   344    0.  1.20  109. 0.010|   334    0.  1.17  106. 0.010|   330    0.
1.15  105. 0.010|
721  |  5.34  5.34|   330    0.  1.16  105. 0.010|   324    0.  1.14  103. 0.010|   322    0.
1.13  102. 0.010|
722  |  5.34  5.34|   318    0.  1.12  101. 0.010|   311    0.  1.09   99. 0.009|   308    0.
1.08   98. 0.009|
723  |  5.34  5.34|   305    0.  1.07   97. 0.009|   293    0.  1.03   93. 0.009|   288    0.
1.01   91. 0.009|
724  |  5.34  5.34|   205    0.  0.72   65. 0.006|   201    0.  0.71   64. 0.006|   200    0.
0.70   63. 0.006|
725  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|     1    0.
0.00    0. 0.000|
726  |  5.34  5.34|    0.    0.  0.00    0. 0.000|     9    0.  0.03    3. 0.000|    14    0.
0.05    4. 0.000|
727  |  5.34  5.34|   219    0.  0.77   70. 0.007|   221    0.  0.78   70. 0.007|   221    0.
0.78   70. 0.007|
728  |  5.34  5.34|   344    0.  1.20  109. 0.010|   332    0.  1.16  106. 0.010|   328    0.
1.15  104. 0.010|
729  |  5.34  5.34|   358    0.  1.25  114. 0.011|   349    0.  1.22  111. 0.010|   345    0.
1.21  110. 0.010|
730  |  5.34  5.34|   382    0.  1.34  121. 0.012|   368    0.  1.29  117. 0.011|   363    0.
1.27  115. 0.011|
731  |  5.34  5.34|   374    0.  1.31  119. 0.011|   360    0.  1.26  114. 0.011|   354    0.
1.24  112. 0.011|
732  |  5.34  5.34|   471    0.  1.65  149. 0.014|   448    0.  1.57  142. 0.013|   440    0.
1.54  140. 0.013|
```

733 | 5.34 5.34| 602 0. 2.11 191. 0.018| 558 0. 1.95 177. 0.017| 543 0.
1.90 172. 0.016|
734 | 5.34 5.34| 616 0. 2.16 196. 0.019| 565 0. 1.98 179. 0.017| 548 0.
1.92 174. 0.016|
735 | 5.34 5.34| 396 0. 1.39 126. 0.012| 346 0. 1.21 110. 0.010| 329 0.
1.15 105. 0.010|
736 | 5.34 5.34| 476 0. 1.67 151. 0.014| 408 0. 1.43 130. 0.012| 386 0.
1.35 123. 0.012|
737 | 5.34 5.34| 1094 0. 3.83 347. 0.033| 988 0. 3.46 314. 0.030| 952 0.
3.33 302. 0.029|
738 | 5.34 5.34| 727 0. 2.55 231. 0.022| 679 0. 2.38 216. 0.020| 663 0.
2.32 210. 0.020|
739 | 5.34 5.34| 412 0. 1.45 131. 0.012| 398 0. 1.39 126. 0.012| 393 0.
1.38 125. 0.012|
740 | 5.34 5.34| 130 0. 0.45 41. 0.004| 146 0. 0.51 46. 0.004| 151 0.
0.53 48. 0.005|
741 | 5.34 5.34| 61 0. 0.21 19. 0.002| 75 0. 0.26 24. 0.002| 79 0.
0.28 25. 0.002|
742 | 5.34 5.34| 232 0. 0.81 74. 0.007| 230 0. 0.81 73. 0.007| 231 0.
0.81 73. 0.007|
743 | 5.34 5.34| 289 0. 1.01 92. 0.009| 283 0. 0.99 90. 0.009| 282 0.
0.99 90. 0.008|
744 | 5.34 5.34| 297 0. 1.04 94. 0.009| 303 0. 1.06 96. 0.009| 303 0.
1.06 96. 0.009|
745 | 5.34 5.34| 325 0. 1.14 103. 0.010| 322 0. 1.13 102. 0.010| 320 0.
1.12 101. 0.010|
746 | 5.34 5.34| 360 0. 1.26 114. 0.011| 354 0. 1.24 112. 0.011| 351 0.
1.23 112. 0.011|
747 | 5.34 5.34| 376 0. 1.32 119. 0.011| 363 0. 1.27 115. 0.011| 358 0.
1.25 114. 0.011|
748 | 5.34 5.34| 358 0. 1.25 114. 0.011| 350 0. 1.23 111. 0.011| 347 0.
1.22 110. 0.010|
749 | 5.34 5.34| 267 0. 0.94 85. 0.008| 264 0. 0.93 84. 0.008| 262 0.
0.92 83. 0.008|
750 | 5.34 5.34| 93 0. 0.33 30. 0.003| 96 0. 0.34 30. 0.003| 97 0.
0.34 31. 0.003|
751 | 5.34 5.34| 51 0. 0.18 16. 0.002| 63 0. 0.22 20. 0.002| 67 0.
0.23 21. 0.002|
752 | 5.34 5.34| 222 0. 0.78 70. 0.007| 228 0. 0.80 73. 0.007| 229 0.
0.80 73. 0.007|
753 | 5.34 5.34| 312 0. 1.09 99. 0.009| 308 0. 1.08 98. 0.009| 306 0.
1.07 97. 0.009|
754 | 5.34 5.34| 355 0. 1.24 113. 0.011| 350 0. 1.23 111. 0.011| 348 0.
1.22 110. 0.010|
755 | 5.34 5.34| 387 0. 1.35 123. 0.012| 373 0. 1.31 118. 0.011| 368 0.
1.29 117. 0.011|
756 | 5.34 5.34| 388 0. 1.36 123. 0.012| 377 0. 1.32 120. 0.011| 373 0.
1.31 119. 0.011|
757 | 5.34 5.34| 375 0. 1.31 119. 0.011| 362 0. 1.27 115. 0.011| 358 0.
1.25 114. 0.011|
758 | 5.34 5.34| 349 0. 1.22 111. 0.011| 333 0. 1.17 106. 0.010| 327 0.
1.14 104. 0.010|
759 | 5.34 5.34| 262 0. 0.92 83. 0.008| 254 0. 0.89 81. 0.008| 251 0.
0.88 80. 0.008|
760 | 5.34 5.34| 68 0. 0.24 22. 0.002| 73 0. 0.26 23. 0.002| 75 0.
0.26 24. 0.002|
761 | 5.34 5.34| 33 0. 0.12 11. 0.001| 51 0. 0.18 16. 0.002| 56 0.
0.20 18. 0.002|
762 | 5.34 5.34| 243 0. 0.85 77. 0.007| 246 0. 0.86 78. 0.007| 246 0.
0.86 78. 0.007|
763 | 5.34 5.34| 370 0. 1.30 117. 0.011| 357 0. 1.25 113. 0.011| 352 0.
1.23 112. 0.011|
764 | 5.34 5.34| 406 0. 1.42 129. 0.012| 393 0. 1.38 125. 0.012| 388 0.
1.36 123. 0.012|

765 | 5.34 5.34| 431 0. 1.51 137. 0.013| 412 0. 1.44 131. 0.012| 405 0. 1.42 129. 0.012|
766 | 5.34 5.34| 424 0. 1.49 135. 0.013| 408 0. 1.43 130. 0.012| 403 0. 1.41 128. 0.012|
767 | 5.34 5.34| 517 0. 1.81 164. 0.016| 489 0. 1.71 155. 0.015| 479 0. 1.68 152. 0.014|
768 | 5.34 5.34| 617 0. 2.16 196. 0.019| 568 0. 1.99 180. 0.017| 553 0. 1.94 175. 0.017|
769 | 5.34 5.34| 593 0. 2.08 188. 0.018| 540 0. 1.89 172. 0.016| 523 0. 1.83 166. 0.016|
770 | 5.34 5.34| 354 0. 1.24 112. 0.011| 304 0. 1.06 97. 0.009| 288 0. 1.01 92. 0.009|

ARMATURA INFERIORE VERTICALE

| COMBINAZIONE RARA | COMBINAZIONE FREQUENTE | COMBINAZIONE QUASI PERMANENTE|
GUSCI| Af Afc | Mom Nor sigC sigF WkR | Mom Nor sigC sigF WkF | Mom Nor sigC sigF WkP |
176 | 5.24 5.25| 2539 0. 35.86 2018. 0.154| 2522 0. 35.62 2005. 0.153| 2508 0. 35.42 1993. 0.152|
177 | 5.24 5.25| 2479 0. 35.02 1970. 0.150| 2472 0. 34.91 1964. 0.150| 2460 0. 34.74 1955. 0.149|
178 | 5.24 5.25| 2463 0. 34.79 1958. 0.149| 2453 0. 34.64 1949. 0.149| 2440 0. 34.46 1939. 0.148|
179 | 5.24 5.25| 2393 0. 33.80 1902. 0.145| 2399 0. 33.88 1907. 0.145| 2391 0. 33.77 1900. 0.145|
180 | 5.24 5.25| 2320 0. 32.77 1844. 0.141| 2339 0. 33.03 1859. 0.142| 2334 0. 32.96 1855. 0.141|
181 | 5.24 5.25| 2292 0. 32.37 1822. 0.139| 2311 0. 32.64 1837. 0.140| 2307 0. 32.58 1833. 0.140|
182 | 5.24 5.25| 2339 0. 33.04 1859. 0.142| 2346 0. 33.13 1864. 0.142| 2338 0. 33.02 1858. 0.142|
183 | 5.24 5.25| 2383 0. 33.66 1894. 0.144| 2381 0. 33.62 1892. 0.144| 2370 0. 33.47 1884. 0.144|
184 | 5.24 5.25| 2409 0. 34.02 1914. 0.146| 2400 0. 33.90 1907. 0.145| 2388 0. 33.73 1898. 0.145|
185 | 5.24 5.25| 2415 0. 34.11 1919. 0.146| 2406 0. 33.98 1912. 0.146| 2394 0. 33.81 1902. 0.145|
186 | 5.24 5.25| 2409 0. 34.02 1914. 0.146| 2400 0. 33.90 1907. 0.145| 2388 0. 33.73 1898. 0.145|
187 | 5.24 5.25| 2381 0. 33.63 1892. 0.144| 2377 0. 33.57 1889. 0.144| 2366 0. 33.42 1881. 0.143|
188 | 5.24 5.25| 2339 0. 33.03 1859. 0.142| 2342 0. 33.07 1861. 0.142| 2333 0. 32.94 1854. 0.141|
189 | 5.24 5.25| 2308 0. 32.59 1834. 0.140| 2316 0. 32.70 1840. 0.140| 2308 0. 32.59 1834. 0.140|
190 | 5.24 5.25| 2303 0. 32.52 1830. 0.139| 2309 0. 32.61 1835. 0.140| 2301 0. 32.50 1829. 0.139|
191 | 5.24 5.25| 2335 0. 32.98 1856. 0.141| 2335 0. 32.98 1856. 0.141| 2326 0. 32.85 1848. 0.141|
192 | 5.24 5.25| 2371 0. 33.49 1885. 0.144| 2365 0. 33.39 1879. 0.143| 2353 0. 33.23 1870. 0.143|
193 | 5.24 5.25| 2379 0. 33.60 1891. 0.144| 2370 0. 33.47 1884. 0.144| 2358 0. 33.31 1874. 0.143|
194 | 5.24 5.25| 2386 0. 33.69 1896. 0.144| 2377 0. 33.57 1889. 0.144| 2365 0. 33.40 1880. 0.143|
195 | 5.24 5.25| 2371 0. 33.49 1885. 0.144| 2365 0. 33.40 1880. 0.143| 2354 0. 33.24 1871. 0.143|
196 | 5.24 5.25| 2333 0. 32.95 1854. 0.141| 2334 0. 32.96 1855. 0.141| 2324 0. 32.82 1847. 0.141|
197 | 5.24 5.25| 2299 0. 32.47 1827. 0.139| 2304 0. 32.54 1831. 0.140| 2296 0. 32.43 1825. 0.139|

198 | 5.24 5.25| 2278 0. 32.18 1811. 0.138| 2284 0. 32.26 1815. 0.138| 2276 0. 32.15 1809. 0.138|
199 | 5.24 5.25| 2292 0. 32.37 1821. 0.139| 2294 0. 32.40 1823. 0.139| 2285 0. 32.27 1816. 0.138|
200 | 5.24 5.25| 2316 0. 32.70 1840. 0.140| 2313 0. 32.66 1838. 0.140| 2303 0. 32.52 1830. 0.139|
201 | 5.24 5.25| 2328 0. 32.88 1850. 0.141| 2323 0. 32.81 1846. 0.141| 2312 0. 32.66 1838. 0.140|
202 | 5.24 5.25| 2336 0. 32.98 1856. 0.141| 2330 0. 32.90 1851. 0.141| 2319 0. 32.75 1843. 0.140|
203 | 5.24 5.25| 2336 0. 32.99 1856. 0.141| 2330 0. 32.91 1852. 0.141| 2320 0. 32.76 1843. 0.140|
204 | 5.24 5.25| 2306 0. 32.56 1832. 0.140| 2307 0. 32.58 1833. 0.140| 2297 0. 32.44 1826. 0.139|
205 | 5.24 5.25| 2270 0. 32.06 1804. 0.137| 2279 0. 32.18 1811. 0.138| 2271 0. 32.08 1805. 0.138|
206 | 5.24 5.25| 2248 0. 31.74 1786. 0.136| 2262 0. 31.95 1798. 0.137| 2256 0. 31.86 1793. 0.137|
207 | 5.24 5.25| 2284 0. 32.26 1815. 0.138| 2293 0. 32.38 1822. 0.139| 2285 0. 32.27 1816. 0.138|
208 | 5.24 5.25| 2337 0. 33.01 1858. 0.142| 2333 0. 32.95 1854. 0.141| 2322 0. 32.80 1846. 0.141|
209 | 5.24 5.25| 2357 0. 33.29 1873. 0.143| 2358 0. 33.30 1874. 0.143| 2349 0. 33.17 1867. 0.142|
210 | 5.24 5.25| 2400 0. 33.89 1907. 0.145| 2395 0. 33.82 1903. 0.145| 2384 0. 33.67 1895. 0.144|
211 | 5.24 5.25| 2910 0. 41.10 2313. 0.176| 2785 0. 39.33 2213. 0.169| 2739 0. 38.68 2176. 0.166|
212 | 5.24 5.25| 2906 0. 41.04 2309. 0.176| 2783 0. 39.31 2212. 0.169| 2738 0. 38.67 2176. 0.166|
213 | 5.24 5.25| 2883 0. 40.72 2291. 0.175| 2770 0. 39.11 2201. 0.168| 2726 0. 38.49 2166. 0.165|
214 | 5.24 5.25| 2844 0. 40.17 2260. 0.172| 2742 0. 38.73 2179. 0.166| 2701 0. 38.14 2146. 0.164|
215 | 5.24 5.25| 2789 0. 39.39 2217. 0.169| 2699 0. 38.12 2145. 0.163| 2661 0. 37.58 2115. 0.161|
216 | 5.24 5.25| 2767 0. 39.08 2199. 0.168| 2675 0. 37.77 2126. 0.162| 2636 0. 37.22 2095. 0.160|
217 | 5.24 5.25| 2813 0. 39.72 2235. 0.170| 2711 0. 38.29 2155. 0.164| 2670 0. 37.71 2122. 0.162|
218 | 5.24 5.25| 2840 0. 40.10 2257. 0.172| 2733 0. 38.60 2172. 0.166| 2690 0. 38.00 2138. 0.163|
219 | 5.24 5.25| 2838 0. 40.08 2255. 0.172| 2731 0. 38.57 2170. 0.165| 2688 0. 37.97 2137. 0.163|
220 | 5.24 5.25| 2827 0. 39.93 2247. 0.171| 2725 0. 38.49 2166. 0.165| 2684 0. 37.90 2133. 0.163|
221 | 5.24 5.25| 2846 0. 40.19 2261. 0.172| 2740 0. 38.69 2177. 0.166| 2697 0. 38.09 2144. 0.163|
222 | 5.24 5.25| 2835 0. 40.04 2253. 0.172| 2731 0. 38.57 2170. 0.165| 2689 0. 37.98 2137. 0.163|
223 | 5.24 5.25| 2803 0. 39.58 2227. 0.170| 2704 0. 38.19 2149. 0.164| 2664 0. 37.62 2117. 0.161|
224 | 5.24 5.25| 2768 0. 39.09 2200. 0.168| 2676 0. 37.79 2127. 0.162| 2637 0. 37.24 2095. 0.160|
225 | 5.24 5.25| 2779 0. 39.25 2208. 0.168| 2682 0. 37.88 2131. 0.162| 2642 0. 37.31 2099. 0.160|
226 | 5.24 5.25| 2811 0. 39.70 2234. 0.170| 2708 0. 38.24 2152. 0.164| 2666 0. 37.65 2119. 0.161|
227 | 5.24 5.25| 2827 0. 39.92 2246. 0.171| 2720 0. 38.42 2162. 0.165| 2678 0. 37.82 2128. 0.162|
228 | 5.24 5.25| 2811 0. 39.70 2234. 0.170| 2707 0. 38.24 2152. 0.164| 2665 0. 37.64 2118. 0.161|
229 | 5.24 5.25| 2827 0. 39.92 2246. 0.171| 2722 0. 38.43 2163. 0.165| 2679 0. 37.84 2129. 0.162|

230 | 5.24 5.25| 2830 0. 39.97 2249. 0.171| 2725 0. 38.48 2165. 0.165| 2682 0. 37.88 2132. 0.162|
231 | 5.24 5.25| 2806 0. 39.63 2230. 0.170| 2706 0. 38.21 2150. 0.164| 2664 0. 37.63 2117. 0.161|
232 | 5.24 5.25| 2772 0. 39.15 2203. 0.168| 2678 0. 37.82 2128. 0.162| 2638 0. 37.26 2097. 0.160|
233 | 5.24 5.25| 2746 0. 38.77 2182. 0.166| 2653 0. 37.46 2108. 0.161| 2614 0. 36.92 2078. 0.158|
234 | 5.24 5.25| 2774 0. 39.18 2204. 0.168| 2674 0. 37.77 2125. 0.162| 2633 0. 37.19 2093. 0.159|
235 | 5.24 5.25| 2797 0. 39.50 2223. 0.169| 2693 0. 38.03 2140. 0.163| 2651 0. 37.44 2107. 0.161|
236 | 5.24 5.25| 2797 0. 39.50 2223. 0.169| 2694 0. 38.04 2141. 0.163| 2652 0. 37.45 2108. 0.161|
237 | 5.24 5.25| 2797 0. 39.50 2223. 0.169| 2694 0. 38.04 2141. 0.163| 2652 0. 37.46 2108. 0.161|
238 | 5.24 5.25| 2812 0. 39.71 2234. 0.170| 2706 0. 38.21 2150. 0.164| 2663 0. 37.61 2117. 0.161|
239 | 5.24 5.25| 2799 0. 39.52 2224. 0.169| 2695 0. 38.06 2142. 0.163| 2653 0. 37.47 2109. 0.161|
240 | 5.24 5.25| 2764 0. 39.04 2197. 0.167| 2667 0. 37.67 2120. 0.162| 2627 0. 37.10 2088. 0.159|
241 | 5.24 5.25| 2726 0. 38.49 2166. 0.165| 2638 0. 37.26 2097. 0.160| 2600 0. 36.73 2067. 0.157|
242 | 5.24 5.25| 2769 0. 39.10 2200. 0.168| 2672 0. 37.73 2123. 0.162| 2632 0. 37.17 2092. 0.159|
243 | 5.24 5.25| 2814 0. 39.74 2237. 0.170| 2705 0. 38.21 2150. 0.164| 2663 0. 37.61 2116. 0.161|
244 | 5.24 5.25| 2854 0. 40.31 2268. 0.173| 2735 0. 38.62 2173. 0.166| 2690 0. 37.99 2138. 0.163|
245 | 5.24 5.25| 2872 0. 40.56 2282. 0.174| 2747 0. 38.80 2183. 0.166| 2701 0. 38.15 2147. 0.164|
246 | 5.24 5.25| 2728 0. 38.53 2168. 0.165| 2565 0. 36.23 2038. 0.155| 2509 0. 35.43 1994. 0.152|
247 | 5.24 5.25| 2709 0. 38.26 2153. 0.164| 2550 0. 36.01 2026. 0.154| 2494 0. 35.22 1982. 0.151|
248 | 5.24 5.25| 2668 0. 37.68 2121. 0.162| 2517 0. 35.55 2000. 0.152| 2463 0. 34.79 1958. 0.149|
249 | 5.24 5.25| 2627 0. 37.10 2088. 0.159| 2487 0. 35.12 1976. 0.151| 2435 0. 34.39 1935. 0.147|
250 | 5.24 5.25| 2577 0. 36.40 2048. 0.156| 2449 0. 34.58 1946. 0.148| 2400 0. 33.90 1907. 0.145|
251 | 5.24 5.25| 2569 0. 36.27 2041. 0.156| 2436 0. 34.41 1936. 0.148| 2387 0. 33.71 1897. 0.145|
252 | 5.24 5.25| 2617 0. 36.96 2080. 0.158| 2476 0. 34.97 1968. 0.150| 2424 0. 34.23 1926. 0.147|
253 | 5.24 5.25| 2641 0. 37.29 2099. 0.160| 2495 0. 35.23 1983. 0.151| 2442 0. 34.49 1941. 0.148|
254 | 5.24 5.25| 2626 0. 37.08 2087. 0.159| 2483 0. 35.06 1973. 0.150| 2430 0. 34.32 1932. 0.147|
255 | 5.24 5.25| 2604 0. 36.78 2069. 0.158| 2469 0. 34.86 1962. 0.149| 2418 0. 34.15 1922. 0.146|
256 | 5.24 5.25| 2638 0. 37.25 2096. 0.160| 2496 0. 35.25 1984. 0.151| 2444 0. 34.51 1942. 0.148|
257 | 5.24 5.25| 2635 0. 37.21 2094. 0.160| 2494 0. 35.22 1982. 0.151| 2442 0. 34.49 1941. 0.148|
258 | 5.24 5.25| 2604 0. 36.78 2070. 0.158| 2470 0. 34.88 1963. 0.150| 2419 0. 34.17 1923. 0.147|
259 | 5.24 5.25| 2565 0. 36.22 2038. 0.155| 2437 0. 34.42 1937. 0.148| 2389 0. 33.74 1899. 0.145|
260 | 5.24 5.25| 2584 0. 36.49 2054. 0.156| 2450 0. 34.60 1947. 0.148| 2400 0. 33.89 1907. 0.145|
261 | 5.24 5.25| 2620 0. 37.00 2082. 0.159| 2478 0. 35.00 1970. 0.150| 2427 0. 34.27 1928. 0.147|

262 | 5.24 5.25| 2628 0. 37.11 2089. 0.159| 2485 0. 35.09 1975. 0.150| 2432 0. 34.35 1933. 0.147|
263 | 5.24 5.25| 2598 0. 36.69 2064. 0.157| 2460 0. 34.74 1955. 0.149| 2409 0. 34.02 1914. 0.146|
264 | 5.24 5.25| 2623 0. 37.04 2084. 0.159| 2482 0. 35.05 1973. 0.150| 2430 0. 34.32 1932. 0.147|
265 | 5.24 5.25| 2636 0. 37.23 2095. 0.160| 2494 0. 35.22 1982. 0.151| 2442 0. 34.48 1940. 0.148|
266 | 5.24 5.25| 2616 0. 36.94 2079. 0.158| 2478 0. 34.99 1969. 0.150| 2427 0. 34.27 1929. 0.147|
267 | 5.24 5.25| 2579 0. 36.43 2050. 0.156| 2448 0. 34.58 1946. 0.148| 2399 0. 33.88 1907. 0.145|
268 | 5.24 5.25| 2552 0. 36.04 2028. 0.155| 2422 0. 34.21 1925. 0.147| 2374 0. 33.52 1886. 0.144|
269 | 5.24 5.25| 2590 0. 36.58 2058. 0.157| 2453 0. 34.65 1950. 0.149| 2403 0. 33.93 1909. 0.145|
270 | 5.24 5.25| 2614 0. 36.92 2078. 0.158| 2473 0. 34.92 1965. 0.150| 2421 0. 34.19 1924. 0.147|
271 | 5.24 5.25| 2606 0. 36.80 2071. 0.158| 2466 0. 34.83 1960. 0.149| 2415 0. 34.11 1919. 0.146|
272 | 5.24 5.25| 2601 0. 36.73 2067. 0.157| 2463 0. 34.78 1957. 0.149| 2412 0. 34.06 1917. 0.146|
273 | 5.24 5.25| 2630 0. 37.14 2090. 0.159| 2486 0. 35.11 1976. 0.151| 2434 0. 34.37 1934. 0.147|
274 | 5.24 5.25| 2624 0. 37.06 2085. 0.159| 2481 0. 35.04 1972. 0.150| 2429 0. 34.30 1930. 0.147|
275 | 5.24 5.25| 2586 0. 36.53 2055. 0.157| 2450 0. 34.61 1947. 0.148| 2400 0. 33.89 1907. 0.145|
276 | 5.24 5.25| 2534 0. 35.78 2014. 0.153| 2408 0. 34.01 1914. 0.146| 2360 0. 33.33 1875. 0.143|
277 | 5.24 5.25| 2578 0. 36.41 2049. 0.156| 2443 0. 34.51 1942. 0.148| 2393 0. 33.80 1902. 0.145|
278 | 5.24 5.25| 2633 0. 37.18 2092. 0.159| 2486 0. 35.11 1975. 0.151| 2433 0. 34.36 1934. 0.147|
279 | 5.24 5.25| 2697 0. 38.09 2144. 0.163| 2539 0. 35.85 2018. 0.154| 2483 0. 35.07 1974. 0.150|
280 | 5.24 5.25| 2730 0. 38.56 2170. 0.165| 2566 0. 36.25 2040. 0.155| 2510 0. 35.45 1995. 0.152|
281 | 5.24 5.25| 2087 0. 29.47 1658. 0.126| 1936 0. 27.34 1539. 0.117| 1886 0. 26.63 1499. 0.114|
282 | 5.24 5.25| 2072 0. 29.26 1647. 0.125| 1924 0. 27.18 1529. 0.117| 1875 0. 26.48 1490. 0.114|
283 | 5.24 5.25| 2043 0. 28.85 1623. 0.124| 1902 0. 26.85 1511. 0.115| 1854 0. 26.18 1473. 0.112|
284 | 5.24 5.25| 2009 0. 28.37 1597. 0.122| 1878 0. 26.52 1492. 0.114| 1832 0. 25.87 1456. 0.111|
285 | 5.24 5.25| 1968 0. 27.79 1564. 0.119| 1848 0. 26.10 1469. 0.112| 1805 0. 25.49 1434. 0.109|
286 | 5.24 5.25| 1971 0. 27.84 1567. 0.119| 1847 0. 26.08 1468. 0.112| 1802 0. 25.45 1432. 0.109|
287 | 5.24 5.25| 2013 0. 28.43 1600. 0.122| 1880 0. 26.55 1494. 0.114| 1833 0. 25.89 1457. 0.111|
288 | 5.24 5.25| 2028 0. 28.64 1611. 0.123| 1891 0. 26.71 1503. 0.115| 1844 0. 26.04 1465. 0.112|
289 | 5.24 5.25| 1992 0. 28.14 1583. 0.121| 1862 0. 26.30 1480. 0.113| 1816 0. 25.65 1443. 0.110|
290 | 5.24 5.25| 1960 0. 27.68 1558. 0.119| 1840 0. 25.98 1462. 0.111| 1797 0. 25.37 1428. 0.109|
291 | 5.24 5.25| 2016 0. 28.48 1603. 0.122| 1886 0. 26.63 1499. 0.114| 1840 0. 25.99 1462. 0.111|
292 | 5.24 5.25| 2026 0. 28.61 1610. 0.123| 1895 0. 26.76 1506. 0.115| 1849 0. 26.11 1469. 0.112|
293 | 5.24 5.25| 2001 0. 28.26 1590. 0.121| 1876 0. 26.50 1491. 0.114| 1832 0. 25.87 1456. 0.111|

294 | 5.24 5.25| 1961 0. 27.70 1559. 0.119| 1845 0. 26.06 1466. 0.112| 1803 0.
25.46 1432. 0.109|
295 | 5.24 5.25| 1985 0. 28.03 1577. 0.120| 1860 0. 26.27 1478. 0.113| 1815 0.
25.64 1443. 0.110|
296 | 5.24 5.25| 2015 0. 28.46 1601. 0.122| 1883 0. 26.59 1496. 0.114| 1837 0.
25.94 1460. 0.111|
297 | 5.24 5.25| 2011 0. 28.39 1598. 0.122| 1878 0. 26.53 1493. 0.114| 1832 0.
25.87 1456. 0.111|
298 | 5.24 5.25| 1958 0. 27.65 1556. 0.119| 1835 0. 25.92 1458. 0.111| 1791 0.
25.29 1423. 0.108|
299 | 5.24 5.25| 1996 0. 28.19 1586. 0.121| 1868 0. 26.38 1485. 0.113| 1823 0.
25.75 1449. 0.110|
300 | 5.24 5.25| 2028 0. 28.64 1611. 0.123| 1895 0. 26.77 1506. 0.115| 1849 0.
26.11 1469. 0.112|
301 | 5.24 5.25| 2015 0. 28.46 1602. 0.122| 1887 0. 26.65 1500. 0.114| 1841 0.
26.01 1463. 0.112|
302 | 5.24 5.25| 1983 0. 28.01 1576. 0.120| 1862 0. 26.30 1480. 0.113| 1818 0.
25.68 1445. 0.110|
303 | 5.24 5.25| 1957 0. 27.64 1556. 0.119| 1838 0. 25.96 1461. 0.111| 1795 0.
25.35 1427. 0.109|
304 | 5.24 5.25| 1993 0. 28.15 1584. 0.121| 1866 0. 26.35 1483. 0.113| 1821 0.
25.72 1447. 0.110|
305 | 5.24 5.25| 2010 0. 28.39 1597. 0.122| 1878 0. 26.53 1493. 0.114| 1832 0.
25.88 1456. 0.111|
306 | 5.24 5.25| 1982 0. 28.00 1575. 0.120| 1856 0. 26.21 1475. 0.112| 1811 0.
25.58 1439. 0.110|
307 | 5.24 5.25| 1971 0. 27.83 1566. 0.119| 1847 0. 26.08 1468. 0.112| 1803 0.
25.46 1433. 0.109|
308 | 5.24 5.25| 2025 0. 28.59 1609. 0.123| 1890 0. 26.70 1502. 0.114| 1844 0.
26.04 1465. 0.112|
309 | 5.24 5.25| 2032 0. 28.70 1615. 0.123| 1897 0. 26.79 1508. 0.115| 1850 0.
26.13 1470. 0.112|
310 | 5.24 5.25| 2000 0. 28.25 1590. 0.121| 1872 0. 26.44 1488. 0.113| 1827 0.
25.80 1452. 0.111|
311 | 5.24 5.25| 1948 0. 27.51 1548. 0.118| 1830 0. 25.85 1455. 0.111| 1788 0.
25.25 1421. 0.108|
312 | 5.24 5.25| 1976 0. 27.91 1571. 0.120| 1851 0. 26.14 1471. 0.112| 1806 0.
25.51 1436. 0.109|
313 | 5.24 5.25| 2027 0. 28.63 1611. 0.123| 1889 0. 26.68 1501. 0.114| 1842 0.
26.02 1464. 0.112|
314 | 5.24 5.25| 2086 0. 29.46 1658. 0.126| 1937 0. 27.36 1540. 0.117| 1888 0.
26.66 1500. 0.114|
315 | 5.24 5.25| 2119 0. 29.92 1684. 0.128| 1964 0. 27.74 1561. 0.119| 1913 0.
27.02 1520. 0.116|
316 | 5.24 5.25| 1120 0. 15.81 890. 0.068| 1027 0. 14.51 816. 0.062| 997 0.
14.07 792. 0.060|
317 | 5.24 5.25| 1149 0. 16.23 913. 0.070| 1055 0. 14.89 838. 0.064| 1023 0.
14.45 813. 0.062|
318 | 5.24 5.25| 1204 0. 17.00 957. 0.073| 1106 0. 15.63 879. 0.067| 1074 0.
15.17 854. 0.065|
319 | 5.24 5.25| 1218 0. 17.19 968. 0.074| 1125 0. 15.88 894. 0.068| 1093 0.
15.44 869. 0.066|
320 | 5.24 5.25| 1206 0. 17.03 958. 0.073| 1121 0. 15.84 891. 0.068| 1092 0.
15.42 868. 0.066|
321 | 5.24 5.25| 1218 0. 17.21 968. 0.074| 1130 0. 15.95 898. 0.068| 1099 0.
15.52 873. 0.067|
322 | 5.24 5.25| 1224 0. 17.28 972. 0.074| 1131 0. 15.97 899. 0.068| 1099 0.
15.52 873. 0.067|
323 | 5.24 5.25| 1191 0. 16.82 946. 0.072| 1101 0. 15.55 875. 0.067| 1071 0.
15.12 851. 0.065|
324 | 5.24 5.25| 1061 0. 14.98 843. 0.064| 997 0. 14.08 792. 0.060| 973 0.
13.74 773. 0.059|
325 | 5.24 5.25| 1025 0. 14.48 815. 0.062| 968 0. 13.67 769. 0.059| 945 0.
13.35 751. 0.057|

