

BAB V

KESIMPULAN DAN SARAN

V.1 Kesimpulan

Hasil pembahasan seluruh model struktur dengan tinggi dinding geser 0 % sampai dengan 100 % dari tinggi total struktur yang meliputi waktu getar struktur, defleksi, *base shear reaction* dan *base moment reaction*, gaya geser kolom dan balok, dan momen kolom dan balok dapat disimpulkan beberapa hal sebagai berikut ini.

1. Analisis respon spektrum dari seluruh model menghasilkan waktu getar struktur terbesar pada waktu getar alaminya, yaitu pada *mode shape 1st*. Waktu getar alami terkecil terjadi pada model struktur dengan tinggi dinding geser 80 % dari tinggi total struktur.
2. Defleksi rata-rata terendah untuk arah sumbu global X dan Y terjadi pada struktur dengan tinggi dinding geser 80 % dari tinggi total struktur. Untuk arah sumbu Z, pengaruh tinggi dinding geser yang efektif hanya sampai pada struktur dengan tinggi dinding geser 80 %, selebihnya tidak menunjukkan pengaruh yang berarti.
3. Dengan asumsi berat struktur yang tidak berubah atau tidak dipengaruhi perubahan berat dari berubahnya tinggi dinding geser maka didapat *base shear reaction* dan *base moment reaction* yang sama. Jika dengan asumsi berat struktur bertambah sejalan dengan bertambahnya tinggi dinding

geser maka didapat *base shear reaction* dan *base moment reaction* yang bertambah besar. Dengan kata lain *base shear reaction* dan *base moment reaction* lebih tergantung pada berat dan massa struktur.

4. Adanya dinding geser menyebabkan penurunan gaya geser pada kolom-kolom selain kolom tengah portal yang berhimpit dengan dinding geser. Pada kolom-kolom yang berhimpit dengan dinding geser justru mengalami kenaikan.
5. Struktur dengan tinggi dinding geser 80 % dari tinggi total struktur adalah tinggi efektif dalam menurunkan gaya geser kolom, karena dinding geser yang ada berfungsi dengan baik pada tingkat-tingkat bawah sampai dengan tingkat-tingkat atas. Pada tingkat-tingkat atas yang tidak berdinding geser, gaya geser kolomnya tidak berbeda jauh dengan struktur yang memakai dinding geser penuh sehingga pemakaian dinding geser pada tingkat-tingkat atas tidak akan efektif.
6. Jika ditinjau dari momen kolomnya, pemakaian dinding geser yang efektif hanya pada struktur dengan tinggi dinding geser 70 % sampai dengan 90 % dari tinggi total struktur. Pada ketinggian tersebut, dinding geser berfungsi efektif di semua tingkat struktur.
7. Gaya geser balok dan momen balok mengalami penurunan dengan bertambahnya tinggi dinding geser. Selain mempunyai ketahanan geser yang besar terhadap gaya lateral, dinding geser juga mempunyai ketahanan geser yang besar terhadap gaya vertikal.

Secara keseluruhan dari hasil rekapitulasi pembahasan tersebut dapat disimpulkan bahwa pada sistem struktur portal – dinding geser yang berdinding geser penuh, ternyata dinding geser yang berada di tingkat-tingkat atas struktur tidak lagi berfungsi efektif terhadap struktur. Dinding geser akan lebih efektif jika hanya dibatasi sampai pada ketinggian 80 % dari tinggi total struktur.

V.2 Saran

Saran yang dapat diajukan dari hasil kesimpulan yang telah dikemukakan adalah sebagai berikut ini.

1. Penggunaan dinding geser untuk menahan beban gempa sebaiknya dibatasi hanya sampai pada ketinggian 80 % dari tinggi total struktur.
2. Perlu adanya penelitian lebih lanjut dengan bentuk struktur dan bentuk dinding geser yang berbeda, letak dinding geser yang berbeda, atau dimensi dinding geser yang berbeda.

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LISTING PROGRAM SAP-90

BATAVIA CITY TA - 08531/TSS
 C Units are kN METERS

SYSTEM
 L=4 V=30

JOINT

C ===== DUKUNGAN JEPIT DASAR =====

1	X=14	Y=0	Z=0
2	X=17.6	Y=0	Z=0
3	X=21.2	Y=0	Z=0
4	X=28.4	Y=0	Z=0
5	X=35.6	Y=0	Z=0
6	X=42.8	Y=0	Z=0
7	X=46.4	Y=0	Z=0
8	X=50	Y=0	Z=0
9	X=3	Y=3.6	Z=0
10	X=14	Y=3.6	Z=0
11	X=50	Y=3.6	Z=0
12	X=61	Y=3.6	Z=0
13	X=3	Y=7.2	Z=0
14	X=14	Y=7.2	Z=0
15	X=21.2	Y=7.2	Z=0
16	X=28.4	Y=7.2	Z=0
17	X=35.6	Y=7.2	Z=0
18	X=42.8	Y=7.2	Z=0
19	X=50	Y=7.2	Z=0
20	X=61	Y=7.2	Z=0
21	X=21.2	Y=10.8	Z=0
22	X=25.2	Y=10.8	Z=0
23	X=26.9	Y=10.8	Z=0
24	X=28.4	Y=10.8	Z=0
25	X=29.9	Y=10.8	Z=0
26	X=34.1	Y=10.8	Z=0
27	X=35.6	Y=10.8	Z=0
28	X=37.1	Y=10.8	Z=0
29	X=38.8	Y=10.8	Z=0
30	X=42.8	Y=10.8	Z=0
31	X=0	Y=14.4	Z=0
32	X=3	Y=14.4	Z=0
33	X=14	Y=14.4	Z=0
34	X=21.2	Y=14.4	Z=0
35	X=26.9	Y=14.4	Z=0
36	X=37.1	Y=14.4	Z=0
37	X=42.8	Y=14.4	Z=0
38	X=50	Y=14.4	Z=0
39	X=61	Y=14.4	Z=0
40	X=64	Y=14.4	Z=0
41	X=0	Y=21.6	Z=0
42	X=3	Y=21.6	Z=0
43	X=14	Y=21.6	Z=0
44	X=21.2	Y=21.6	Z=0
45	X=26.9	Y=21.6	Z=0
46	X=37.1	Y=21.6	Z=0
47	X=42.8	Y=21.6	Z=0
48	X=50	Y=21.6	Z=0
49	X=61	Y=21.6	Z=0
50	X=64	Y=21.6	Z=0
51	X=21.2	Y=25.2	Z=0
52	X=25.2	Y=25.2	Z=0
53	X=26.9	Y=25.2	Z=0
54	X=28.4	Y=25.2	Z=0
55	X=29.9	Y=25.2	Z=0
56	X=34.1	Y=25.2	Z=0
57	X=35.6	Y=25.2	Z=0
58	X=37.1	Y=25.2	Z=0
59	X=38.8	Y=25.2	Z=0
60	X=42.8	Y=25.2	Z=0
61	X=3	Y=28.8	Z=0
62	X=14	Y=28.8	Z=0
63	X=21.2	Y=28.8	Z=0
64	X=28.4	Y=28.8	Z=0
65	X=35.6	Y=28.8	Z=0
66	X=42.8	Y=28.8	Z=0
67	X=50	Y=28.8	Z=0