```
326  |  5.24  5.25|  1151    0. 16.26  915. 0.070|  1072    0. 15.13  852. 0.065|  1043    0.
14.74  829. 0.063|
327  |  5.24  5.25|  1215    0. 17.17  966. 0.074|  1128    0. 15.92  896. 0.068|  1097    0.
15.50  872. 0.066|
328  |  5.24  5.25|  1228    0. 17.34  976. 0.074|  1141    0. 16.12  907. 0.069|  1111    0.
15.69  883. 0.067|
329  |  5.24  5.25|  1206    0. 17.03  959. 0.073|  1127    0. 15.91  895. 0.068|  1098    0.
15.51  873. 0.066|
330  |  5.24  5.25|  1213    0. 17.13  964. 0.073|  1126    0. 15.91  895. 0.068|  1096    0.
15.48  871. 0.066|
331  |  5.24  5.25|  1206    0. 17.03  958. 0.073|  1117    0. 15.77  887. 0.068|  1086    0.
15.33  863. 0.066|
332  |  5.24  5.25|  1143    0. 16.15  909. 0.069|  1062    0. 15.00  844. 0.064|  1034    0.
14.60  821. 0.063|
333  |  5.24  5.25|  1032    0. 14.58  820. 0.063|   972    0. 13.73  773. 0.059|   949    0.
13.40  754. 0.057|
334  |  5.24  5.25|  1082    0. 15.29  860. 0.066|  1021    0. 14.41  811. 0.062|   997    0.
14.08  792. 0.060|
335  |  5.24  5.25|  1199    0. 16.93  953. 0.073|  1112    0. 15.71  884. 0.067|  1082    0.
15.29  860. 0.066|
336  |  5.24  5.25|  1228    0. 17.34  976. 0.074|  1140    0. 16.09  906. 0.069|  1109    0.
15.66  881. 0.067|
337  |  5.24  5.25|  1225    0. 17.30  974. 0.074|  1141    0. 16.11  907. 0.069|  1111    0.
15.69  883. 0.067|
338  |  5.24  5.25|  1202    0. 16.97  955. 0.073|  1119    0. 15.81  890. 0.068|  1090    0.
15.40  866. 0.066|
339  |  5.24  5.25|  1207    0. 17.05  960. 0.073|  1121    0. 15.83  891. 0.068|  1091    0.
15.41  867. 0.066|
340  |  5.24  5.25|  1182    0. 16.70  940. 0.072|  1097    0. 15.49  872. 0.066|  1068    0.
15.08  848. 0.065|
341  |  5.24  5.25|  1060    0. 14.97  842. 0.064|   998    0. 14.10  793. 0.060|   974    0.
13.76  774. 0.059|
342  |  5.24  5.25|  1032    0. 14.58  820. 0.063|   974    0. 13.75  774. 0.059|   951    0.
13.43  756. 0.058|
343  |  5.24  5.25|  1160    0. 16.39  922. 0.070|  1078    0. 15.22  856. 0.065|  1049    0.
14.81  833. 0.064|
344  |  5.24  5.25|  1229    0. 17.35  976. 0.074|  1136    0. 16.05  903. 0.069|  1105    0.
15.60  878. 0.067|
345  |  5.24  5.25|  1237    0. 17.47  983. 0.075|  1146    0. 16.19  911. 0.069|  1115    0.
15.75  886. 0.068|
346  |  5.24  5.25|  1211    0. 17.10  962. 0.073|  1128    0. 15.92  896. 0.068|  1098    0.
15.51  873. 0.066|
347  |  5.24  5.25|  1203    0. 16.99  956. 0.073|  1115    0. 15.74  886. 0.067|  1084    0.
15.32  862. 0.066|
348  |  5.24  5.25|  1208    0. 17.07  960. 0.073|  1113    0. 15.71  884. 0.067|  1081    0.
15.26  859. 0.065|
349  |  5.24  5.25|  1183    0. 16.71  940. 0.072|  1084    0. 15.31  861. 0.066|  1052    0.
14.85  836. 0.064|
350  |  5.24  5.25|  1170    0. 16.52  930. 0.071|  1069    0. 15.10  849. 0.065|  1036    0.
14.64  824. 0.063|
351  |  5.24  5.25|    88    0.  1.24   70. 0.005|    87    0.  1.22   69. 0.005|    83    0.
1.18   66. 0.005|
352  |  5.24  5.25|   222    0.  3.13  176. 0.013|   205    0.  2.90  163. 0.012|   198    0.
2.80  158. 0.012|
353  |  5.24  5.25|   399    0.  5.63  317. 0.024|   387    0.  5.47  308. 0.023|   380    0.
5.37  302. 0.023|
354  |  5.24  5.25|   503    0.  7.10  400. 0.030|   459    0.  6.48  365. 0.028|   447    0.
6.32  355. 0.027|
355  |  5.24  5.25|   526    0.  7.43  418. 0.032|   485    0.  6.85  386. 0.029|   471    0.
6.65  374. 0.029|
356  |  5.24  5.25|   535    0.  7.55  425. 0.032|   489    0.  6.91  389. 0.030|   474    0.
6.69  377. 0.029|
357  |  5.24  5.25|   493    0.  6.97  392. 0.030|   452    0.  6.39  359. 0.027|   438    0.
6.19  348. 0.027|
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358  |  5.24  5.25|   364    0.  5.14  289. 0.022|   365    0.  5.15  290. 0.022|   361    0.
5.10  287. 0.022|
359  |  5.24  5.25|   126    0.  1.78  100. 0.008|   155    0.  2.19  123. 0.009|   158    0.
2.23  126. 0.010|
360  |  5.24  5.25|   102    0.  1.44   81. 0.006|   135    0.  1.91  107. 0.008|   139    0.
1.97  111. 0.008|
361  |  5.24  5.25|   266    0.  3.75  211. 0.016|   276    0.  3.90  220. 0.017|   276    0.
3.89  219. 0.017|
362  |  5.24  5.25|   446    0.  6.30  355. 0.027|   417    0.  5.89  331. 0.025|   406    0.
5.73  322. 0.025|
363  |  5.24  5.25|   520    0.  7.35  413. 0.031|   480    0.  6.78  382. 0.029|   466    0.
6.58  371. 0.028|
364  |  5.24  5.25|   530    0.  7.48  421. 0.032|   491    0.  6.94  390. 0.030|   478    0.
6.74  380. 0.029|
365  |  5.24  5.25|   505    0.  7.14  402. 0.031|   470    0.  6.64  374. 0.028|   459    0.
6.48  365. 0.028|
366  |  5.24  5.25|   436    0.  6.15  346. 0.026|   422    0.  5.96  336. 0.026|   415    0.
5.85  329. 0.025|
367  |  5.24  5.25|   270    0.  3.81  214. 0.016|   283    0.  4.00  225. 0.017|   284    0.
4.01  226. 0.017|
368  |  5.24  5.25|   118    0.  1.67   94. 0.007|   148    0.  2.10  118. 0.009|   152    0.
2.15  121. 0.009|
369  |  5.24  5.25|   147    0.  2.08  117. 0.009|   173    0.  2.44  137. 0.010|   175    0.
2.47  139. 0.011|
370  |  5.24  5.25|   381    0.  5.38  303. 0.023|   375    0.  5.30  298. 0.023|   370    0.
5.22  294. 0.022|
371  |  5.24  5.25|   501    0.  7.07  398. 0.030|   463    0.  6.54  368. 0.028|   450    0.
6.35  357. 0.027|
372  |  5.24  5.25|   538    0.  7.60  427. 0.033|   496    0.  7.01  395. 0.030|   482    0.
6.81  383. 0.029|
373  |  5.24  5.25|   528    0.  7.45  419. 0.032|   492    0.  6.95  391. 0.030|   479    0.
6.76  381. 0.029|
374  |  5.24  5.25|   495    0.  6.99  393. 0.030|   470    0.  6.64  374. 0.028|   460    0.
6.49  365. 0.028|
375  |  5.24  5.25|   402    0.  5.67  319. 0.024|   396    0.  5.60  315. 0.024|   391    0.
5.52  310. 0.024|
376  |  5.24  5.25|   140    0.  1.98  111. 0.008|   172    0.  2.42  136. 0.010|   176    0.
2.48  140. 0.011|
377  |  5.24  5.25|   104    0.  1.47   83. 0.006|   140    0.  1.97  111. 0.008|   144    0.
2.04  115. 0.009|
378  |  5.24  5.25|   247    0.  3.48  196. 0.015|   254    0.  3.59  202. 0.015|   253    0.
3.57  201. 0.015|
379  |  5.24  5.25|   447    0.  6.32  356. 0.027|   416    0.  5.87  330. 0.025|   404    0.
5.71  321. 0.024|
380  |  5.24  5.25|   533    0.  7.53  423. 0.032|   489    0.  6.90  388. 0.030|   474    0.
6.69  377. 0.029|
381  |  5.24  5.25|   547    0.  7.73  435. 0.033|   504    0.  7.12  400. 0.031|   489    0.
6.91  389. 0.030|
382  |  5.24  5.25|   527    0.  7.44  419. 0.032|   492    0.  6.96  391. 0.030|   480    0.
6.77  381. 0.029|
383  |  5.24  5.25|   454    0.  6.41  361. 0.028|   436    0.  6.15  346. 0.026|   426    0.
6.02  339. 0.026|
384  |  5.24  5.25|   223    0.  3.15  177. 0.013|   227    0.  3.21  181. 0.014|   228    0.
3.21  181. 0.014|
385  |  5.24  5.25|    75    0.  1.06   60. 0.005|    86    0.  1.21   68. 0.005|    91    0.
1.29   73. 0.006|
386  |  5.24  5.25|   144    0.  2.04  115. 0.009|   155    0.  2.19  123. 0.009|   156    0.
2.20  124. 0.009|
387  |  5.24  5.25|   134    0.  1.89  107. 0.008|   142    0.  2.01  113. 0.009|   142    0.
2.01  113. 0.009|
388  |  5.24  5.25|   115    0.  1.62   91. 0.007|   115    0.  1.62   91. 0.007|   113    0.
1.59   90. 0.007|
389  |  5.24  5.25|   116    0.  1.63   92. 0.007|   109    0.  1.53   86. 0.007|   106    0.
1.49   84. 0.006|
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390 | 5.24 5.25| 124 0. 1.76 99. 0.008| 112 0. 1.58 89. 0.007| 107 0.
1.52 85. 0.007|
391 | 5.24 5.25| 123 0. 1.74 98. 0.007| 108 0. 1.52 86. 0.007| 103 0.
1.45 82. 0.006|
392 | 5.24 5.25| 97 0. 1.38 77. 0.006| 94 0. 1.32 74. 0.006| 92 0.
1.30 73. 0.006|
393 | 5.24 5.25| 90 0. 1.27 71. 0.005| 96 0. 1.36 76. 0.006| 97 0.
1.38 77. 0.006|
394 | 5.24 5.25| 103 0. 1.45 82. 0.006| 114 0. 1.61 91. 0.007| 115 0.
1.63 92. 0.007|
395 | 5.24 5.25| 102 0. 1.43 81. 0.006| 114 0. 1.60 90. 0.007| 115 0.
1.62 91. 0.007|
396 | 5.24 5.25| 88 0. 1.24 70. 0.005| 93 0. 1.32 74. 0.006| 93 0.
1.32 74. 0.006|
397 | 5.24 5.25| 99 0. 1.39 78. 0.006| 96 0. 1.36 76. 0.006| 94 0.
1.33 75. 0.006|
398 | 5.24 5.25| 109 0. 1.54 87. 0.007| 99 0. 1.39 78. 0.006| 95 0.
1.34 76. 0.006|
399 | 5.24 5.25| 120 0. 1.70 96. 0.007| 110 0. 1.55 87. 0.007| 106 0.
1.50 84. 0.006|
400 | 5.24 5.25| 116 0. 1.65 93. 0.007| 110 0. 1.55 87. 0.007| 107 0.
1.51 85. 0.006|
401 | 5.24 5.25| 115 0. 1.63 92. 0.007| 113 0. 1.59 90. 0.007| 111 0.
1.56 88. 0.007|
402 | 5.24 5.25| 99 0. 1.41 79. 0.006| 106 0. 1.49 84. 0.006| 106 0.
1.50 84. 0.006|
403 | 5.24 5.25| 111 0. 1.57 88. 0.007| 122 0. 1.72 97. 0.007| 122 0.
1.73 97. 0.007|
404 | 5.24 5.25| 110 0. 1.55 87. 0.007| 119 0. 1.68 95. 0.007| 120 0.
1.69 95. 0.007|
405 | 5.24 5.25| 92 0. 1.30 73. 0.006| 94 0. 1.33 75. 0.006| 94 0.
1.33 75. 0.006|
406 | 5.24 5.25| 103 0. 1.45 82. 0.006| 94 0. 1.33 75. 0.006| 91 0.
1.29 72. 0.006|
407 | 5.24 5.25| 123 0. 1.74 98. 0.007| 111 0. 1.57 88. 0.007| 107 0.
1.51 85. 0.006|
408 | 5.24 5.25| 123 0. 1.74 98. 0.007| 113 0. 1.60 90. 0.007| 110 0.
1.55 87. 0.007|
409 | 5.24 5.25| 115 0. 1.63 91. 0.007| 110 0. 1.56 88. 0.007| 108 0.
1.52 86. 0.007|
410 | 5.24 5.25| 117 0. 1.65 93. 0.007| 117 0. 1.65 93. 0.007| 116 0.
1.63 92. 0.007|
411 | 5.24 5.25| 109 0. 1.54 87. 0.007| 120 0. 1.70 96. 0.007| 121 0.
1.71 96. 0.007|
412 | 5.24 5.25| 104 0. 1.47 83. 0.006| 116 0. 1.64 92. 0.007| 117 0.
1.65 93. 0.007|
413 | 5.24 5.25| 88 0. 1.24 70. 0.005| 93 0. 1.31 74. 0.006| 93 0.
1.31 74. 0.006|
414 | 5.24 5.25| 90 0. 1.27 71. 0.005| 87 0. 1.23 69. 0.005| 86 0.
1.22 69. 0.005|
415 | 5.24 5.25| 124 0. 1.76 99. 0.008| 110 0. 1.55 87. 0.007| 105 0.
1.49 84. 0.006|
416 | 5.24 5.25| 138 0. 1.95 110. 0.008| 123 0. 1.74 98. 0.007| 118 0.
1.67 94. 0.007|
417 | 5.24 5.25| 133 0. 1.87 105. 0.008| 122 0. 1.73 97. 0.007| 119 0.
1.68 94. 0.007|
418 | 5.24 5.25| 130 0. 1.83 103. 0.008| 126 0. 1.78 100. 0.008| 123 0.
1.74 98. 0.007|
419 | 5.24 5.25| 172 0. 2.44 137. 0.010| 175 0. 2.47 139. 0.011| 173 0.
2.45 138. 0.010|
420 | 5.24 5.25| 195 0. 2.75 155. 0.012| 201 0. 2.83 159. 0.012| 199 0.
2.81 158. 0.012|
596 | 5.24 5.25| 517 0. 1.83 167. 0.016| 481 0. 1.70 156. 0.015| 468 0.
1.66 151. 0.015|

597 | 5.24 5.25| 447 0. 1.58 145. 0.014| 417 0. 1.47 135. 0.013| 405 0.
1.43 131. 0.013|
598 | 5.24 5.25| 413 0. 1.46 134. 0.013| 384 0. 1.36 124. 0.012| 374 0.
1.32 121. 0.012|
599 | 5.24 5.25| 390 0. 1.38 126. 0.012| 363 0. 1.28 117. 0.011| 352 0.
1.25 114. 0.011|
600 | 5.24 5.25| 334 0. 1.18 108. 0.010| 311 0. 1.10 101. 0.010| 302 0.
1.07 98. 0.009|
601 | 5.24 5.25| 300 0. 1.06 97. 0.009| 279 0. 0.99 90. 0.009| 271 0.
0.96 88. 0.008|
602 | 5.24 5.25| 305 0. 1.08 99. 0.010| 284 0. 1.00 92. 0.009| 276 0.
0.97 89. 0.009|
603 | 5.24 5.25| 318 0. 1.13 103. 0.010| 295 0. 1.04 95. 0.009| 286 0.
1.01 93. 0.009|
604 | 5.24 5.25| 333 0. 1.18 108. 0.010| 309 0. 1.09 100. 0.010| 300 0.
1.06 97. 0.009|
605 | 5.24 5.25| 322 0. 1.14 104. 0.010| 299 0. 1.06 97. 0.009| 290 0.
1.02 94. 0.009|
606 | 5.24 5.25| 303 0. 1.07 98. 0.009| 280 0. 0.99 91. 0.009| 272 0.
0.96 88. 0.008|
607 | 5.24 5.25| 283 0. 1.00 92. 0.009| 258 0. 0.91 84. 0.008| 250 0.
0.88 81. 0.008|
608 | 5.24 5.25| 277 0. 0.98 90. 0.009| 255 0. 0.90 82. 0.008| 246 0.
0.87 80. 0.008|
609 | 5.24 5.25| 278 0. 0.98 90. 0.009| 256 0. 0.90 83. 0.008| 248 0.
0.88 80. 0.008|
610 | 5.24 5.25| 299 0. 1.06 97. 0.009| 278 0. 0.98 90. 0.009| 269 0.
0.95 87. 0.008|
611 | 5.24 5.25| 313 0. 1.11 101. 0.010| 290 0. 1.02 94. 0.009| 281 0.
0.99 91. 0.009|
612 | 5.24 5.25| 332 0. 1.18 108. 0.010| 308 0. 1.09 100. 0.010| 299 0.
1.06 97. 0.009|
613 | 5.24 5.25| 342 0. 1.21 111. 0.011| 317 0. 1.12 103. 0.010| 308 0.
1.09 100. 0.010|
614 | 5.24 5.25| 346 0. 1.22 112. 0.011| 321 0. 1.14 104. 0.010| 312 0.
1.10 101. 0.010|
615 | 5.24 5.25| 325 0. 1.15 105. 0.010| 302 0. 1.07 98. 0.009| 294 0.
1.04 95. 0.009|
616 | 5.24 5.25| 302 0. 1.07 98. 0.009| 280 0. 0.99 91. 0.009| 272 0.
0.96 88. 0.009|
617 | 5.24 5.25| 284 0. 1.00 92. 0.009| 258 0. 0.91 84. 0.008| 249 0.
0.88 81. 0.008|
618 | 5.24 5.25| 277 0. 0.98 90. 0.009| 253 0. 0.89 82. 0.008| 245 0.
0.87 79. 0.008|
619 | 5.24 5.25| 275 0. 0.97 89. 0.009| 254 0. 0.90 82. 0.008| 246 0.
0.87 80. 0.008|
620 | 5.24 5.25| 297 0. 1.05 96. 0.009| 276 0. 0.97 89. 0.009| 268 0.
0.95 87. 0.008|
621 | 5.24 5.25| 310 0. 1.10 100. 0.010| 288 0. 1.02 93. 0.009| 279 0.
0.99 90. 0.009|
622 | 5.24 5.25| 330 0. 1.17 107. 0.010| 306 0. 1.08 99. 0.010| 297 0.
1.05 96. 0.009|
623 | 5.24 5.25| 338 0. 1.20 109. 0.011| 314 0. 1.11 102. 0.010| 305 0.
1.08 99. 0.010|
624 | 5.24 5.25| 336 0. 1.19 109. 0.010| 312 0. 1.10 101. 0.010| 303 0.
1.07 98. 0.009|
625 | 5.24 5.25| 301 0. 1.06 97. 0.009| 279 0. 0.99 90. 0.009| 271 0.
0.96 88. 0.008|
626 | 5.24 5.25| 323 0. 1.14 105. 0.010| 298 0. 1.05 96. 0.009| 288 0.
1.02 93. 0.009|
627 | 5.24 5.25| 395 0. 1.40 128. 0.012| 365 0. 1.29 118. 0.011| 353 0.
1.25 114. 0.011|
628 | 5.24 5.25| 436 0. 1.54 141. 0.014| 403 0. 1.42 130. 0.013| 391 0.
1.38 126. 0.012|