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68 X=61      Y=28.8  Z=0
69 X=3       Y=32.4  Z=0
70 X=14      Y=32.4  Z=0
71 X=50      Y=32.4  Z=0
72 X=61      Y=32.4  Z=0
73 X=14      Y=36     Z=0
74 X=17.6    Y=36     Z=0
75 X=21.2    Y=36     Z=0
76 X=28.4    Y=36     Z=0
77 X=35.6    Y=36     Z=0
78 X=42.8    Y=36     Z=0
79 X=46.4    Y=36     Z=0
80 X=50      Y=36     Z=0
81 X=17.6    Y=47     Z=0
82 X=21.2    Y=47     Z=0
83 X=28.4    Y=47     Z=0
84 X=35.6    Y=47     Z=0
85 X=42.8    Y=47     Z=0
86 X=46.4    Y=47     Z=0
87 X=28.4    Y=50     Z=0
88 X=35.6    Y=50     Z=0
C ===== LANTAI 1 =====
101 X=14      Y=0       Z=7.5
102 X=17.6    Y=0       Z=7.5
103 X=21.2    Y=0       Z=7.5
104 X=28.4    Y=0       Z=7.5
105 X=35.6    Y=0       Z=7.5
106 X=42.8    Y=0       Z=7.5
107 X=46.4    Y=0       Z=7.5
108 X=50      Y=0       Z=7.5
109 X=3       Y=3.6     Z=7.5
110 X=14      Y=3.6     Z=7.5
111 X=50      Y=3.6     Z=7.5
112 X=61      Y=3.6     Z=7.5
113 X=3       Y=7.2     Z=7.5
114 X=14      Y=7.2     Z=7.5
115 X=21.2    Y=7.2     Z=7.5
116 X=28.4    Y=7.2     Z=7.5
117 X=35.6    Y=7.2     Z=7.5
118 X=42.8    Y=7.2     Z=7.5
119 X=50      Y=7.2     Z=7.5
120 X=61      Y=7.2     Z=7.5
121 X=21.2    Y=10.8    Z=7.5
122 X=25.2    Y=10.8    Z=7.5
123 X=26.9    Y=10.8    Z=7.5
124 X=28.4    Y=10.8    Z=7.5
125 X=29.9    Y=10.8    Z=7.5
126 X=34.1    Y=10.8    Z=7.5
127 X=35.6    Y=10.8    Z=7.5
128 X=37.1    Y=10.8    Z=7.5
129 X=38.8    Y=10.8    Z=7.5
130 X=42.8    Y=10.8    Z=7.5
131 X=0       Y=14.4    Z=7.5
132 X=3       Y=14.4    Z=7.5
133 X=14      Y=14.4    Z=7.5
134 X=21.2    Y=14.4    Z=7.5
135 X=26.9    Y=14.4    Z=7.5
136 X=37.1    Y=14.4    Z=7.5
137 X=42.8    Y=14.4    Z=7.5
138 X=50      Y=14.4    Z=7.5
139 X=61      Y=14.4    Z=7.5
140 X=64      Y=14.4    Z=7.5
141 X=0       Y=21.6    Z=7.5
142 X=3       Y=21.6    Z=7.5
143 X=14      Y=21.6    Z=7.5
144 X=21.2    Y=21.6    Z=7.5
145 X=26.9    Y=21.6    Z=7.5
146 X=37.1    Y=21.6    Z=7.5
147 X=42.8    Y=21.6    Z=7.5
148 X=50      Y=21.6    Z=7.5
149 X=61      Y=21.6    Z=7.5
150 X=64      Y=21.6    Z=7.5
151 X=21.2    Y=25.2    Z=7.5
152 X=25.2    Y=25.2    Z=7.5
153 X=26.9    Y=25.2    Z=7.5
154 X=28.4    Y=25.2    Z=7.5
155 X=29.9    Y=25.2    Z=7.5
156 X=34.1    Y=25.2    Z=7.5
157 X=35.6    Y=25.2    Z=7.5
158 X=37.1    Y=25.2    Z=7.5
159 X=38.8    Y=25.2    Z=7.5
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160 X=42.8 Y=25.2 Z=7.5
161 X=3 Y=28.8 Z=7.5
162 X=14 Y=28.8 Z=7.5
163 X=21.2 Y=28.8 Z=7.5
164 X=28.4 Y=28.8 Z=7.5
165 X=35.6 Y=28.8 Z=7.5
166 X=42.8 Y=28.8 Z=7.5
167 X=50 Y=28.8 Z=7.5
168 X=61 Y=28.8 Z=7.5
169 X=3 Y=32.4 Z=7.5
170 X=14 Y=32.4 Z=7.5
171 X=50 Y=32.4 Z=7.5
172 X=61 Y=32.4 Z=7.5
173 X=14 Y=36 Z=7.5
174 X=17.6 Y=36 Z=7.5
175 X=21.2 Y=36 Z=7.5
176 X=28.4 Y=36 Z=7.5
177 X=35.6 Y=36 Z=7.5
178 X=42.8 Y=36 Z=7.5
179 X=46.4 Y=36 Z=7.5
180 X=50 Y=36 Z=7.5
181 X=17.6 Y=47 Z=7.5
182 X=21.2 Y=47 Z=7.5
183 X=28.4 Y=47 Z=7.5
184 X=35.6 Y=47 Z=7.5
185 X=42.8 Y=47 Z=7.5
186 X=46.4 Y=47 Z=7.5
187 X=28.4 Y=50 Z=7.5
188 X=35.6 Y=50 Z=7.5
C ----- LANTAI 3 -----
301 X=14 Y=0 Z=17.5 G=101,301,100
302 X=17.6 Y=0 Z=17.5 G=102,302,100
303 X=21.2 Y=0 Z=17.5 G=103,303,100
304 X=28.4 Y=0 Z=17.5 G=104,304,100
305 X=35.6 Y=0 Z=17.5 G=105,305,100
306 X=42.8 Y=0 Z=17.5 G=106,306,100
307 X=46.4 Y=0 Z=17.5 G=107,307,100
308 X=50 Y=0 Z=17.5 G=108,308,100
309 X=3 Y=3.6 Z=17.5 G=109,309,100
310 X=14 Y=3.6 Z=17.5 G=110,310,100
311 X=50 Y=3.6 Z=17.5 G=111,311,100
312 X=61 Y=3.6 Z=17.5 G=112,312,100
313 X=3 Y=7.2 Z=17.5 G=113,313,100
314 X=14 Y=7.2 Z=17.5 G=114,314,100
315 X=21.2 Y=7.2 Z=17.5 G=115,315,100
316 X=28.4 Y=7.2 Z=17.5 G=116,316,100
317 X=35.6 Y=7.2 Z=17.5 G=117,317,100
318 X=42.8 Y=7.2 Z=17.5 G=118,318,100
319 X=50 Y=7.2 Z=17.5 G=119,319,100
320 X=61 Y=7.2 Z=17.5 G=120,320,100
321 X=21.2 Y=10.8 Z=17.5 G=121,321,100
322 X=25.2 Y=10.8 Z=17.5 G=122,322,100
323 X=26.9 Y=10.8 Z=17.5 G=123,323,100
324 X=28.4 Y=10.8 Z=17.5 G=124,324,100
325 X=29.9 Y=10.8 Z=17.5 G=125,325,100
326 X=34.1 Y=10.8 Z=17.5 G=126,326,100
327 X=35.6 Y=10.8 Z=17.5 G=127,327,100
328 X=37.1 Y=10.8 Z=17.5 G=128,328,100
329 X=38.8 Y=10.8 Z=17.5 G=129,329,100
330 X=42.8 Y=10.8 Z=17.5 G=130,330,100
331 X=0 Y=14.4 Z=17.5 G=131,331,100
332 X=3 Y=14.4 Z=17.5 G=132,332,100
333 X=14 Y=14.4 Z=17.5 G=133,333,100
334 X=21.2 Y=14.4 Z=17.5 G=134,334,100
335 X=26.9 Y=14.4 Z=17.5 G=135,335,100
336 X=37.1 Y=14.4 Z=17.5 G=136,336,100
337 X=42.8 Y=14.4 Z=17.5 G=137,337,100
338 X=50 Y=14.4 Z=17.5 G=138,338,100
339 X=61 Y=14.4 Z=17.5 G=139,339,100
340 X=64 Y=14.4 Z=17.5 G=140,340,100
341 X=0 Y=21.6 Z=17.5 G=141,341,100
342 X=3 Y=21.6 Z=17.5 G=142,342,100
343 X=14 Y=21.6 Z=17.5 G=143,343,100
344 X=21.2 Y=21.6 Z=17.5 G=144,344,100
345 X=26.9 Y=21.6 Z=17.5 G=145,345,100
346 X=37.1 Y=21.6 Z=17.5 G=146,346,100
347 X=42.8 Y=21.6 Z=17.5 G=147,347,100
348 X=50 Y=21.6 Z=17.5 G=148,348,100
349 X=61 Y=21.6 Z=17.5 G=149,349,100
350 X=64 Y=21.6 Z=17.5 G=150,350,100
351 X=21.2 Y=25.2 Z=17.5 G=151,351,100