629 | 5.24 5.25| 481 0. 1.70 156. 0.015| 445 0. 1.57 144. 0.014| 431 0.
1.53 140. 0.013|
630 | 5.24 5.25| 527 0. 1.86 170. 0.016| 487 0. 1.72 158. 0.015| 473 0.
1.67 153. 0.015|
631 | 5.24 5.25| 825 0. 2.92 267. 0.026| 787 0. 2.78 255. 0.025| 771 0.
2.73 249. 0.024|
632 | 5.24 5.25| 752 0. 2.66 243. 0.024| 720 0. 2.55 233. 0.023| 707 0.
2.50 229. 0.022|
633 | 5.24 5.25| 706 0. 2.50 229. 0.022| 678 0. 2.40 219. 0.021| 666 0.
2.35 215. 0.021|
634 | 5.24 5.25| 683 0. 2.42 221. 0.021| 658 0. 2.33 213. 0.021| 646 0.
2.29 209. 0.020|
635 | 5.24 5.25| 628 0. 2.22 203. 0.020| 609 0. 2.15 197. 0.019| 600 0.
2.12 194. 0.019|
636 | 5.24 5.25| 584 0. 2.06 189. 0.018| 568 0. 2.01 184. 0.018| 560 0.
1.98 181. 0.018|
637 | 5.24 5.25| 581 0. 2.05 188. 0.018| 565 0. 2.00 183. 0.018| 557 0.
1.97 180. 0.017|
638 | 5.24 5.25| 596 0. 2.11 193. 0.019| 579 0. 2.05 187. 0.018| 570 0.
2.02 184. 0.018|
639 | 5.24 5.25| 616 0. 2.18 199. 0.019| 597 0. 2.11 193. 0.019| 588 0.
2.08 190. 0.018|
640 | 5.24 5.25| 616 0. 2.18 199. 0.019| 597 0. 2.11 193. 0.019| 588 0.
2.08 190. 0.018|
641 | 5.24 5.25| 598 0. 2.12 194. 0.019| 581 0. 2.05 188. 0.018| 572 0.
2.02 185. 0.018|
642 | 5.24 5.25| 565 0. 2.00 183. 0.018| 549 0. 1.94 178. 0.017| 541 0.
1.91 175. 0.017|
643 | 5.24 5.25| 544 0. 1.93 176. 0.017| 529 0. 1.87 171. 0.017| 521 0.
1.84 169. 0.016|
644 | 5.24 5.25| 535 0. 1.89 173. 0.017| 522 0. 1.85 169. 0.016| 514 0.
1.82 166. 0.016|
645 | 5.24 5.25| 548 0. 1.94 177. 0.017| 531 0. 1.88 172. 0.017| 523 0.
1.85 169. 0.016|
646 | 5.24 5.25| 560 0. 1.98 181. 0.017| 542 0. 1.92 176. 0.017| 534 0.
1.89 173. 0.017|
647 | 5.24 5.25| 581 0. 2.06 188. 0.018| 562 0. 1.99 182. 0.018| 554 0.
1.96 179. 0.017|
648 | 5.24 5.25| 602 0. 2.13 195. 0.019| 582 0. 2.06 188. 0.018| 573 0.
2.03 186. 0.018|
649 | 5.24 5.25| 622 0. 2.20 201. 0.019| 603 0. 2.13 195. 0.019| 594 0.
2.10 192. 0.019|
650 | 5.24 5.25| 617 0. 2.18 200. 0.019| 599 0. 2.12 194. 0.019| 590 0.
2.09 191. 0.018|
651 | 5.24 5.25| 596 0. 2.11 193. 0.019| 579 0. 2.05 187. 0.018| 571 0.
2.02 185. 0.018|
652 | 5.24 5.25| 561 0. 1.98 181. 0.018| 545 0. 1.93 176. 0.017| 538 0.
1.90 174. 0.017|
653 | 5.24 5.25| 540 0. 1.91 175. 0.017| 525 0. 1.86 170. 0.016| 518 0.
1.83 168. 0.016|
654 | 5.24 5.25| 533 0. 1.89 173. 0.017| 520 0. 1.84 168. 0.016| 512 0.
1.81 166. 0.016|
655 | 5.24 5.25| 547 0. 1.94 177. 0.017| 531 0. 1.88 172. 0.017| 523 0.
1.85 169. 0.016|
656 | 5.24 5.25| 561 0. 1.98 181. 0.018| 543 0. 1.92 176. 0.017| 535 0.
1.89 173. 0.017|
657 | 5.24 5.25| 583 0. 2.06 189. 0.018| 564 0. 2.00 183. 0.018| 556 0.
1.96 180. 0.017|
658 | 5.24 5.25| 603 0. 2.13 195. 0.019| 584 0. 2.06 189. 0.018| 574 0.
2.03 186. 0.018|
659 | 5.24 5.25| 620 0. 2.19 201. 0.019| 600 0. 2.12 194. 0.019| 591 0.
2.09 191. 0.018|
660 | 5.24 5.25| 603 0. 2.13 195. 0.019| 585 0. 2.07 189. 0.018| 576 0.
2.04 186. 0.018|

661 | 5.24 5.25| 613 0. 2.17 198. 0.019| 591 0. 2.09 191. 0.018| 581 0.
2.05 188. 0.018|
662 | 5.24 5.25| 653 0. 2.31 211. 0.020| 626 0. 2.21 203. 0.020| 614 0.
2.17 199. 0.019|
663 | 5.24 5.25| 678 0. 2.40 219. 0.021| 648 0. 2.29 210. 0.020| 635 0.
2.24 205. 0.020|
664 | 5.24 5.25| 702 0. 2.48 227. 0.022| 668 0. 2.36 216. 0.021| 655 0.
2.31 212. 0.020|
665 | 5.24 5.25| 726 0. 2.57 235. 0.023| 689 0. 2.43 223. 0.022| 673 0.
2.38 218. 0.021|
666 | 5.24 5.25| 670 0. 2.37 217. 0.021| 676 0. 2.39 219. 0.021| 675 0.
2.39 218. 0.021|
667 | 5.24 5.25| 608 0. 2.15 197. 0.019| 622 0. 2.20 201. 0.019| 624 0.
2.21 202. 0.019|
668 | 5.24 5.25| 557 0. 1.97 180. 0.017| 576 0. 2.04 187. 0.018| 580 0.
2.05 188. 0.018|
669 | 5.24 5.25| 542 0. 1.92 175. 0.017| 565 0. 2.00 183. 0.018| 569 0.
2.01 184. 0.018|
670 | 5.24 5.25| 508 0. 1.80 164. 0.016| 539 0. 1.91 174. 0.017| 546 0.
1.93 177. 0.017|
671 | 5.24 5.25| 463 0. 1.64 150. 0.014| 498 0. 1.76 161. 0.016| 507 0.
1.79 164. 0.016|
672 | 5.24 5.25| 451 0. 1.59 146. 0.014| 487 0. 1.72 157. 0.015| 495 0.
1.75 160. 0.015|
673 | 5.24 5.25| 464 0. 1.64 150. 0.014| 497 0. 1.76 161. 0.016| 505 0.
1.79 163. 0.016|
674 | 5.24 5.25| 491 0. 1.74 159. 0.015| 523 0. 1.85 169. 0.016| 530 0.
1.87 172. 0.017|
675 | 5.24 5.25| 503 0. 1.78 163. 0.016| 535 0. 1.89 173. 0.017| 542 0.
1.92 175. 0.017|
676 | 5.24 5.25| 492 0. 1.74 159. 0.015| 525 0. 1.86 170. 0.016| 532 0.
1.88 172. 0.017|
677 | 5.24 5.25| 460 0. 1.63 149. 0.014| 494 0. 1.75 160. 0.015| 502 0.
1.78 162. 0.016|
678 | 5.24 5.25| 428 0. 1.52 139. 0.013| 464 0. 1.64 150. 0.014| 472 0.
1.67 153. 0.015|
679 | 5.24 5.25| 405 0. 1.43 131. 0.013| 444 0. 1.57 144. 0.014| 455 0.
1.61 147. 0.014|
680 | 5.24 5.25| 406 0. 1.44 131. 0.013| 446 0. 1.58 144. 0.014| 456 0.
1.61 147. 0.014|
681 | 5.24 5.25| 418 0. 1.48 135. 0.013| 455 0. 1.61 147. 0.014| 463 0.
1.64 150. 0.014|
682 | 5.24 5.25| 439 0. 1.55 142. 0.014| 471 0. 1.67 152. 0.015| 478 0.
1.69 155. 0.015|
683 | 5.24 5.25| 462 0. 1.63 149. 0.014| 493 0. 1.74 159. 0.015| 500 0.
1.77 162. 0.016|
684 | 5.24 5.25| 489 0. 1.73 158. 0.015| 519 0. 1.83 168. 0.016| 526 0.
1.86 170. 0.016|
685 | 5.24 5.25| 497 0. 1.76 161. 0.016| 528 0. 1.87 171. 0.017| 535 0.
1.89 173. 0.017|
686 | 5.24 5.25| 481 0. 1.70 156. 0.015| 514 0. 1.82 166. 0.016| 522 0.
1.84 169. 0.016|
687 | 5.24 5.25| 446 0. 1.58 144. 0.014| 481 0. 1.70 156. 0.015| 489 0.
1.73 158. 0.015|
688 | 5.24 5.25| 414 0. 1.46 134. 0.013| 451 0. 1.59 146. 0.014| 459 0.
1.62 149. 0.014|
689 | 5.24 5.25| 393 0. 1.39 127. 0.012| 433 0. 1.53 140. 0.014| 444 0.
1.57 144. 0.014|
690 | 5.24 5.25| 398 0. 1.41 129. 0.012| 440 0. 1.55 142. 0.014| 448 0.
1.59 145. 0.014|
691 | 5.24 5.25| 415 0. 1.47 134. 0.013| 449 0. 1.59 145. 0.014| 457 0.
1.62 148. 0.014|
692 | 5.24 5.25| 434 0. 1.53 140. 0.014| 466 0. 1.65 151. 0.015| 473 0.
1.67 153. 0.015|

693 | 5.24 5.25| 456 0. 1.61 147. 0.014| 487 0. 1.72 157. 0.015| 494 0.
1.75 160. 0.015|
694 | 5.24 5.25| 479 0. 1.70 155. 0.015| 510 0. 1.80 165. 0.016| 517 0.
1.83 167. 0.016|
695 | 5.24 5.25| 479 0. 1.69 155. 0.015| 512 0. 1.81 166. 0.016| 519 0.
1.83 168. 0.016|
696 | 5.24 5.25| 472 0. 1.67 153. 0.015| 500 0. 1.77 162. 0.016| 505 0.
1.79 163. 0.016|
697 | 5.24 5.25| 482 0. 1.71 156. 0.015| 503 0. 1.78 163. 0.016| 506 0.
1.79 164. 0.016|
698 | 5.24 5.25| 490 0. 1.73 159. 0.015| 506 0. 1.79 164. 0.016| 509 0.
1.80 165. 0.016|
699 | 5.24 5.25| 498 0. 1.76 161. 0.016| 510 0. 1.81 165. 0.016| 512 0.
1.81 166. 0.016|
700 | 5.24 5.25| 504 0. 1.78 163. 0.016| 511 0. 1.81 165. 0.016| 511 0.
1.81 165. 0.016|
701 | 5.24 5.25| 734 0. 2.60 237. 0.023| 786 0. 2.78 254. 0.025| 800 0.
2.83 259. 0.025|
702 | 5.24 5.25| 693 0. 2.45 224. 0.022| 756 0. 2.67 245. 0.024| 773 0.
2.73 250. 0.024|
703 | 5.24 5.25| 645 0. 2.28 209. 0.020| 715 0. 2.53 231. 0.022| 734 0.
2.60 238. 0.023|
704 | 5.24 5.25| 638 0. 2.26 206. 0.020| 714 0. 2.52 231. 0.022| 734 0.
2.60 238. 0.023|
705 | 5.24 5.25| 628 0. 2.22 203. 0.020| 715 0. 2.53 231. 0.022| 738 0.
2.61 239. 0.023|
706 | 5.24 5.25| 587 0. 2.08 190. 0.018| 680 0. 2.41 220. 0.021| 705 0.
2.49 228. 0.022|
707 | 5.24 5.25| 568 0. 2.01 184. 0.018| 661 0. 2.34 214. 0.021| 686 0.
2.43 222. 0.021|
708 | 5.24 5.25| 577 0. 2.04 187. 0.018| 668 0. 2.36 216. 0.021| 692 0.
2.45 224. 0.022|
709 | 5.24 5.25| 604 0. 2.14 196. 0.019| 691 0. 2.44 224. 0.022| 715 0.
2.53 231. 0.022|
710 | 5.24 5.25| 626 0. 2.21 203. 0.020| 712 0. 2.52 230. 0.022| 735 0.
2.60 238. 0.023|
711 | 5.24 5.25| 623 0. 2.20 202. 0.019| 709 0. 2.51 229. 0.022| 732 0.
2.59 237. 0.023|
712 | 5.24 5.25| 598 0. 2.11 193. 0.019| 686 0. 2.42 222. 0.021| 709 0.
2.51 230. 0.022|
713 | 5.24 5.25| 561 0. 1.98 182. 0.018| 650 0. 2.30 210. 0.020| 675 0.
2.39 218. 0.021|
714 | 5.24 5.25| 539 0. 1.90 174. 0.017| 628 0. 2.22 203. 0.020| 653 0.
2.31 211. 0.020|
715 | 5.24 5.25| 531 0. 1.88 172. 0.017| 620 0. 2.19 201. 0.019| 644 0.
2.28 209. 0.020|
716 | 5.24 5.25| 536 0. 1.90 174. 0.017| 624 0. 2.21 202. 0.020| 648 0.
2.29 210. 0.020|
717 | 5.24 5.25| 549 0. 1.94 178. 0.017| 634 0. 2.24 205. 0.020| 658 0.
2.33 213. 0.021|
718 | 5.24 5.25| 569 0. 2.01 184. 0.018| 653 0. 2.31 211. 0.020| 676 0.
2.39 219. 0.021|
719 | 5.24 5.25| 594 0. 2.10 192. 0.019| 677 0. 2.39 219. 0.021| 699 0.
2.47 226. 0.022|
720 | 5.24 5.25| 606 0. 2.14 196. 0.019| 690 0. 2.44 223. 0.022| 713 0.
2.52 231. 0.022|
721 | 5.24 5.25| 594 0. 2.10 192. 0.019| 681 0. 2.41 220. 0.021| 704 0.
2.49 228. 0.022|
722 | 5.24 5.25| 563 0. 1.99 182. 0.018| 653 0. 2.31 211. 0.020| 677 0.
2.40 219. 0.021|
723 | 5.24 5.25| 527 0. 1.86 171. 0.016| 618 0. 2.19 200. 0.019| 643 0.
2.27 208. 0.020|
724 | 5.24 5.25| 509 0. 1.80 165. 0.016| 601 0. 2.13 195. 0.019| 626 0.
2.21 203. 0.020|

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725  |  5.24  5.25|   504    0.  1.78  163. 0.016|   598    0.  2.12  194. 0.019|   623    0.
2.20  202. 0.019|
726  |  5.24  5.25|   518    0.  1.83  168. 0.016|   605    0.  2.14  196. 0.019|   629    0.
2.23  204. 0.020|
727  |  5.24  5.25|   530    0.  1.87  171. 0.017|   615    0.  2.17  199. 0.019|   638    0.
2.26  207. 0.020|
728  |  5.24  5.25|   544    0.  1.93  176. 0.017|   629    0.  2.23  204. 0.020|   652    0.
2.31  211. 0.020|
729  |  5.24  5.25|   563    0.  1.99  182. 0.018|   648    0.  2.29  210. 0.020|   671    0.
2.37  217. 0.021|
730  |  5.24  5.25|   570    0.  2.02  184. 0.018|   658    0.  2.33  213. 0.021|   681    0.
2.41  220. 0.021|
731  |  5.24  5.25|   555    0.  1.96  180. 0.017|   646    0.  2.29  209. 0.020|   671    0.
2.37  217. 0.021|
732  |  5.24  5.25|   533    0.  1.89  173. 0.017|   612    0.  2.16  198. 0.019|   637    0.
2.25  206. 0.020|
733  |  5.24  5.25|   530    0.  1.87  172. 0.017|   597    0.  2.11  193. 0.019|   615    0.
2.17  199. 0.019|
734  |  5.24  5.25|   531    0.  1.88  172. 0.017|   592    0.  2.09  191. 0.018|   608    0.
2.15  197. 0.019|
735  |  5.24  5.25|   527    0.  1.86  171. 0.016|   581    0.  2.05  188. 0.018|   595    0.
2.10  193. 0.019|
736  |  5.24  5.25|  1476    0.  5.22  478. 0.046|  1571    0.  5.55  508. 0.049|  1592    0.
5.63  515. 0.050|
737  |  5.24  5.25|  1445    0.  5.11  467. 0.045|  1508    0.  5.33  488. 0.047|  1529    0.
5.41  495. 0.048|
738  |  5.24  5.25|  1407    0.  4.98  455. 0.044|  1479    0.  5.23  479. 0.046|  1496    0.
5.29  484. 0.047|
739  |  5.24  5.25|  1398    0.  4.94  452. 0.044|  1478    0.  5.23  478. 0.046|  1497    0.
5.29  484. 0.047|
740  |  5.24  5.25|  1405    0.  4.97  455. 0.044|  1498    0.  5.30  485. 0.047|  1520    0.
5.37  492. 0.048|
741  |  5.24  5.25|  1373    0.  4.85  444. 0.043|  1473    0.  5.21  477. 0.046|  1497    0.
5.30  485. 0.047|
742  |  5.24  5.25|  1349    0.  4.77  437. 0.042|  1450    0.  5.13  469. 0.045|  1474    0.
5.21  477. 0.046|
743  |  5.24  5.25|  1361    0.  4.81  440. 0.043|  1456    0.  5.15  471. 0.046|  1479    0.
5.23  479. 0.046|
744  |  5.24  5.25|  1382    0.  4.89  447. 0.043|  1471    0.  5.20  476. 0.046|  1492    0.
5.28  483. 0.047|
745  |  5.24  5.25|  1409    0.  4.98  456. 0.044|  1496    0.  5.29  484. 0.047|  1516    0.
5.36  491. 0.047|
746  |  5.24  5.25|  1413    0.  5.00  457. 0.044|  1499    0.  5.30  485. 0.047|  1519    0.
5.37  491. 0.047|
747  |  5.24  5.25|  1396    0.  4.94  452. 0.044|  1485    0.  5.25  480. 0.046|  1506    0.
5.32  487. 0.047|
748  |  5.24  5.25|  1365    0.  4.83  442. 0.043|  1456    0.  5.15  471. 0.046|  1478    0.
5.23  478. 0.046|
749  |  5.24  5.25|  1342    0.  4.74  434. 0.042|  1435    0.  5.07  464. 0.045|  1457    0.
5.15  472. 0.046|
750  |  5.24  5.25|  1328    0.  4.70  430. 0.042|  1422    0.  5.03  460. 0.044|  1444    0.
5.11  467. 0.045|
751  |  5.24  5.25|  1336    0.  4.72  432. 0.042|  1427    0.  5.05  462. 0.045|  1449    0.
5.13  469. 0.045|
752  |  5.24  5.25|  1345    0.  4.76  435. 0.042|  1434    0.  5.07  464. 0.045|  1455    0.
5.14  471. 0.045|
753  |  5.24  5.25|  1365    0.  4.83  442. 0.043|  1450    0.  5.13  469. 0.045|  1470    0.
5.20  476. 0.046|
754  |  5.24  5.25|  1375    0.  4.86  445. 0.043|  1458    0.  5.16  472. 0.046|  1477    0.
5.22  478. 0.046|
755  |  5.24  5.25|  1381    0.  4.88  447. 0.043|  1466    0.  5.18  474. 0.046|  1485    0.
5.25  481. 0.046|
756  |  5.24  5.25|  1365    0.  4.83  442. 0.043|  1452    0.  5.14  470. 0.045|  1473    0.
5.21  477. 0.046|
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757 | 5.24 5.25| 1339 0. 4.74 433. 0.042| 1432 0. 5.06 463. 0.045| 1454 0. 5.14 470. 0.045|
758 | 5.24 5.25| 1311 0. 4.64 424. 0.041| 1406 0. 4.97 455. 0.044| 1428 0. 5.05 462. 0.045|
759 | 5.24 5.25| 1301 0. 4.60 421. 0.041| 1395 0. 4.93 452. 0.044| 1418 0. 5.01 459. 0.044|
760 | 5.24 5.25| 1300 0. 4.60 421. 0.041| 1391 0. 4.92 450. 0.043| 1413 0. 5.00 457. 0.044|
761 | 5.24 5.25| 1313 0. 4.64 425. 0.041| 1401 0. 4.95 453. 0.044| 1422 0. 5.03 460. 0.044|
762 | 5.24 5.25| 1318 0. 4.66 426. 0.041| 1403 0. 4.96 454. 0.044| 1424 0. 5.03 461. 0.045|
763 | 5.24 5.25| 1321 0. 4.67 427. 0.041| 1406 0. 4.97 455. 0.044| 1426 0. 5.04 462. 0.045|
764 | 5.24 5.25| 1313 0. 4.64 425. 0.041| 1400 0. 4.95 453. 0.044| 1421 0. 5.02 460. 0.044|
765 | 5.24 5.25| 1306 0. 4.62 423. 0.041| 1399 0. 4.95 453. 0.044| 1421 0. 5.03 460. 0.044|
766 | 5.24 5.25| 1296 0. 4.58 419. 0.041| 1395 0. 4.93 451. 0.044| 1418 0. 5.01 459. 0.044|
767 | 5.24 5.25| 1304 0. 4.61 422. 0.041| 1408 0. 4.98 456. 0.044| 1433 0. 5.07 464. 0.045|
768 | 5.24 5.25| 1299 0. 4.59 420. 0.041| 1406 0. 4.97 455. 0.044| 1432 0. 5.06 463. 0.045|
769 | 5.24 5.25| 1302 0. 4.61 421. 0.041| 1412 0. 4.99 457. 0.044| 1438 0. 5.09 465. 0.045|
770 | 5.24 5.25| 1320 0. 4.67 427. 0.041| 1430 0. 5.06 463. 0.045| 1457 0. 5.15 471. 0.046|