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Listing Program SAP-90

352	X=25.2	Y=25.2	Z=17.5	G=152,352,100
353	X=26.9	Y=25.2	Z=17.5	G=153,353,100
354	X=28.4	Y=25.2	Z=17.5	G=154,354,100
355	X=29.9	Y=25.2	Z=17.5	G=155,355,100
356	X=34.1	Y=25.2	Z=17.5	G=156,356,100
357	X=35.6	Y=25.2	Z=17.5	G=157,357,100
358	X=37.1	Y=25.2	Z=17.5	G=158,358,100
359	X=38.8	Y=25.2	Z=17.5	G=159,359,100
360	X=42.8	Y=25.2	Z=17.5	G=160,360,100
361	X=3	Y=28.8	Z=17.5	G=161,361,100
362	X=14	Y=28.8	Z=17.5	G=162,362,100
363	X=21.2	Y=28.8	Z=17.5	G=163,363,100
364	X=28.4	Y=28.8	Z=17.5	G=164,364,100
365	X=35.6	Y=28.8	Z=17.5	G=165,365,100
366	X=42.8	Y=28.8	Z=17.5	G=166,366,100
367	X=50	Y=28.8	Z=17.5	G=167,367,100
368	X=61	Y=28.8	Z=17.5	G=168,368,100
369	X=3	Y=32.4	Z=17.5	G=169,369,100
370	X=14	Y=32.4	Z=17.5	G=170,370,100
371	X=50	Y=32.4	Z=17.5	G=171,371,100
372	X=61	Y=32.4	Z=17.5	G=172,372,100
373	X=14	Y=36	Z=17.5	G=173,373,100
374	X=17.6	Y=36	Z=17.5	G=174,374,100
375	X=21.2	Y=36	Z=17.5	G=175,375,100
376	X=28.4	Y=36	Z=17.5	G=176,376,100
377	X=35.6	Y=36	Z=17.5	G=177,377,100
378	X=42.8	Y=36	Z=17.5	G=178,378,100
379	X=46.4	Y=36	Z=17.5	G=179,379,100
380	X=50	Y=36	Z=17.5	G=180,380,100
381	X=17.6	Y=47	Z=17.5	G=181,381,100
382	X=21.2	Y=47	Z=17.5	G=182,382,100
383	X=28.4	Y=47	Z=17.5	G=183,383,100
384	X=35.6	Y=47	Z=17.5	G=184,384,100
385	X=42.8	Y=47	Z=17.5	G=185,385,100
386	X=46.4	Y=47	Z=17.5	G=186,386,100
387	X=28.4	Y=50	Z=17.5	G=187,387,100
388	X=35.6	Y=50	Z=17.5	G=188,388,100

C ----- LANTAI 4 -----

401	X=14	Y=0	Z=21.25
402	X=17.6	Y=0	Z=21.25
403	X=21.2	Y=0	Z=21.25
404	X=28.4	Y=0	Z=21.25
405	X=35.6	Y=0	Z=21.25
406	X=42.8	Y=0	Z=21.25
407	X=46.4	Y=0	Z=21.25
408	X=50	Y=0	Z=21.25
409	X=14	Y=3.6	Z=21.25
410	X=50	Y=3.6	Z=21.25
411	X=14	Y=7.2	Z=21.25
412	X=21.2	Y=7.2	Z=21.25
413	X=28.4	Y=7.2	Z=21.25
414	X=35.6	Y=7.2	Z=21.25
415	X=42.8	Y=7.2	Z=21.25
416	X=50	Y=7.2	Z=21.25
417	X=21.2	Y=10.8	Z=21.25
418	X=25.2	Y=10.8	Z=21.25
419	X=26.9	Y=10.8	Z=21.25
420	X=28.4	Y=10.8	Z=21.25
421	X=29.9	Y=10.8	Z=21.25
422	X=34.1	Y=10.8	Z=21.25
423	X=35.6	Y=10.8	Z=21.25
424	X=37.1	Y=10.8	Z=21.25
425	X=38.8	Y=10.8	Z=21.25
426	X=42.8	Y=10.8	Z=21.25
427	X=14	Y=14.4	Z=21.25
428	X=21.2	Y=14.4	Z=21.25
429	X=26.9	Y=14.4	Z=21.25
430	X=37.1	Y=14.4	Z=21.25
431	X=42.8	Y=14.4	Z=21.25
432	X=50	Y=14.4	Z=21.25
433	X=14	Y=21.6	Z=21.25
434	X=21.2	Y=21.6	Z=21.25
435	X=26.9	Y=21.6	Z=21.25
436	X=37.1	Y=21.6	Z=21.25
437	X=42.8	Y=21.6	Z=21.25
438	X=50	Y=21.6	Z=21.25
439	X=21.2	Y=25.2	Z=21.25
440	X=25.2	Y=25.2	Z=21.25
441	X=26.9	Y=25.2	Z=21.25
442	X=28.4	Y=25.2	Z=21.25
443	X=29.9	Y=25.2	Z=21.25

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444	X=34.1	Y=25.2	Z=21.25	
445	X=35.6	Y=25.2	Z=21.25	
446	X=37.1	Y=25.2	Z=21.25	
447	X=38.8	Y=25.2	Z=21.25	
448	X=42.8	Y=25.2	Z=21.25	
449	X=14	Y=28.8	Z=21.25	
450	X=21.2	Y=28.8	Z=21.25	
451	X=28.4	Y=28.8	Z=21.25	
452	X=35.6	Y=28.8	Z=21.25	
453	X=42.8	Y=28.8	Z=21.25	
454	X=50	Y=28.8	Z=21.25	
455	X=14	Y=32.4	Z=21.25	
456	X=50	Y=32.4	Z=21.25	
457	X=14	Y=36	Z=21.25	
458	X=17.6	Y=36	Z=21.25	
459	X=21.2	Y=36	Z=21.25	
460	X=28.4	Y=36	Z=21.25	
461	X=35.6	Y=36	Z=21.25	
462	X=42.8	Y=36	Z=21.25	
463	X=46.4	Y=36	Z=21.25	
464	X=50	Y=36	Z=21.25	
C ===== LANTAI ATAP =====				
3001	X=14	Y=0	Z=118.75	G=401,3001,100
3002	X=17.6	Y=0	Z=118.75	G=402,3002,100
3003	X=21.2	Y=0	Z=118.75	G=403,3003,100
3004	X=28.4	Y=0	Z=118.75	G=404,3004,100
3005	X=35.6	Y=0	Z=118.75	G=405,3005,100
3006	X=42.8	Y=0	Z=118.75	G=406,3006,100
3007	X=46.4	Y=0	Z=118.75	G=407,3007,100
3008	X=50	Y=0	Z=118.75	G=408,3008,100
3009	X=14	Y=3.6	Z=118.75	G=409,3009,100
3010	X=50	Y=3.6	Z=118.75	G=410,3010,100
3011	X=14	Y=7.2	Z=118.75	G=411,3011,100
3012	X=21.2	Y=7.2	Z=118.75	G=412,3012,100
3013	X=28.4	Y=7.2	Z=118.75	G=413,3013,100
3014	X=35.6	Y=7.2	Z=118.75	G=414,3014,100
3015	X=42.8	Y=7.2	Z=118.75	G=415,3015,100
3016	X=50	Y=7.2	Z=118.75	G=416,3016,100
3017	X=21.2	Y=10.8	Z=118.75	G=417,3017,100
3018	X=25.2	Y=10.8	Z=118.75	G=418,3018,100
3019	X=26.9	Y=10.8	Z=118.75	G=419,3019,100
3020	X=28.4	Y=10.8	Z=118.75	G=420,3020,100
3021	X=29.9	Y=10.8	Z=118.75	G=421,3021,100
3022	X=34.1	Y=10.8	Z=118.75	G=422,3022,100
3023	X=35.6	Y=10.8	Z=118.75	G=423,3023,100
3024	X=37.1	Y=10.8	Z=118.75	G=424,3024,100
3025	X=38.8	Y=10.8	Z=118.75	G=425,3025,100
3026	X=42.8	Y=10.8	Z=118.75	G=426,3026,100
3027	X=14	Y=14.4	Z=118.75	G=427,3027,100
3028	X=21.2	Y=14.4	Z=118.75	G=428,3028,100
3029	X=26.9	Y=14.4	Z=118.75	G=429,3029,100
3030	X=37.1	Y=14.4	Z=118.75	G=430,3030,100
3031	X=42.8	Y=14.4	Z=118.75	G=431,3031,100
3032	X=50	Y=14.4	Z=118.75	G=432,3032,100
3033	X=14	Y=21.6	Z=118.75	G=433,3033,100
3034	X=21.2	Y=21.6	Z=118.75	G=434,3034,100
3035	X=26.9	Y=21.6	Z=118.75	G=435,3035,100
3036	X=37.1	Y=21.6	Z=118.75	G=436,3036,100
3037	X=42.8	Y=21.6	Z=118.75	G=437,3037,100
3038	X=50	Y=21.6	Z=118.75	G=438,3038,100
3039	X=21.2	Y=25.2	Z=118.75	G=439,3039,100
3040	X=25.2	Y=25.2	Z=118.75	G=440,3040,100
3041	X=26.9	Y=25.2	Z=118.75	G=441,3041,100
3042	X=28.4	Y=25.2	Z=118.75	G=442,3042,100
3043	X=29.9	Y=25.2	Z=118.75	G=443,3043,100
3044	X=34.1	Y=25.2	Z=118.75	G=444,3044,100
3045	X=35.6	Y=25.2	Z=118.75	G=445,3045,100
3046	X=37.1	Y=25.2	Z=118.75	G=446,3046,100
3047	X=38.8	Y=25.2	Z=118.75	G=447,3047,100
3048	X=42.8	Y=25.2	Z=118.75	G=448,3048,100
3049	X=14	Y=28.8	Z=118.75	G=449,3049,100
3050	X=21.2	Y=28.8	Z=118.75	G=450,3050,100
3051	X=28.4	Y=28.8	Z=118.75	G=451,3051,100
3052	X=35.6	Y=28.8	Z=118.75	G=452,3052,100
3053	X=42.8	Y=28.8	Z=118.75	G=453,3053,100
3054	X=50	Y=28.8	Z=118.75	G=454,3054,100
3055	X=14	Y=32.4	Z=118.75	G=455,3055,100
3056	X=50	Y=32.4	Z=118.75	G=456,3056,100
3057	X=14	Y=36	Z=118.75	G=457,3057,100
3058	X=17.6	Y=36	Z=118.75	G=458,3058,100
3059	X=21.2	Y=36	Z=118.75	G=459,3059,100

```

3060 X=28.4 Y=36 Z=118.75 G=460,3060,100
3061 X=35.6 Y=36 Z=118.75 G=461,3061,100
3062 X=42.8 Y=36 Z=118.75 G=462,3062,100
3063 X=46.4 Y=36 Z=118.75 G=463,3063,100
3064 X=50 Y=36 Z=118.75 G=464,3064,100