ARMATURA SUPERIORE ORIZZONTALE

| COMBINAZIONE RARA | COMBINAZIONE FREQUENTE | COMBINAZIONE QUASI PERMANENTE|
GUSCI| Af Afc | Mom Nor sigC sigF WkR | Mom Nor sigC sigF WkF | Mom Nor sigC sigF WkP |
176 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000|
177 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000|
178 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000|
179 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000|
180 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000|
181 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000|
182 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000|
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184 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000|
185 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000|
186 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000|
187 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000|
188 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000|
189 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000|

190	5.34	5.34	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
191	5.34	5.34	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
192	5.34	5.34	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
193	5.34	5.34	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
194	5.34	5.34	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
195	5.34	5.34	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
196	5.34	5.34	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
197	5.34	5.34	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
198	5.34	5.34	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
199	5.34	5.34	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
200	5.34	5.34	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
201	5.34	5.34	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
202	5.34	5.34	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
203	5.34	5.34	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
204	5.34	5.34	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
205	5.34	5.34	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
206	5.34	5.34	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
207	5.34	5.34	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
208	5.34	5.34	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
209	5.34	5.34	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
210	5.34	5.34	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
211	5.34	5.34	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
212	5.34	5.34	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
213	5.34	5.34	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
214	5.34	5.34	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
215	5.34	5.34	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
216	5.34	5.34	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
217	5.34	5.34	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
218	5.34	5.34	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
219	5.34	5.34	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
220	5.34	5.34	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000	0.	0.	0.00	0.	0.000
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0.00 0. 0.000|
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0.00 0. 0.000|
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0.00 0. 0.000|
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0.00 0. 0.000|
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0.00 0. 0.000|
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0.00 0. 0.000|
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0.00 0. 0.000|
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0.00 0. 0.000|
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0.00 0. 0.000|
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277 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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280 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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281 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
282 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
283 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
284 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
285 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|

286 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
287 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
288 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
289 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
290 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
291 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
292 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
293 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
294 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
295 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
296 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
297 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
298 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
299 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
300 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
301 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
302 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
303 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
304 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
305 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
306 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
307 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
308 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
309 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
310 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
311 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
312 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
313 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
314 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
315 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
316 | 5.34 5.34| 62 0. 0.87 49. 0.004| 49 0. 0.68 38. 0.003| 46 0.
0.64 36. 0.003|
317 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|

318 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
319 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
320 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
321 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
322 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
323 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
324 | 5.34 5.34| 86 0. 1.21 67. 0.005| 41 0. 0.57 32. 0.002| 31 0.
0.44 24. 0.002|
325 | 5.34 5.34| 214 0. 3.00 167. 0.012| 148 0. 2.07 115. 0.009| 133 0.
1.86 104. 0.008|
326 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
327 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
328 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
329 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
330 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
331 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
332 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
333 | 5.34 5.34| 208 0. 2.91 162. 0.012| 146 0. 2.04 114. 0.008| 132 0.
1.84 103. 0.008|
334 | 5.34 5.34| 47 0. 0.65 36. 0.003| 11 0. 0.16 9. 0.001| 4 0.
0.06 3. 0.000|
335 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
336 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
337 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
338 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
339 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
340 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
341 | 5.34 5.34| 57 0. 0.80 45. 0.003| 18 0. 0.25 14. 0.001| 10 0.
0.13 7. 0.001|
342 | 5.34 5.34| 241 0. 3.37 188. 0.014| 170 0. 2.38 132. 0.010| 154 0.
2.15 120. 0.009|
343 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
344 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
345 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
346 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
347 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
348 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
349 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|

```
350  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
351  |  5.34  5.34|   105    0.  1.47   82. 0.006|    82    0.  1.15   64. 0.005|    78    0.
1.09   60. 0.005|
352  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
353  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
354  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
355  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
356  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
357  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
358  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
359  |  5.34  5.34|   220    0.  3.08  172. 0.013|   156    0.  2.18  122. 0.009|   141    0.
1.98  110. 0.008|
360  |  5.34  5.34|   349    0.  4.88  272. 0.020|   260    0.  3.64  203. 0.015|   239    0.
3.35  187. 0.014|
361  |  5.34  5.34|    15    0.  0.21   12. 0.001|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
362  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
363  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
364  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
365  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
366  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
367  |  5.34  5.34|    15    0.  0.21   12. 0.001|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
368  |  5.34  5.34|   337    0.  4.72  263. 0.020|   254    0.  3.55  198. 0.015|   234    0.
3.28  182. 0.014|
369  |  5.34  5.34|   179    0.  2.50  140. 0.010|   126    0.  1.76   98. 0.007|   114    0.
1.60   89. 0.007|
370  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
371  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
372  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
373  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
374  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
375  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
376  |  5.34  5.34|   193    0.  2.71  151. 0.011|   135    0.  1.89  105. 0.008|   122    0.
1.70   95. 0.007|
377  |  5.34  5.34|   375    0.  5.24  292. 0.022|   280    0.  3.92  219. 0.016|   258    0.
3.61  201. 0.015|
378  |  5.34  5.34|    32    0.  0.45   25. 0.002|     6    0.  0.08    5. 0.000|     1    0.
0.01    0. 0.000|
379  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
380  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
381  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
```

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382  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
383  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
384  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
385  |  5.34  5.34|    46    0.  0.64   36. 0.003|    37    0.  0.52   29. 0.002|    36    0.
0.50   28. 0.002|
386  |  5.34  5.34|   157    0.  2.20  123. 0.009|   113    0.  1.58   88. 0.007|   105    0.
1.47   82. 0.006|
387  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
388  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
389  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
390  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
391  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
392  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
393  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
394  |  5.34  5.34|   297    0.  4.15  231. 0.017|   223    0.  3.12  174. 0.013|   205    0.
2.87  160. 0.012|
395  |  5.34  5.34|   440    0.  6.16  343. 0.026|   334    0.  4.67  260. 0.019|   309    0.
4.32  241. 0.018|
396  |  5.34  5.34|    74    0.  1.03   57. 0.004|    49    0.  0.68   38. 0.003|    43    0.
0.61   34. 0.003|
397  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
398  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
399  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
400  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
401  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
402  |  5.34  5.34|    74    0.  1.04   58. 0.004|    52    0.  0.73   40. 0.003|    47    0.
0.66   37. 0.003|
403  |  5.34  5.34|   425    0.  5.94  331. 0.025|   325    0.  4.55  253. 0.019|   302    0.
4.22  235. 0.018|
404  |  5.34  5.34|   251    0.  3.51  195. 0.015|   188    0.  2.63  147. 0.011|   173    0.
2.43  135. 0.010|
405  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
406  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
407  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
408  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
409  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
410  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
411  |  5.34  5.34|   280    0.  3.91  218. 0.016|   208    0.  2.92  162. 0.012|   192    0.
2.68  150. 0.011|
412  |  5.34  5.34|   456    0.  6.38  356. 0.027|   346    0.  4.85  270. 0.020|   320    0.
4.48  250. 0.019|
413  |  5.34  5.34|    89    0.  1.24   69. 0.005|    58    0.  0.82   45. 0.003|    51    0.
0.72   40. 0.003|
```

414 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
415 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
416 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
417 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
418 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
419 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
420 | 5.34 5.34| 40 0. 0.56 31. 0.002| 34 0. 0.48 27. 0.002| 33 0.
0.47 26. 0.002|
596 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
597 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
598 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
599 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
600 | 5.34 5.34| 168 0. 0.59 53. 0.005| 144 0. 0.51 46. 0.004| 137 0.
0.48 43. 0.004|
601 | 5.34 5.34| 240 0. 0.84 76. 0.007| 216 0. 0.76 69. 0.006| 208 0.
0.73 66. 0.006|
602 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
603 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
604 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
605 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
606 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
607 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
608 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
609 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
610 | 5.34 5.34| 179 0. 0.63 57. 0.005| 159 0. 0.56 50. 0.005| 153 0.
0.54 48. 0.005|
611 | 5.34 5.34| 215 0. 0.75 68. 0.006| 194 0. 0.68 62. 0.006| 187 0.
0.66 59. 0.006|
612 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
613 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
614 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
615 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
616 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
617 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
618 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
619 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
620 | 5.34 5.34| 194 0. 0.68 61. 0.006| 173 0. 0.61 55. 0.005| 167 0.
0.58 53. 0.005|

621 | 5.34 5.34| 213 0. 0.75 68. 0.006| 191 0. 0.67 61. 0.006| 184 0.
0.64 58. 0.006|
622 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
623 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
624 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
625 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
626 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
627 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
628 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
629 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
630 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
631 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
632 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
633 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
634 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
635 | 5.34 5.34| 141 0. 0.49 45. 0.004| 114 0. 0.40 36. 0.003| 105 0.
0.37 33. 0.003|
636 | 5.34 5.34| 221 0. 0.77 70. 0.007| 192 0. 0.67 61. 0.006| 182 0.
0.64 58. 0.005|
637 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
638 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
639 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
640 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
641 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
642 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
643 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
644 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
645 | 5.34 5.34| 163 0. 0.57 52. 0.005| 139 0. 0.49 44. 0.004| 131 0.
0.46 42. 0.004|
646 | 5.34 5.34| 197 0. 0.69 62. 0.006| 171 0. 0.60 54. 0.005| 163 0.
0.57 52. 0.005|
647 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
648 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
649 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
650 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
651 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
652 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|

653 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
654 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
655 | 5.34 5.34| 185 0. 0.65 59. 0.006| 159 0. 0.56 50. 0.005| 151 0.
0.53 48. 0.005|
656 | 5.34 5.34| 203 0. 0.71 64. 0.006| 174 0. 0.61 55. 0.005| 166 0.
0.58 53. 0.005|
657 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
658 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
659 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
660 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
661 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
662 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
663 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
664 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
665 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
666 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
667 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
668 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
669 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
670 | 5.34 5.34| 63 0. 0.22 20. 0.002| 39 0. 0.14 12. 0.001| 31 0.
0.11 10. 0.001|
671 | 5.34 5.34| 132 0. 0.46 42. 0.004| 106 0. 0.37 34. 0.003| 98 0.
0.34 31. 0.003|
672 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
673 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
674 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
675 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
676 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
677 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
678 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
679 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
680 | 5.34 5.34| 84 0. 0.29 27. 0.003| 62 0. 0.22 20. 0.002| 56 0.
0.20 18. 0.002|
681 | 5.34 5.34| 112 0. 0.39 36. 0.003| 90 0. 0.31 28. 0.003| 83 0.
0.29 26. 0.002|
682 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
683 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
684 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|

685 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
686 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
687 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
688 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
689 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
690 | 5.34 5.34| 105 0. 0.37 33. 0.003| 82 0. 0.29 26. 0.002| 75 0.
0.26 24. 0.002|
691 | 5.34 5.34| 119 0. 0.42 38. 0.004| 95 0. 0.33 30. 0.003| 87 0.
0.31 28. 0.003|
692 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
693 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
694 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
695 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
696 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
697 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
698 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
699 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
700 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
701 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
702 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
703 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
704 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
705 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
706 | 5.34 5.34| 45 0. 0.16 14. 0.001| 25 0. 0.09 8. 0.001| 19 0.
0.06 6. 0.001|
707 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
708 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
709 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
710 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
711 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
712 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
713 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
714 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
715 | 5.34 5.34| 6 0. 0.02 2. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
716 | 5.34 5.34| 32 0. 0.11 10. 0.001| 15 0. 0.05 5. 0.000| 10 0.
0.03 3. 0.000|