```

C ===== MASTER JOINTS =====

```

189 X=32 Y=23.4062 Z=7.5
289 X=32 Y=23.4062 Z=12.5
389 X=32 Y=23.4062 Z=17.5
465 X=32 Y=18 Z=21.25
565 X=32 Y=18 Z=25
665 X=32 Y=18 Z=28.75
765 X=32 Y=18 Z=32.5
865 X=32 Y=18 Z=36.25
965 X=32 Y=18 Z=40
1065 X=32 Y=18 Z=43.75
1165 X=32 Y=18 Z=47.5
1265 X=32 Y=18 Z=51.25
1365 X=32 Y=18 Z=55
1465 X=32 Y=18 Z=58.75
1565 X=32 Y=18 Z=62.5
1665 X=32 Y=18 Z=66.25
1765 X=32 Y=18 Z=70
1865 X=32 Y=18 Z=73.75
1965 X=32 Y=18 Z=77.5
2065 X=32 Y=18 Z=81.25
2165 X=32 Y=18 Z=85
2265 X=32 Y=18 Z=88.75
2365 X=32 Y=18 Z=92.5
2465 X=32 Y=18 Z=96.25
2565 X=32 Y=18 Z=100
2665 X=32 Y=18 Z=103.75
2765 X=32 Y=18 Z=107.5
2865 X=32 Y=18 Z=111.25
2965 X=32 Y=18 Z=115
3065 X=32 Y=18 Z=-118.75

```

RESTRAINTS

```

1 88 1 R=1,1,1,1,1,1
101 188 1 R=1,1,0,0,0,1
201 288 1 R=1,1,0,0,0,1
301 388 1 R=1,1,0,0,0,1
401 464 1 R=1,1,0,0,0,1
501 564 1 R=1,1,0,0,0,1
601 664 1 R=1,1,0,0,0,1
701 764 1 R=1,1,0,0,0,1
801 864 1 R=1,1,0,0,0,1
901 964 1 R=1,1,0,0,0,1
1001 1064 1 R=1,1,0,0,0,1
1101 1164 1 R=1,1,0,0,0,1
1201 1264 1 R=1,1,0,0,0,1
1301 1364 1 R=1,1,0,0,0,1
1401 1464 1 R=1,1,0,0,0,1
1501 1564 1 R=1,1,0,0,0,1
1601 1664 1 R=1,1,0,0,0,1
1701 1764 1 R=1,1,0,0,0,1
1801 1864 1 R=1,1,0,0,0,1
1901 1964 1 R=1,1,0,0,0,1
2001 2064 1 R=1,1,0,0,0,1
2101 2164 1 R=1,1,0,0,0,1
2201 2264 1 R=1,1,0,0,0,1
2301 2364 1 R=1,1,0,0,0,1
2401 2464 1 R=1,1,0,0,0,1
2501 2564 1 R=1,1,0,0,0,1
2601 2664 1 R=1,1,0,0,0,1
2701 2764 1 R=1,1,0,0,0,1
2801 2864 1 R=1,1,0,0,0,1
2901 2964 1 R=1,1,0,0,0,1
3001 3064 1 R=1,1,0,0,0,1
189 389 100 R=0,0,1,1,1,0
465 3065 100 R=0,0,1,1,1,0

```

FRAME

```

NM=6 NL=56 Z=-1
1 SH=R T=0.7,0.5 E=2E7 G=8.3333E7 W=8.2467 M=0.84025
2 SH=R T=0.5,0.3 E=2E7 G=8.3333E7 W=3.5343 M=0.3601
3 SH=R T=1.2,1.2 E=2E7 G=8.3333E7 W=33.929 M=3.457
4 SH=R T=1.2,1.2 E=2E7 G=8.3333E7 W=33.929 M=3.457
5 SH=R T=1.2,1.2 E=2E7 G=8.3333E7 W=33.929 M=3.457
6 SH=R T=0.4,0.4 E=2E7 G=8.3333E7 W=3.7699 M=0.38411

```

C ===== BEBAN MATI LANTAI =====

1	WG=0,0,-5.688	
2	WG=0,0,-4.1475	PLD=3.6,-13.365,0
3	WG=0,0,-5.7397	PLD=5.5,-18.5976,0
4	WG=0,0,-4.74	
5	WG=0,0,-11.376	
6	WG=0,0,-8.532	PLD=3.6,-82.1664,0
7	WG=0,0,-8.532	PLD=3.6,-135.9,0
8	WG=0,0,-8.532	PLD=3.6,-59.6808,0
9	WG=0,0,-9.9403	
10	WG=0,0,-8.8841	PLD=3.6,-41.0832,0
11	WG=0,0,-4.266	PLD=3.6,-94.8168,0
12	WG=0,0,-8.4135	PLD=3.6,-108.1818,0
13	WG=0,0,-11.4794	PLD=5.5,-82.1664,0
14	WG=0,0,-11.4794	PLD=5.5,-59.6808,0

C ===== BEBAN HIDUP LANTAI =====

15	WG=0,0,-3	
16	WG=0,0,-2.1875	PLD=3.6,-5.625,0
17	WG=0,0,-3.0273	PLD=5.5,-8.1,0
18	WG=0,0,-2.5	
19	WG=0,0,-6	
20	WG=0,0,-4.5	PLD=3.6,-32.4,0
21	WG=0,0,-4.5	PLD=3.6,-49.5,0
22	WG=0,0,-4.5	PLD=3.6,-24.3,0
23	WG=0,0,-5.2428	
24	WG=0,0,-4.6857	PLD=3.6,-16.2,0
25	WG=0,0,-2.25	PLD=3.6,-33.3,0
26	WG=0,0,-4.4375	PLD=3.6,-38.925,0
27	WG=0,0,-6.0545	PLD=5.5,-32.4,0
28	WG=0,0,-6.0545	PLD=5.5,-24.3,0

C ===== BEBAN MATI ATAP =====

29	WG=0,0,-4.632	
30	WG=0,0,-3.3775	PLD=3.6,-11.385,0
31	WG=0,0,-4.6741	PLD=5.5,-15.7464,0
32	WG=0,0,-3.86	
33	WG=0,0,-9.264	
34	WG=0,0,-6.948	PLD=3.6,-70.7616,0
35	WG=0,0,-6.948	PLD=3.6,-118.476,0
36	WG=0,0,-6.948	PLD=3.6,-51.1272,0
37	WG=0,0,-8.0949	
38	WG=0,0,-7.2347	PLD=3.6,-35.3808,0
39	WG=0,0,-3.474	PLD=3.6,-83.0952,0
40	WG=0,0,-6.8515	PLD=3.6,-94.4802,0
41	WG=0,0,-9.3482	PLD=5.5,-70.7616,0
42	WG=0,0,-9.3482	PLD=5.5,-51.1272,0

C ===== BEBAN HIDUP ATAP =====

43	WG=0,0,-2.04	
44	WG=0,0,-1.4875	PLD=3.6,-3.825,0
45	WG=0,0,-2.0585	PLD=5.5,-5.508,0
46	WG=0,0,-3.4	
47	WG=0,0,-4.08	
48	WG=0,0,-3.06	PLD=3.6,-22.032,0
49	WG=0,0,-3.06	PLD=3.6,-33.66,0
50	WG=0,0,-3.06	PLD=3.6,-16.524,0
51	WG=0,0,-3.5651	
52	WG=0,0,-3.1863	PLD=3.6,-11.016,0
53	WG=0,0,-1.53	PLD=3.6,-22.644,0
54	WG=0,0,-3.0175	PLD=3.6,-26.469,0
55	WG=0,0,-4.1171	PLD=5.5,-22.032,0
56	WG=0,0,-4.1171	PLD=5.5,-16.524,0

C ===== BALOK LANTAI 1 =====

SEJAJAR SUMBU X						
1	101	102	M=2,2,1	NSL=1,15	MS=189,189	G=1,6,6,6 LP=-2,0
2	102	103	M=2,2,1	NSL=9,23	MS=189,189	G=1,4,4,4
3	103	104	M=2,2,1	NSL=10,24	MS=189,189	G=2,1,1,1
8	109	110	M=1,1,1	NSL=3,17	MS=189,189	G=1,1,2,2
10	113	114	M=1,1,1	NSL=14,28	MS=189,189	G=1,6,6,6
11	114	115	M=2,2,1	NSL=6,20	MS=189,189	G=1,4,4,4
12	115	116	M=2,2,1	NSL=8,22	MS=189,189	G=2,1,1,1
17	121	122	M=2,2,1		MS=189,189	G=8,1,1,1
26	131	132	M=2,2,1	NSL=4,18	MS=189,189	G=1,6,10,10
27	132	133	M=1,1,1	NSL=13,27	MS=189,189	G=1,6,10,10
28	133	134	M=2,2,1	NSL=6,20	MS=189,189	G=1,6,10,10
29	137	138	M=2,2,1	NSL=6,20	MS=189,189	G=1,6,10,10
30	138	139	M=1,1,1	NSL=13,27	MS=189,189	G=1,6,10,10
31	139	140	M=2,2,1	NSL=4,18	MS=189,189	G=1,6,10,10
38	151	152	M=2,2,1		MS=189,189	G=8,1,1,1
47	161	162	M=1,1,1	NSL=14,28	MS=189,189	G=1,6,6,6
48	162	163	M=2,2,1	NSL=6,20	MS=189,189	G=1,4,4,4
49	163	164	M=2,2,1	NSL=8,22	MS=189,189	G=2,1,1,1
54	169	170	M=1,1,1	NSL=3,17	MS=189,189	G=1,1,2,2

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56	173	174	M=2,2,1	NSL=1,15	MS=189,189	G=1,6,6,6	
57	174	175	M=2,2,1	NSL=5,19	MS=189,189	G=1,4,4,4	
58	175	176	M=2,2,1	NSL=7,21	MS=189,189	G=2,1,1,1	
63	181	182	M=2,2,1	NSL=1,15	MS=189,189	G=1,4,4,4	
64	182	183	M=2,2,1	NSL=11,25	MS=189,189	G=1,2,2,2	
65	183	184	M=2,2,1	NSL=12,26	MS=189,189		
68	187	188	M=2,2,1	NSL=2,16	MS=189,189		
C ===== SEJAJAR SUMBU Y =====							
69	101	110	M=2,2,1	NSL=1,15	MS=189,189	G=1,5,7,1	LP=3,0
70	103	115	M=2,2,1	NSL=6,20	MS=189,189	G=3,1,1,1	
75	109	113	M=2,2,1	NSL=1,15	MS=189,189	G=1,3,3,7	
76	110	114	M=2,2,1	NSL=5,19	MS=189,189	G=1,1,1,5	
79	113	132	M=2,2,1	NSL=11,25	MS=189,189	G=1,7,7,7	
80	114	133	M=2,2,1	NSL=7,21	MS=189,189	G=1,5,5,5	
81	115	121	M=2,2,1	NSL=5,19	MS=189,189	G=3,1,1,3	
87	121	134	M=2,2,1		MS=189,189	G=1,1,2,1	
89	128	136	M=2,2,1		MS=189,189	G=1,1,2,1	
91	131	141	M=2,2,1	NSL=2,16	MS=189,189	G=1,9,9,9	
92	132	142	M=2,2,1	NSL=12,26	MS=189,189	G=1,7,7,7	
93	133	143	M=2,2,1	NSL=7,21	MS=189,189	G=1,5,5,5	
94	134	144	M=2,2,1		MS=189,189	G=3,1,1,1	
101	142	161	M=2,2,1	NSL=11,25	MS=189,189	G=1,7,7,7	
102	143	162	M=2,2,1	NSL=7,21	MS=189,189	G=1,5,5,5	
103	144	151	M=2,2,1		MS=189,189	G=1,1,1,2	
105	146	158	M=2,2,1		MS=189,189	G=1,1,1,2	
109	151	163	M=2,2,1	NSL=5,19	MS=189,189	G=3,1,3,1	
113	161	169	M=2,2,1	NSL=1,15	MS=189,189	G=1,7,7,3	
114	162	170	M=2,2,1	NSL=5,19	MS=189,189	G=1,5,5,1	
115	163	175	M=2,2,1	NSL=6,20	MS=189,189	G=3,1,1,1	
121	170	173	M=2,2,1	NSL=1,15	MS=189,189	G=1,1,1,7	
123	174	181	M=1,1,1	NSL=3,17	MS=189,189	G=1,5,5,5	
124	175	182	M=1,1,1	NSL=14,28	MS=189,189	G=1,3,3,3	
125	176	183	M=1,1,1	NSL=13,27	MS=189,189	G=1,1,1,1	
129	183	187	M=2,2,1	NSL=4,18	MS=189,189	G=1,1,1,1	
C ===== BALOK LANTAI 2 =====							
C ===== SEJAJAR SUMBU X =====							
131	201	202	M=2,2,1	NSL=1,15	MS=289,289	G=1,6,6,6	LP=-2,0
132	202	203	M=2,2,1	NSL=9,23	MS=289,289	G=1,4,4,4	
133	203	204	M=2,2,1	NSL=10,24	MS=289,289	G=2,1,1,1	
138	209	210	M=1,1,1	NSL=3,17	MS=289,289	G=1,1,2,2	
140	213	214	M=1,1,1	NSL=14,28	MS=289,289	G=1,6,6,6	
141	214	215	M=2,2,1	NSL=6,20	MS=289,289	G=1,4,4,4	
142	215	216	M=2,2,1	NSL=8,22	MS=289,289	G=2,1,1,1	
147	221	222	M=2,2,1		MS=289,289	G=8,1,1,1	
156	231	232	M=2,2,1	NSL=4,18	MS=289,289	G=1,6,10,10	
157	232	233	M=1,1,1	NSL=13,27	MS=289,289	G=1,6,10,10	
158	233	234	M=2,2,1	NSL=6,20	MS=289,289	G=1,6,10,10	
159	237	238	M=2,2,1	NSL=6,20	MS=289,289	G=1,6,10,10	
160	238	239	M=1,1,1	NSL=13,27	MS=289,289	G=1,6,10,10	
161	239	240	M=2,2,1	NSL=4,18	MS=289,289	G=1,6,10,10	
168	251	252	M=2,2,1		MS=289,289	G=8,1,1,1	
177	261	262	M=1,1,1	NSL=14,28	MS=289,289	G=1,6,6,6	
178	262	263	M=2,2,1	NSL=6,20	MS=289,289	G=1,4,4,4	
179	263	264	M=2,2,1	NSL=8,22	MS=289,289	G=2,1,1,1	
184	269	270	M=1,1,1	NSL=3,17	MS=289,289	G=1,1,2,2	
186	273	274	M=2,2,1	NSL=1,15	MS=289,289	G=1,6,6,6	
187	274	275	M=2,2,1	NSL=5,19	MS=289,289	G=1,4,4,4	
188	275	276	M=2,2,1	NSL=7,21	MS=289,289	G=2,1,1,1	
193	281	282	M=2,2,1	NSL=1,15	MS=289,289	G=1,4,4,4	
194	282	283	M=2,2,1	NSL=11,25	MS=289,289	G=1,2,2,2	
195	283	284	M=2,2,1	NSL=12,26	MS=289,289		
198	287	288	M=2,2,1	NSL=2,16	MS=289,289		
C ===== SEJAJAR SUMBU Y =====							
199	201	210	M=2,2,1	NSL=1,15	MS=289,289	G=1,5,7,1	LP=3,0
200	203	215	M=2,2,1	NSL=6,20	MS=289,289	G=3,1,1,1	
205	209	213	M=2,2,1	NSL=1,15	MS=289,289	G=1,3,3,7	
206	210	214	M=2,2,1	NSL=5,19	MS=289,289	G=1,1,1,5	
209	213	232	M=2,2,1	NSL=11,25	MS=289,289	G=1,7,7,7	
210	214	233	M=2,2,1	NSL=7,21	MS=289,289	G=1,5,5,5	
211	215	221	M=2,2,1	NSL=5,19	MS=289,289	G=3,1,1,3	
217	221	234	M=2,2,1		MS=289,289	G=1,1,2,1	
219	228	236	M=2,2,1		MS=289,289	G=1,1,2,1	
221	231	241	M=2,2,1	NSL=2,16	MS=289,289	G=1,9,9,9	
222	232	242	M=2,2,1	NSL=12,26	MS=289,289	G=1,7,7,7	
223	233	243	M=2,2,1	NSL=7,21	MS=289,289	G=1,5,5,5	
224	234	244	M=2,2,1		MS=289,289	G=3,1,1,1	
231	242	261	M=2,2,1	NSL=11,25	MS=289,289	G=1,7,7,7	
232	243	262	M=2,2,1	NSL=7,21	MS=289,289	G=1,5,5,5	
233	244	251	M=2,2,1		MS=289,289	G=1,1,1,2	
235	246	258	M=2,2,1		MS=289,289	G=1,1,1,2	
239	251	263	M=2,2,1	NSL=5,19	MS=289,289	G=3,1,3,1	