```
717  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
718  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
719  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
720  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
721  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
722  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
723  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
724  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
725  |  5.34  5.34|    30    0.  0.10    9. 0.001|    11    0.  0.04    3. 0.000|     5    0.
0.02    2. 0.000|
726  |  5.34  5.34|    45    0.  0.16   14. 0.001|    24    0.  0.08    8. 0.001|    18    0.
0.06    6. 0.001|
727  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
728  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
729  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
730  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
731  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
732  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
733  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
734  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
735  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
736  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
737  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
738  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
739  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
740  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
741  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
742  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
743  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
744  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
745  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
746  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
747  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
748  |  5.34  5.34|    0.    0.  0.00    0. 0.000|    0.    0.  0.00    0. 0.000|    0.    0.
0.00    0. 0.000|
```

749 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
750 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
751 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
752 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
753 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
754 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
755 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
756 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
757 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
758 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
759 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
760 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
761 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
762 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
763 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
764 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
765 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
766 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
767 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
768 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
769 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
770 | 5.34 5.34| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|

ARMATURA SUPERIORE VERTICALE

| COMBINAZIONE RARA | COMBINAZIONE FREQUENTE | COMBINAZIONE QUASI PERMANENTE|
GUSCI| Af Afc | Mom Nor sigC sigF WkR | Mom Nor sigC sigF WkF | Mom Nor sigC sigF WkP |
176 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
177 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
178 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
179 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
180 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
181 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|

182 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
183 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
184 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
185 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
186 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
187 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
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0.00 0. 0.000|
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0.00 0. 0.000|
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0.00 0. 0.000|
191 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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192 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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193 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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194 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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195 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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196 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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197 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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198 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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199 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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200 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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201 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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202 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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203 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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204 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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205 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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211 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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213 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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214 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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250 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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251 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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252 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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254 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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275 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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277 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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286 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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299 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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300 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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301 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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302 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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303 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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304 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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305 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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306 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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307 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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308 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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309 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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310 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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311 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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312 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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313 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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315 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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317 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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351 | 5.25 5.24| 52 0. 0.73 41. 0.003| 5 0. 0.07 4. 0.000| 0. 0.
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635 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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636 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
637 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
638 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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639 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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640 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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641 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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642 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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643 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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644 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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645 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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646 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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647 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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648 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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649 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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650 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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651 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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652 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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653 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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654 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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655 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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656 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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657 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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658 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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659 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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660 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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661 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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662 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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663 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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664 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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665 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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666 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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667 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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668 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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669 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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670 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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671 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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672 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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673 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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674 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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675 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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676 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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677 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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678 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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679 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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680 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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681 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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682 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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683 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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684 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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685 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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686 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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687 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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688 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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689 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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690 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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691 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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692 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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693 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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694 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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695 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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696 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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697 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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698 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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699 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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700 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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701 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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702 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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703 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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704 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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705 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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706 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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707 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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708 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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709 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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710 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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711 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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712 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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713 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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714 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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715 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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716 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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717 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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718 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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719 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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720 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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721 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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722 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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723 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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724 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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725 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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726 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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727 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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728 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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729 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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730 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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731 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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732 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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733 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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734 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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735 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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736 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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737 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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738 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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739 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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740 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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741 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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742 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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743 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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744 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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745 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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746 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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747 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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748 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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749 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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750 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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751 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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752 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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753 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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754 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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755 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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756 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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757 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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758 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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759 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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760 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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761 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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762 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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763 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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764 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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765 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
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766 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
767 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
768 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
769 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|
770 | 5.25 5.24| 0. 0. 0.00 0. 0.000| 0. 0. 0.00 0. 0.000| 0. 0.
0.00 0. 0.000|

VERIFICA PILASTRI:

VERIFICA PILASTRO IN CEMENTO ARMATO

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Nome pilastro      : P001  (ID=1)
Metodo di verifica : stati limite - NTC08 (q=3.12)
Duttilita'         : bassa senza 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= 4 ; staffe= 3
```

MATERIALI

```
CLS    : C25/30; Rck=300; fck=249; fctk=17.91; fctm=25.58; Ecm=314472;
         gc=1.5; fcd=141.1; fbd=26.86; fctd=11.94; 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

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GRUPPO : ordinario.
CLS    : Scls(rara)=149.4; Scls(quasi permanente)=112; fbd(esercizio)=26.86
ACCIAIO: Sacc(rara)=3600; Coeff.Omogein.=15
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SEZIONI UTILIZZATE

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 1) Circolare: diametro=26; Acls=529.13; iy=6.49; iz=6.49
```

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	ez	ey	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	460.	460.	77.	77.	9.05	1.71	8Ø12

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU SENZA SISMA	SLU (statico)	1
3	Rara	RARA	1
4	Frequente	FREQUENTE	1
5	Quasi Perm	QUASI PERMAN.	1

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd	MEzd	E cls	Scls	E acc	Sacc	VE
> 1	1- 1	-2465.	75914.	1.07	7325.	1.07	-.046	-57.2	.053	1103.5	SI
1	1- 1	-2068.	9271.	1.07	-7613.	1.07	-.006	-7.9	.001	24.6	SI
1	1- 1	-1672.	-57371.	1.07	-22551.	1.07	-.034	-43.4	.042	882.7	SI

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7.2]:

Asta	Caso	NEd	NB	fi eff	Jn	Jcls/Jn	MEd/MOEd	nu
1 inf	1- 1	-2465.2	-36126.4	3.	2463.	9.0459	1.0732	.033

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7.2]:

Asta	Caso	NEd	NB	fi eff	Jn	Jcls/Jn	MEd/MOEd	nu
1 inf	1- 1	-2465.2	-36126.4	3.	2463.	9.0459	1.0732	.033

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 inf	1- 1	-60.5	13399.2	61816.1	13399.2	1.01	9.	1.	SI
1 cen	1- 1	-60.5	6181.6	6181.6	9193.3	1.01	14.	2.5	SI
1 sup	1- 1	-60.5	13261.3	61816.1	13261.3	1.01	9.	1.	SI

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1	inf	1- 1	270.	13399.2	61816.1	13399.2	1.01	9.	1.	SI
1	cen	1- 1	270.	6181.6	6181.6	9193.3	1.01	14.	2.5	SI
1	sup	1- 1	270.	13261.3	61816.1	13261.3	1.01	9.	1.	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	sollecitazioni assenti					

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

RARE:

Asta	Caso	NEd	MEyd	MEzd	Scls	Sacc	VE
1	inf	3- 1	-1834.7	53784.4	4975.7	-43.7	758.6	SI
1	cen	3- 1	-1529.4	6516.8	-5217.2	-5.6	12.7	SI
1	sup	3- 1	-1224.1	-40750.9	-15410.1	-32.5	614.	SI

FREQUENTI:

Asta	Caso	NEd	MEyd	MEzd	Scls	Sacc	VE
1	inf	4- 1	-1498.9	52224.6	3548.	-42.5	770.1	SI
1	cen	4- 1	-1193.6	6065.9	-3915.2	-5.	16.4	SI
1	sup	4- 1	-888.3	-40092.7	-11378.3	-32.3	633.9	SI

QUASI PERMANENTI:

Asta	Caso	NEd	MEyd	MEzd	Scls	Sacc	VE
1	inf	5- 1	-1417.6	51532.3	3191.6	-42.	767.2	SI
1	cen	5- 1	-1112.3	5913.9	-3599.7	-4.8	17.1	SI
1	sup	5- 1	-807.	-39704.5	-10391.	-32.	635.	SI

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P002 (ID=2)
Metodo di verifica : stati limite - NTC08 (q=3.12)
Duttilita' : bassa senza 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= 4 ; staffe= 3

MATERIALI

CLS : C25/30; Rck=300; fck=249; fctk=17.91; fctm=25.58; Ecm=314472;
gc=1.5; fcd=141.1; fbd=26.86; fctd=11.94; 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 : ordinario.
CLS : Scls(rara)=149.4; Scls(quasi permanente)=112; fbd(esercizio)=26.86
ACCIAIO: Sacc(rara)=3600; Coeff.Omogein.=15

SEZIONI UTILIZZATE

1) Circolare: diametro=26; Acls=529.13; iy=6.49; iz=6.49

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	ez	ey	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	460.	460.	77.	77.	9.05	1.71	8Ø12

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU SENZA SISMA	SLU (statico)	1
3	Rara	RARA	1
4	Frequente	FREQUENTE	1
5	Quasi Perm	QUASI PERMAN.	1

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd	MEzd	E cls	Scls	E acc	Sacc	VE
> 1	1- 1	-4282.	81998.	-9709.	5.78	-.049	-61.1	.048	1006.3	SI
1	1- 1	-3885.	8739.	851.	1.13	-.007	-10.	-.002	-45.6	SI
1	1- 1	-3488.	-64519.	7909.	2.49	-.038	-49.	.037	774.2	SI

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7.2]:

Asta	Caso	NEd	NB	fi eff	Jn	Jcls/Jn	MEd/MOEd	nu
1 inf	1- 1	-4281.8	-36298.7	3.	2474.7	9.0029	1.1337	.057

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7.2]:

Asta	Caso	NEd	NB	fi eff	Jn	Jcls/Jn	MEd/MOEd	nu
1 inf	1- 1	-4281.8	-36298.7	3.	2474.7	9.0029	1.1337	.057

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 inf	1- 1	10.6	13714.8	61816.1	13714.8	1.01	9.	1.	SI
1 cen	1- 1	10.6	6181.6	6181.6	9410.9	1.01	14.	2.5	SI
1 sup	1- 1	10.6	13576.9	61816.1	13576.9	1.01	9.	1.	SI

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 inf	1- 1	280.9	13714.8	61816.1	13714.8	1.01	9.	1.	SI
1 cen	1- 1	280.9	6181.6	6181.6	9410.9	1.01	14.	2.5	SI
1 sup	1- 1	280.9	13576.9	61816.1	13576.9	1.01	9.	1.	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	sollecitazioni assenti					

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

RARE:

Asta	Caso	NEd	MEyd	MEzd	Scls	Sacc	VE
1 inf	3- 1	-3171.9	55005.4	-1259.	-44.2	622.7	SI
1 cen	3- 1	-2866.6	5806.9	549.3	-7.1	-37.	SI
1 sup	3- 1	-2561.4	-43391.7	2357.6	-34.9	485.	SI

FREQUENTI:

Asta	Caso	NEd	MEyd	MEzd	Scls	Sacc	VE
1 inf	4- 1	-2512.5	53526.3	-1076.1	-43.3	671.8	SI
1 cen	4- 1	-2207.2	5365.	392.7	-5.9	-24.1	SI
1 sup	4- 1	-1901.9	-42796.3	1861.5	-34.7	549.9	SI

QUASI PERMANENTI:

Asta	Caso	NEd	MEyd	MEzd	Scls	Sacc	VE
1 inf	5- 1	-2352.2	52836.8	-1032.3	-42.8	678.1	SI
1 cen	5- 1	-2046.9	5218.8	355.1	-5.6	-21.1	SI
1 sup	5- 1	-1741.7	-42399.1	1742.5	-34.4	561.6	SI

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro   : P003 (ID=3)
Metodo di verifica : stati limite - NTC08 (q=3.12)
Duttilita'   : bassa senza 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= 4 ; staffe= 3

MATERIALI

CLS   : C25/30; Rck=300; fck=249; fctk=17.91; fctm=25.58; Ecm=314472;
         gc=1.5; fcd=141.1; fbd=26.86; fctd=11.94; 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 : ordinario.
CLS   : Scls(rara)=149.4; Scls(quasi permanente)=112; fbd(esercizio)=26.86
ACCIAIO: Sacc(rara)=3600; Coeff.Omogein.=15

SEZIONI UTILIZZATE

 1) Circolare: diametro=26; Acls=529.13; iy=6.49; iz=6.49

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As Se	ez | ey	Lassi Lnet	Lcr.I Lcr.S	Af	% arm	
1 1	2. | 2.	460. 460.	77. 77.	9.05	1.71	8Ø12

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU SENZA SISMA	SLU (statico)	1
3	Rara	RARA	1
4	Frequente	FREQUENTE	1
5	Quasi Perm	QUASI PERMAN.	1

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd	MEzd	E cls	Scls	E acc	Sacc	VE
> 1	1- 1	-4133.	81166. | 1.13	-9329. | 18.6	-.049	-60.5	.048	1007.5	SI
1	1- 1	-3736.	8794. | 1.13	-330. | 1.13	-.007	-9.8	-.002	-42.	SI
1	1- 1	-3340.	-63579. | 1.13	-7538. | 90.7	-.038	-48.3	.037	773.5	SI

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7.2]:

Asta	Caso	NEd	NB	fi eff	Jn	Jcls/Jn	MEd/MOEd	nu	
1 inf	1- 1	-4133.2	-36284.6	3.	2473.8	9.0064	1.1286	.055	

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7.2]:

Asta	Caso	NEd	NB	fi eff	Jn	Jcls/Jn	MEd/MOEd	nu	
1 inf	1- 1	-4133.2	-36284.6	3.	2473.8	9.0064	1.1286	.055	

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 inf	1- 1	.9	13689.	61816.1	13689.	1.01	9.	1.	SI
1 cen	1- 1	.9	6181.6	6181.6	9393.1	1.01	14.	2.5	SI
1 sup	1- 1	.9	13551.1	61816.1	13551.1	1.01	9.	1.	SI

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 inf	1- 1	278.8	13689.	61816.1	13689.	1.01	9.	1.	SI
1 cen	1- 1	278.8	6181.6	6181.6	9393.1	1.01	14.	2.5	SI

```
 1|sup|  1- 1|   278.8| 13551.1| 61816.1| 13551.1| 1.01| 9. |1.  |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|sollecitazioni assenti
```

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

```
RARE:
Asta  | Caso |  NEd     |  MEyd    |  MEzd    | Scls | Sacc  |VE|
 1|inf|  3- 1|   -3063.1|   54696.2|    -396.4| -44. |  629.4|SI|
 1|cen|  3- 1|   -2757.8|    5867.5|    -215.1|  -7. |  -34.2|SI|
 1|sup|  3- 1|   -2452.5|  -42961.2|     -33.9| -34.6|  489.1|SI|

FREQUENTI:
Asta  | Caso |  NEd     |  MEyd    |  MEzd    | Scls | Sacc  |VE|
 1|inf|  4- 1|   -2433.3|   53234.8|    -452.8| -43.1|  675.7|SI|
 1|cen|  4- 1|   -2128. |    5405.5|    -160.6|  -5.8|  -22.1|SI|
 1|sup|  4- 1|   -1822.7|  -42423.8|     131.6| -34.4|  552.2|SI|

QUASI PERMANENTI:
Asta  | Caso |  NEd     |  MEyd    |  MEzd    | Scls | Sacc  |VE|
 1|inf|  5- 1|   -2280.2|   52548.7|    -466.4| -42.6|  681.3|SI|
 1|cen|  5- 1|   -1974.9|    5254.5|    -147.5|  -5.5|  -19.3|SI|
 1|sup|  5- 1|   -1669.6|  -42039.7|     171.3| -34.1|  563.3|SI|
```

VERIFICA PILASTRO IN CEMENTO ARMATO

```
Nome pilastro      : P004  (ID=4)
Metodo di verifica : stati limite - NTC08 (q=3.12)
Duttilita'         : bassa senza 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= 4 ; staffe= 3
```

MATERIALI

```
CLS    : C25/30; Rck=300; fck=249; fctk=17.91; fctm=25.58; Ecm=314472;
         gc=1.5; fcd=141.1; fbd=26.86; fctd=11.94; 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 : ordinario.
CLS    : Scls(rara)=149.4; Scls(quasi permanente)=112; fbd(esercizio)=26.86
ACCIAIO: Sacc(rara)=3600; Coeff.Omogein.=15
```