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243	261	269	M=2,2,1	NSL=1,15	MS=289,289	G=1,7,7,3	
244	262	270	M=2,2,1	NSL=5,19	MS=289,289	G=1,5,5,1	
245	263	275	M=2,2,1	NSL=6,20	MS=289,289	G=3,1,1,1	
251	270	273	M=2,2,1	NSL=1,15	MS=289,289	G=1,1,1,7	
253	274	281	M=1,1,1	NSL=3,17	MS=289,289	G=1,5,5,5	
254	275	282	M=1,1,1	NSL=14,28	MS=289,289	G=1,3,3,3	
255	276	283	M=1,1,1	NSL=13,27	MS=289,289	G=1,1,1,1	
259	283	287	M=2,2,1	NSL=4,18	MS=289,289	G=1,1,1,1	
C ===== BALOK LANTAI 3 =====							
C ===== SEJAJAR SUMBU X =====							
261	301	302	M=2,2,1	NSL=1,15	MS=389,389	G=1,6,6,6	LP=-2,0
262	302	303	M=2,2,1	NSL=9,23	MS=389,389	G=1,4,4,4	
263	303	304	M=2,2,1	NSL=10,24	MS=389,389	G=2,1,1,1	
268	309	310	M=1,1,1	NSL=3,17	MS=389,389	G=1,1,2,2	
270	313	314	M=1,1,1	NSL=14,28	MS=389,389	G=1,6,6,6	
271	314	315	M=2,2,1	NSL=6,20	MS=389,389	G=1,4,4,4	
272	315	316	M=2,2,1	NSL=8,22	MS=389,389	G=2,1,1,1	
277	321	322	M=2,2,1		MS=389,389	G=8,1,1,1	
286	331	332	M=2,2,1	NSL=4,18	MS=389,389	G=1,6,10,10	
287	332	333	M=1,1,1	NSL=13,27	MS=389,389	G=1,6,10,10	
288	333	334	M=2,2,1	NSL=6,20	MS=389,389	G=1,6,10,10	
289	337	338	M=2,2,1	NSL=6,20	MS=389,389	G=1,6,10,10	
290	338	339	M=1,1,1	NSL=13,27	MS=389,389	G=1,6,10,10	
291	339	340	M=2,2,1	NSL=4,18	MS=389,389	G=1,6,10,10	
298	351	352	M=2,2,1		MS=389,389	G=8,1,1,1	
307	361	362	M=1,1,1	NSL=14,28	MS=389,389	G=1,6,6,6	
308	362	363	M=2,2,1	NSL=6,20	MS=389,389	G=1,4,4,4	
309	363	364	M=2,2,1	NSL=8,22	MS=389,389	G=2,1,1,1	
314	369	370	M=1,1,1	NSL=3,17	MS=389,389	G=1,1,2,2	
316	373	374	M=2,2,1	NSL=1,15	MS=389,389	G=1,6,6,6	
317	374	375	M=2,2,1	NSL=5,19	MS=389,389	G=1,4,4,4	
318	375	376	M=2,2,1	NSL=7,21	MS=389,389	G=2,1,1,1	
323	381	382	M=2,2,1	NSL=1,15	MS=389,389	G=1,4,4,4	
324	382	383	M=2,2,1	NSL=11,25	MS=389,389	G=1,2,2,2	
325	383	384	M=2,2,1	NSL=12,26	MS=389,389		
328	387	388	M=2,2,1	NSL=2,16	MS=389,389		
C ===== SEJAJAR SUMBU Y =====							
329	301	310	M=2,2,1	NSL=1,15	MS=389,389	G=1,5,7,1	LP=3,0
330	303	315	M=2,2,1	NSL=6,20	MS=389,389	G=3,1,1,1	
335	309	313	M=2,2,1	NSL=1,15	MS=389,389	G=1,3,3,7	
336	310	314	M=2,2,1	NSL=5,19	MS=389,389	G=1,1,1,5	
339	313	332	M=2,2,1	NSL=11,25	MS=389,389	G=1,7,7,7	
340	314	333	M=2,2,1	NSL=7,21	MS=389,389	G=1,5,5,5	
341	315	321	M=2,2,1	NSL=5,19	MS=389,389	G=3,1,1,3	
347	321	334	M=2,2,1		MS=389,389	G=1,1,2,1	
349	328	336	M=2,2,1		MS=389,389	G=1,1,2,1	
351	331	341	M=2,2,1	NSL=2,16	MS=389,389	G=1,9,9,9	
352	332	342	M=2,2,1	NSL=12,26	MS=389,389	G=1,7,7,7	
353	333	343	M=2,2,1	NSL=7,21	MS=389,389	G=1,5,5,5	
354	334	344	M=2,2,1		MS=389,389	G=3,1,1,1	
361	342	361	M=2,2,1	NSL=11,25	MS=389,389	G=1,7,7,7	
362	343	362	M=2,2,1	NSL=7,21	MS=389,389	G=1,5,5,5	
363	344	351	M=2,2,1		MS=389,389	G=1,1,1,2	
365	346	358	M=2,2,1		MS=389,389	G=1,1,1,2	
369	351	363	M=2,2,1	NSL=5,19	MS=389,389	G=3,1,3,1	
373	361	369	M=2,2,1	NSL=1,15	MS=389,389	G=1,7,7,3	
374	362	370	M=2,2,1	NSL=5,19	MS=389,389	G=1,5,5,1	
375	363	375	M=2,2,1	NSL=6,20	MS=389,389	G=3,1,1,1	
381	370	373	M=2,2,1	NSL=1,15	MS=389,389	G=1,1,1,7	
383	374	381	M=1,1,1	NSL=3,17	MS=389,389	G=1,5,5,5	
384	375	382	M=1,1,1	NSL=14,28	MS=389,389	G=1,3,3,3	
385	376	383	M=1,1,1	NSL=13,27	MS=389,389	G=1,1,1,1	
389	383	387	M=2,2,1	NSL=4,18	MS=389,389	G=1,1,1,1	
C ===== BALOK LANTAI 4 =====							
C ===== SEJAJAR SUMBU X =====							
401	401	402	M=2,2,1	NSL=1,15	MS=465,465	G=1,6,6,6	LP=-2,0
402	402	403	M=2,2,1	NSL=9,23	MS=465,465	G=1,4,4,4	
403	403	404	M=2,2,1	NSL=10,24	MS=465,465	G=2,1,1,1	
408	411	412	M=2,2,1	NSL=6,20	MS=465,465	G=1,4,4,4	
409	412	413	M=2,2,1	NSL=8,22	MS=465,465	G=2,1,1,1	
413	417	418	M=2,2,1		MS=465,465	G=8,1,1,1	
422	427	428	M=2,2,1	NSL=6,20	MS=465,465	G=1,1,4,4	
424	433	434	M=2,2,1	NSL=6,20	MS=465,465	G=1,1,4,4	
426	439	440	M=2,2,1		MS=465,465	G=8,1,1,1	
435	449	450	M=2,2,1	NSL=6,20	MS=465,465	G=1,4,4,4	
436	450	451	M=2,2,1	NSL=8,22	MS=465,465	G=2,1,1,1	
440	457	458	M=2,2,1	NSL=1,15	MS=465,465	G=1,6,6,6	
441	458	459	M=2,2,1	NSL=9,23	MS=465,465	G=1,4,4,4	
442	459	460	M=2,2,1	NSL=10,24	MS=465,465	G=2,1,1,1	
C ===== SEJAJAR SUMBU Y =====							
447	401	409	M=2,2,1	NSL=1,15	MS=465,465	G=1,5,7,1	LP=3,0

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448	403	412	M=2,2,1	NSL=6,20	MS=465,465	G=3,1,1,1
453	409	411	M=2,2,1	NSL=9,23	MS=465,465	G=1,1,1,5
455	411	427	M=2,2,1	NSL=10,24	MS=465,465	G=1,5,5,5
456	412	417	M=2,2,1	NSL=5,19	MS=465,465	G=3,1,1,3
461	417	428	M=2,2,1		MS=465,465	G=1,1,2,1
463	424	430	M=2,2,1		MS=465,465	G=1,1,2,1
465	427	433	M=2,2,1	NSL=10,24	MS=465,465	G=1,5,5,5
466	428	434	M=2,2,1		MS=465,465	G=3,1,1,1
471	433	449	M=2,2,1	NSL=10,24	MS=465,465	G=1,5,5,5
472	434	439	M=2,2,1		MS=465,465	G=1,1,1,2
474	436	446	M=2,2,1		MS=465,465	G=1,1,1,2
477	439	450	M=2,2,1	NSL=5,19	MS=465,465	G=3,1,3,1
481	449	455	M=2,2,1	NSL=9,23	MS=465,465	G=1,5,5,1
482	450	459	M=2,2,1	NSL=6,20	MS=465,465	G=3,1,1,1
487	455	457	M=2,2,1	NSL=1,15	MS=465,465	G=1,1,1,7

C ===== BALOK LANTAI 5 =====

SEJAJAR SUMBU X						
501	501	502	M=2,2,1	NSL=1,15	MS=565,565	G=1,6,6,6 LP=-2,0
502	502	503	M=2,2,1	NSL=9,23	MS=565,565	G=1,4,4,4
503	503	504	M=2,2,1	NSL=10,24	MS=565,565	G=2,1,1,1
508	511	512	M=2,2,1	NSL=6,20	MS=565,565	G=1,4,4,4
509	512	513	M=2,2,1	NSL=8,22	MS=565,565	G=2,1,1,1
513	517	518	M=2,2,1		MS=565,565	G=8,1,1,1
522	527	528	M=2,2,1	NSL=6,20	MS=565,565	G=1,1,4,4
524	533	534	M=2,2,1	NSL=6,20	MS=565,565	G=1,1,4,4
526	539	540	M=2,2,1		MS=565,565	G=8,1,1,1
535	549	550	M=2,2,1	NSL=6,20	MS=565,565	G=1,4,4,4
536	550	551	M=2,2,1	NSL=8,22	MS=565,565	G=2,1,1,1
540	557	558	M=2,2,1	NSL=1,15	MS=565,565	G=1,6,6,6
541	558	559	M=2,2,1	NSL=9,23	MS=565,565	G=1,4,4,4
542	559	560	M=2,2,1	NSL=10,24	MS=565,565	G=2,1,1,1

C ===== SEJAJAR SUMBU Y =====

547	501	509	M=2,2,1	NSL=1,15	MS=565,565	G=1,5,7,1 LP=3,0
548	503	512	M=2,2,1	NSL=6,20	MS=565,565	G=3,1,1,1
553	509	511	M=2,2,1	NSL=9,23	MS=565,565	G=1,1,1,5
555	511	527	M=2,2,1	NSL=10,24	MS=565,565	G=1,5,5,5
556	512	517	M=2,2,1	NSL=5,19	MS=565,565	G=3,1,1,3
561	517	528	M=2,2,1		MS=565,565	G=1,1,2,1
563	524	530	M=2,2,1		MS=565,565	G=1,1,2,1
565	527	533	M=2,2,1	NSL=10,24	MS=565,565	G=1,5,5,5
566	528	534	M=2,2,1		MS=565,565	G=3,1,1,1
571	533	549	M=2,2,1	NSL=10,24	MS=565,565	G=1,5,5,5
572	534	539	M=2,2,1		MS=565,565	G=1,1,1,2
574	536	546	M=2,2,1		MS=565,565	G=1,1,1,2
577	539	550	M=2,2,1	NSL=5,19	MS=565,565	G=3,1,3,1
581	549	555	M=2,2,1	NSL=9,23	MS=565,565	G=1,5,5,1
582	550	559	M=2,2,1	NSL=6,20	MS=565,565	G=3,1,1,1
587	555	557	M=2,2,1	NSL=1,15	MS=565,565	G=1,1,1,7

C ===== BALOK LANTAI 6 =====

SEJAJAR SUMBU X						
601	601	602	M=2,2,1	NSL=1,15	MS=665,665	G=1,6,6,6 LP=-2,0
602	602	603	M=2,2,1	NSL=9,23	MS=665,665	G=1,4,4,4
603	603	604	M=2,2,1	NSL=10,24	MS=665,665	G=2,1,1,1
608	611	612	M=2,2,1	NSL=6,20	MS=665,665	G=1,4,4,4
609	612	613	M=2,2,1	NSL=8,22	MS=665,665	G=2,1,1,1
613	617	618	M=2,2,1		MS=665,665	G=8,1,1,1
622	627	628	M=2,2,1	NSL=6,20	MS=665,665	G=1,1,4,4
624	633	634	M=2,2,1	NSL=6,20	MS=665,665	G=1,1,4,4
626	639	640	M=2,2,1		MS=665,665	G=8,1,1,1
635	649	650	M=2,2,1	NSL=6,20	MS=665,665	G=1,4,4,4
636	650	651	M=2,2,1	NSL=8,22	MS=665,665	G=2,1,1,1
640	657	658	M=2,2,1	NSL=1,15	MS=665,665	G=1,6,6,6
641	658	659	M=2,2,1	NSL=9,23	MS=665,665	G=1,4,4,4
642	659	660	M=2,2,1	NSL=10,24	MS=665,665	G=2,1,1,1

C ===== SEJAJAR SUMBU Y =====

647	601	609	M=2,2,1	NSL=1,15	MS=665,665	G=1,5,7,1 LP=3,0
648	603	612	M=2,2,1	NSL=6,20	MS=665,665	G=3,1,1,1
653	609	611	M=2,2,1	NSL=9,23	MS=665,665	G=1,1,1,5
655	611	627	M=2,2,1	NSL=10,24	MS=665,665	G=1,5,5,5
656	612	617	M=2,2,1	NSL=5,19	MS=665,665	G=3,1,1,3
661	617	628	M=2,2,1		MS=665,665	G=1,1,2,1
663	624	630	M=2,2,1		MS=665,665	G=1,1,2,1
665	627	633	M=2,2,1	NSL=10,24	MS=665,665	G=1,5,5,5
666	628	634	M=2,2,1		MS=665,665	G=3,1,1,1
671	633	649	M=2,2,1	NSL=10,24	MS=665,665	G=1,5,5,5
672	634	639	M=2,2,1		MS=665,665	G=1,1,1,2
674	636	646	M=2,2,1		MS=665,665	G=1,1,1,2
677	639	650	M=2,2,1	NSL=5,19	MS=665,665	G=3,1,3,1
681	649	655	M=2,2,1	NSL=9,23	MS=665,665	G=1,5,5,1
682	650	659	M=2,2,1	NSL=6,20	MS=665,665	G=3,1,1,1
687	655	657	M=2,2,1	NSL=1,15	MS=665,665	G=1,1,1,7