SEZIONI UTILIZZATE

```
 1) Circolare: diametro=26; Acls=529.13; iy=6.49; iz=6.49
```

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

```
As Se| ez | ey |Lassi Lnet  Lcr.I Lcr.S| Af    % arm                          |
 1| 1|2.  |2.  |460. |460. | 77. | 77. |  9.05| 1.71 |8Ø12                    |
```

CASI DI CARICO

```
Nome|   Descrizione       |Tipo          |Ses|
   1|SLU SENZA SISMA      |SLU (statico) |  1|
   3|Rara                 |RARA          |  1|
   4|Frequente            |FREQUENTE     |  1|
```

```
   5|Quasi Perm           |QUASI PERMAN. |  1|
```

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd	MEzd	E cls	Scls	E acc	Sacc	VE
> 1	1- 1	-4297.	81082.	-9749.	147	-.049	-60.4	.047	987.8	SI
1	1- 1	-3900.	8714.	-422.	1.13	-.007	-10.	-.002	-46.1	SI
1	1- 1	-3504.	-63653.	-7948.	11.7	-.038	-48.3	.036	756.7	SI

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7.2]:

Asta	Caso	NEd	NB	fi eff	Jn	Jcls/Jn	MEd/MOEd	nu
1|inf	1- 1	-4297.3	-36300.2	3.	2474.8	9.0026	1.1343	.058

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7.2]:

Asta	Caso	NEd	NB	fi eff	Jn	Jcls/Jn	MEd/MOEd	nu
1|inf	1- 1	-4297.3	-36300.2	3.	2474.8	9.0026	1.1343	.058

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1|inf	1- 1	-1.3	13717.5	61816.1	13717.5	1.01	9.	1.	SI
1|cen	1- 1	-1.3	6181.6	6181.6	9412.8	1.01	14.	2.5	SI
1|sup	1- 1	-1.3	13579.6	61816.1	13579.6	1.01	9.	1.	SI

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1|inf	1- 1	277.4	13717.5	61816.1	13717.5	1.01	9.	1.	SI
1|cen	1- 1	277.4	6181.6	6181.6	9412.8	1.01	14.	2.5	SI
1|sup	1- 1	277.4	13579.6	61816.1	13579.6	1.01	9.	1.	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|	sollecitazioni assenti					

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

RARE:

Asta	Caso	NEd	MEyd	MEzd	Scls	Sacc	VE
1|inf	3- 1	-3183.9	54359.1	-63.5	-43.7	609.7	SI
1|cen	3- 1	-2878.6	5787.8	-276.4	-7.1	-37.3	SI
1|sup	3- 1	-2573.3	-42783.5	-489.4	-34.4	472.4	SI

FREQUENTI:

Asta	Caso	NEd	MEyd	MEzd	Scls	Sacc	VE
1|inf	4- 1	-2524.6	52888.2	-135.	-42.8	658.8	SI
1|cen	4- 1	-2219.4	5348.8	-223.5	-5.9	-24.4	SI
1|sup	4- 1	-1914.1	-42190.6	-312.1	-34.2	537.2	SI

QUASI PERMANENTI:

Asta	Caso	NEd	MEyd	MEzd	Scls	Sacc	VE
1|inf	5- 1	-2364.5	52200.5	-151.6	-42.3	665.1	SI
1|cen	5- 1	-2059.2	5203.4	-210.5	-5.6	-21.5	SI
1|sup	5- 1	-1753.9	-41793.6	-269.3	-33.9	548.9	SI

VERIFICA PILASTRO IN CEMENTO ARMATO

```
Nome pilastro      : P005  (ID=5)
Metodo di verifica : stati limite - NTC08 (q=3.12)
Duttilita'         : bassa senza 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= 4 ; staffe= 3

MATERIALI

```
CLS    : C25/30; Rck=300; fck=249; fctk=17.91; fctm=25.58; Ecm=314472;
         gc=1.5; fcd=141.1; fbd=26.86; fctd=11.94; 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 : ordinario.
CLS    : Scls(rara)=149.4; Scls(quasi permanente)=112; fbd(esercizio)=26.86
ACCIAIO: Sacc(rara)=3600; Coeff.Omogein.=15
```

SEZIONI UTILIZZATE

```
 1) Circolare: diametro=26; Acls=529.13; iy=6.49; iz=6.49
```

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	ez	ey	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	460.	460.	77.	77.	9.05	1.71	8Ø12

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU SENZA SISMA	SLU (statico)	1
3	Rara	RARA	1
4	Frequente	FREQUENTE	1
5	Quasi Perm	QUASI PERMAN.	1

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd	MEzd	E cls	Scls	E acc	Sacc	VE
> 1	1- 1	-2273.	73585.	-8169.	1.07	-.044	-55.6	.052	1083.9	SI
1	1- 1	-1876.	9376.	8467.	1.07	-.006	-7.9	.002	42.2	SI
1	1- 1	-1479.	-54833.	25104.	1.07	-.032	-41.3	.042	886.4	SI

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7.2]:

Asta	Caso	NEd	NB	fi eff	Jn	Jcls/Jn	MEd/MOEd	nu	
1 inf	1- 1	-2273.2	-36108.1	3.	2461.7	9.0505	1.0672	.03	

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7.2]:

Asta	Caso	NEd	NB	fi eff	Jn	Jcls/Jn	MEd/MOEd	nu	
1 inf	1- 1	-2273.2	-36108.1	3.	2461.7	9.0505	1.0672	.03	

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 inf	1- 1	67.8	13365.8	61816.1	13365.8	1.01	9.	1.	SI
1 cen	1- 1	67.8	6181.6	6181.6	9170.3	1.01	14.	2.5	SI
1 sup	1- 1	67.8	13227.9	61816.1	13227.9	1.01	9.	1.	SI

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 inf	1- 1	261.6	13365.8	61816.1	13365.8	1.01	9.	1.	SI
1 cen	1- 1	261.6	6181.6	6181.6	9170.3	1.01	14.	2.5	SI
1 sup	1- 1	261.6	13227.9	61816.1	13227.9	1.01	9.	1.	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	sollecitazioni assenti					

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

RARE:

Asta	Caso	NEd	MEyd	MEzd	Scls	Sacc	VE
1	inf	3- 1	-1694.	52412.6	-5595.5	-42.6	751.1	SI
1	cen	3- 1	-1388.7	6634.6	5834.1	-5.6	24.8	SI
1	sup	3- 1	-1083.5	-39143.4	17263.7	-31.	615.7	SI

FREQUENTI:

Asta	Caso	NEd	MEyd	MEzd	Scls	Sacc	VE
1	inf	4- 1	-1396.6	50809.5	-4070.6	-41.4	757.1	SI
1	cen	4- 1	-1091.3	6217.1	4365.2	-5.1	26.8	SI
1	sup	4- 1	-786.1	-38375.3	12801.	-30.7	618.4	SI

QUASI PERMANENTI:

Asta	Caso	NEd	MEyd	MEzd	Scls	Sacc	VE
1	inf	5- 1	-1324.7	50112.6	-3690.8	-40.8	753.	SI
1	cen	5- 1	-1019.4	6071.9	4009.8	-4.9	27.1	SI
1	sup	5- 1	-714.1	-37968.8	11710.4	-30.5	617.6	SI

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P011 (ID=1)
Metodo di verifica : stati limite - NTC08 (q=3.12)
Duttilita' : bassa senza 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= 4 ; staffe= 3

MATERIALI

CLS : C25/30; Rck=300; fck=249; fctk=17.91; fctm=25.58; Ecm=314472;
gc=1.5; fcd=141.1; fbd=26.86; fctd=11.94; 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 : ordinario.
CLS : Scls(rara)=149.4; Scls(quasi permanente)=112; fbd(esercizio)=26.86
ACCIAIO: Sacc(rara)=3600; Coeff.Omogein.=15

SEZIONI UTILIZZATE

1) Circolare: diametro=26; Acls=529.13; iy=6.49; iz=6.49

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	ez	ey	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	460.	460.	77.	77.	9.05	1.71	8Ø12

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU SENZA SISMA	SLU (statico)	1
4	SLU con SISMAX	SLU (sismico)	4
5	SLU con SISMAY	SLU (sismico)	4
7	Rara	RARA	1
8	Frequente	FREQUENTE	1
9	Quasi Perm	QUASI PERMAN.	1

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd		MEzd		E cls	Scls	E acc	Sacc	VE
> 1	1- 1	-2020.	63060.	1.06	4279.	2.52	-.038	-48.3	.044	916.	SI
1	1- 1	-1623.	23204.	1.06	-1917.	1.06	-.013	-18.2	.011	233.4	SI
1	5- 3	-485.	-31876.	1.03	-2611.	1.03	-.019	-25.3	.025	525.8	SI

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7.2]:

Asta	Caso	NEd	NB	fi eff	Jn	Jcls/Jn	MEd/MOEd	nu
1|inf	1- 1	-2019.8	-36084.1	3.	2460.1	9.0565	1.0593	.027

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7.2]:

Asta	Caso	NEd	NB	fi eff	Jn	Jcls/Jn	MEd/MOEd	nu
1|inf	1- 1	-2019.8	-36084.1	3.	2460.1	9.0565	1.0593	.027

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1|inf	4- 2	-126.1	13263.3	61816.1	13263.3	1.01	9.	1.	SI
1|cen	4- 2	-126.1	6181.6	6181.6	9110.5	1.01	14.	2.5	SI
1|sup	4- 2	-126.1	13157.2	61816.1	13157.2	1.01	9.	1.	SI

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1|inf	5- 3	195.5	13161.2	61816.1	13161.2	1.01	9.	1.	SI
1|cen	5- 3	195.5	6181.6	6181.6	9040.1	1.01	14.	2.5	SI
1|sup	5- 3	195.5	13055.1	61816.1	13055.1	1.01	9.	1.	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	4- 2	-1683.	-48528.8	-74659.8	2.25	SI

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

RARE:

Asta	Caso	NEd	MEyd	MEzd	Scls	Sacc	VE
1|inf	7- 1	-1521.6	44155.6	1242.7	-35.9	619.6	SI
1|cen	7- 1	-1216.3	16286.9	-1350.4	-13.	154.6	SI
1|sup	7- 1	-911.	-11581.7	-3943.4	-9.2	110.3	SI

FREQUENTI:

Asta	Caso	NEd	MEyd	MEzd	Scls	Sacc	VE
1|inf	8- 1	-1327.4	39998.2	896.7	-32.5	567.4	SI
1|cen	8- 1	-1022.1	13994.8	-1077.	-11.2	135.2	SI
1|sup	8- 1	-716.8	-12008.6	-3050.6	-9.6	136.3	SI

QUASI PERMANENTI:

Asta	Caso	NEd	MEyd	MEzd	Scls	Sacc	VE
1|inf	9- 1	-1284.5	38041.2	814.4	-30.9	537.	SI
1|cen	9- 1	-979.2	13284.8	-1020.6	-10.6	127.4	SI
1|sup	9- 1	-673.9	-11471.6	-2855.6	-9.2	131.3	SI

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P002 (ID=2)
Metodo di verifica : stati limite - NTC08 (q=3.12)
Duttilita' : bassa senza 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= 4 ; staffe= 3

MATERIALI

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CLS    : C25/30; Rck=300; fck=249; fctk=17.91; fctm=25.58; Ecm=314472;
         gc=1.5; fcd=141.1; fbd=26.86; fctd=11.94; 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

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GRUPPO : ordinario.
CLS    : Scls(rara)=149.4; Scls(quasi permanente)=112; fbd(esercizio)=26.86
ACCIAIO: Sacc(rara)=3600; Coeff.Omogein.=15
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SEZIONI UTILIZZATE

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 1) Circolare: diametro=26; Acls=529.13; iy=6.49; iz=6.49
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DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	ez	ey	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	460.	460.	77.	77.	9.05	1.71	8Ø12

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU SENZA SISMA	SLU (statico)	1
4	SLU con SISMAX	SLU (sismico)	4
5	SLU con SISMAY	SLU (sismico)	4
7	Rara	RARA	1
8	Frequente	FREQUENTE	1
9	Quasi Perm	QUASI PERMAN.	1

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd	MEzd	E cls	Scls	E acc	Sacc	VE
> 1	1- 1	-2019.	63068.	-4278.	2.46	-.038	-48.3	.044	916.2	SI
1	1- 1	-1622.	23203.	1916.	1.06	-.013	-18.2	.011	233.5	SI
1	5- 1	-486.	-31777.	2652.	1.03	-.019	-25.2	.025	523.9	SI

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7.2]:

Asta	Caso	NEd	NB	fi eff	Jn	Jcls/Jn	MEd/MOEd	nu
1 inf	1- 1	-2019.3	-36084.1	3.	2460.1	9.0565	1.0593	.027

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7.2]:

Asta	Caso	NEd	NB	fi eff	Jn	Jcls/Jn	MEd/MOEd	nu
1 inf	1- 1	-2019.3	-36084.1	3.	2460.1	9.0565	1.0593	.027

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 inf	4- 3	126.2	13263.2	61816.1	13263.2	1.01	9.	1.	SI
1 cen	4- 3	126.2	6181.6	6181.6	9110.5	1.01	14.	2.5	SI
1 sup	4- 3	126.2	13157.2	61816.1	13157.2	1.01	9.	1.	SI

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 inf	5- 1	195.1	13161.4	61816.1	13161.4	1.01	9.	1.	SI
1 cen	5- 1	195.1	6181.6	6181.6	9040.2	1.01	14.	2.5	SI
1 sup	5- 1	195.1	13055.3	61816.1	13055.3	1.01	9.	1.	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	4- 3	-1682.7	-48528.8	-74659.8	2.25	SI

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

RARE:

Asta	Caso	NEd	MEyd	MEzd	Scls	Sacc	VE
1	inf	7- 1	-1521.2	44162.1	-1272.1	-35.9	619.8	SI
1	cen	7- 1	-1215.9	16286.9	1349.9	-13.	154.7	SI
1	sup	7- 1	-910.6	-11588.4	3972.	-9.2	110.5	SI

FREQUENTI:

Asta	Caso	NEd	MEyd	MEzd	Scls	Sacc	VE
1	inf	8- 1	-1327.1	40003.9	-922.4	-32.6	567.5	SI
1	cen	8- 1	-1021.8	13994.8	1076.5	-11.2	135.3	SI
1	sup	8- 1	-716.5	-12014.3	3075.5	-9.6	136.5	SI

QUASI PERMANENTI:

Asta	Caso	NEd	MEyd	MEzd	Scls	Sacc	VE
1	inf	9- 1	-1284.2	38046.6	-839.1	-31.	537.1	SI
1	cen	9- 1	-978.9	13284.8	1020.2	-10.6	127.5	SI
1	sup	9- 1	-673.6	-11477.1	2879.4	-9.2	131.5	SI