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C ===== BALOK LANTAI 7 =====
C ===== SEJAJAR SUMBU X =====
701 701 702 M=2,2,1 NSL=1,15 MS=765,765 G=1,6,6,6 LP=-2,0
702 702 703 M=2,2,1 NSL=9,23 MS=765,765 G=1,4,4,4
703 703 704 M=2,2,1 NSL=10,24 MS=765,765 G=2,1,1,1
708 711 712 M=2,2,1 NSL=6,20 MS=765,765 G=1,4,4,4
709 712 713 M=2,2,1 NSL=8,22 MS=765,765 G=2,1,1,1
713 717 718 M=2,2,1 MS=765,765 G=8,1,1,1
722 727 728 M=2,2,1 NSL=6,20 MS=765,765 G=1,1,4,4
724 733 734 M=2,2,1 NSL=6,20 MS=765,765 G=1,1,4,4
726 739 740 M=2,2,1 MS=765,765 G=8,1,1,1
735 749 750 M=2,2,1 NSL=6,20 MS=765,765 G=1,4,4,4
736 750 751 M=2,2,1 NSL=8,22 MS=765,765 G=2,1,1,1
740 757 758 M=2,2,1 NSL=1,15 MS=765,765 G=1,6,6,6
741 758 759 M=2,2,1 NSL=9,23 MS=765,765 G=1,4,4,4
742 759 760 M=2,2,1 NSL=10,24 MS=765,765 G=2,1,1,1
C ===== SEJAJAR SUMBU Y =====
747 701 709 M=2,2,1 NSL=1,15 MS=765,765 G=1,5,7,1 LP=3,0
748 703 712 M=2,2,1 NSL=6,20 MS=765,765 G=3,1,1,1
753 709 711 M=2,2,1 NSL=9,23 MS=765,765 G=1,1,1,5
755 711 727 M=2,2,1 NSL=10,24 MS=765,765 G=1,5,5,5
756 712 717 M=2,2,1 NSL=5,19 MS=765,765 G=3,1,1,3
761 717 728 M=2,2,1 MS=765,765 G=1,1,2,1
763 724 730 M=2,2,1 MS=765,765 G=1,1,2,1
765 727 733 M=2,2,1 NSL=10,24 MS=765,765 G=1,5,5,5
766 728 734 M=2,2,1 MS=765,765 G=3,1,1,1
771 733 749 M=2,2,1 NSL=10,24 MS=765,765 G=1,5,5,5
772 734 739 M=2,2,1 MS=765,765 G=1,1,1,2
774 736 746 M=2,2,1 MS=765,765 G=1,1,1,2
777 739 750 M=2,2,1 NSL=5,19 MS=765,765 G=3,1,3,1
781 749 755 M=2,2,1 NSL=9,23 MS=765,765 G=1,5,5,1
782 750 759 M=2,2,1 NSL=6,20 MS=765,765 G=3,1,1,1
787 755 757 M=2,2,1 NSL=1,15 MS=765,765 G=1,1,1,7
C ===== BALOK LANTAI 8 =====
C ===== SEJAJAR SUMBU X =====
801 801 802 M=2,2,1 NSL=1,15 MS=865,865 G=1,6,6,6 LP=-2,0
802 802 803 M=2,2,1 NSL=9,23 MS=865,865 G=1,4,4,4
803 803 804 M=2,2,1 NSL=10,24 MS=865,865 G=2,1,1,1
808 811 812 M=2,2,1 NSL=6,20 MS=865,865 G=1,4,4,4
809 812 813 M=2,2,1 NSL=8,22 MS=865,865 G=2,1,1,1
813 817 818 M=2,2,1 MS=865,865 G=8,1,1,1
822 827 828 M=2,2,1 NSL=6,20 MS=865,865 G=1,1,4,4
824 833 834 M=2,2,1 NSL=6,20 MS=865,865 G=1,1,4,4
826 839 840 M=2,2,1 MS=865,865 G=8,1,1,1
835 849 850 M=2,2,1 NSL=6,20 MS=865,865 G=1,4,4,4
836 850 851 M=2,2,1 NSL=8,22 MS=865,865 G=2,1,1,1
840 857 858 M=2,2,1 NSL=1,15 MS=865,865 G=1,6,6,6
841 858 859 M=2,2,1 NSL=9,23 MS=865,865 G=1,4,4,4
842 859 860 M=2,2,1 NSL=10,24 MS=865,865 G=2,1,1,1
C ===== SEJAJAR SUMBU Y =====
847 801 809 M=2,2,1 NSL=1,15 MS=865,865 G=1,5,7,1 LP=3,0
848 803 812 M=2,2,1 NSL=6,20 MS=865,865 G=3,1,1,1
853 809 811 M=2,2,1 NSL=9,23 MS=865,865 G=1,1,1,5
855 811 827 M=2,2,1 NSL=10,24 MS=865,865 G=1,5,5,5
856 812 817 M=2,2,1 NSL=5,19 MS=865,865 G=3,1,1,3
861 817 828 M=2,2,1 MS=865,865 G=1,1,2,1
863 824 830 M=2,2,1 MS=865,865 G=1,1,2,1
865 827 833 M=2,2,1 NSL=10,24 MS=865,865 G=1,5,5,5
866 828 834 M=2,2,1 MS=865,865 G=3,1,1,1
871 833 849 M=2,2,1 NSL=10,24 MS=865,865 G=1,5,5,5
872 834 839 M=2,2,1 MS=865,865 G=1,1,1,2
874 836 846 M=2,2,1 MS=865,865 G=1,1,1,2
877 839 850 M=2,2,1 NSL=5,19 MS=865,865 G=3,1,3,1
881 849 855 M=2,2,1 NSL=9,23 MS=865,865 G=1,5,5,1
882 850 859 M=2,2,1 NSL=6,20 MS=865,865 G=3,1,1,1
887 855 857 M=2,2,1 NSL=1,15 MS=865,865 G=1,1,1,7
C ===== BALOK LANTAI 9 =====
C ===== SEJAJAR SUMBU X =====
901 901 902 M=2,2,1 NSL=1,15 MS=965,965 G=1,6,6,6 LP=-2,0
902 902 903 M=2,2,1 NSL=9,23 MS=965,965 G=1,4,4,4
903 903 904 M=2,2,1 NSL=10,24 MS=965,965 G=2,1,1,1
908 911 912 M=2,2,1 NSL=6,20 MS=965,965 G=1,4,4,4
909 912 913 M=2,2,1 NSL=8,22 MS=965,965 G=2,1,1,1
913 917 918 M=2,2,1 MS=965,965 G=8,1,1,1
922 927 928 M=2,2,1 NSL=6,20 MS=965,965 G=1,1,4,4
924 933 934 M=2,2,1 NSL=6,20 MS=965,965 G=1,1,4,4
926 939 940 M=2,2,1 MS=965,965 G=8,1,1,1
935 949 950 M=2,2,1 NSL=6,20 MS=965,965 G=1,4,4,4
936 950 951 M=2,2,1 NSL=8,22 MS=965,965 G=2,1,1,1
940 957 958 M=2,2,1 NSL=1,15 MS=965,965 G=1,6,6,6
941 958 959 M=2,2,1 NSL=9,23 MS=965,965 G=1,4,4,4

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942	959	960	M=2,2,1	NSL=10,24	MS=965,965	G=2,1,1,1	
C ===== SEJAJAR SUMBU Y =====							
947	901	909	M=2,2,1	NSL=1,15	MS=965,965	G=1,5,7,1	LP=3,0
948	903	912	M=2,2,1	NSL=6,20	MS=965,965	G=3,1,1,1	
953	909	911	M=2,2,1	NSL=9,23	MS=965,965	G=1,1,1,5	
955	911	927	M=2,2,1	NSL=10,24	MS=965,965	G=1,5,5,5	
956	912	917	M=2,2,1	NSL=5,19	MS=965,965	G=3,1,1,3	
961	917	928	M=2,2,1		MS=965,965	G=1,1,2,1	
963	924	930	M=2,2,1		MS=965,965	G=1,1,2,1	
965	927	933	M=2,2,1	NSL=10,24	MS=965,965	G=1,5,5,5	
966	928	934	M=2,2,1		MS=965,965	G=3,1,1,1	
971	933	949	M=2,2,1	NSL=10,24	MS=965,965	G=1,5,5,5	
972	934	939	M=2,2,1		MS=965,965	G=1,1,1,2	
974	936	946	M=2,2,1		MS=965,965	G=1,1,1,2	
977	939	950	M=2,2,1	NSL=5,19	MS=965,965	G=3,1,3,1	
981	949	955	M=2,2,1	NSL=9,23	MS=965,965	G=1,5,5,1	
982	950	959	M=2,2,1	NSL=6,20	MS=965,965	G=3,1,1,1	
987	955	957	M=2,2,1	NSL=1,15	MS=965,965	G=1,1,1,7	
C ===== BALOK LANTAI 10 =====							
C ===== SEJAJAR SUMBU X =====							
1001	1001	1002	M=2,2,1	NSL=1,15	MS=1065,1065	G=1,6,6,6	LP=-2,0
1002	1002	1003	M=2,2,1	NSL=9,23	MS=1065,1065	G=1,4,4,4	
1003	1003	1004	M=2,2,1	NSL=10,24	MS=1065,1065	G=2,1,1,1	
1008	1011	1012	M=2,2,1	NSL=6,20	MS=1065,1065	G=1,4,4,4	
1009	1012	1013	M=2,2,1	NSL=8,22	MS=1065,1065	G=2,1,1,1	
1013	1017	1018	M=2,2,1		MS=1065,1065	G=8,1,1,1	
1022	1027	1028	M=2,2,1	NSL=6,20	MS=1065,1065	G=1,1,4,4	
1024	1033	1034	M=2,2,1	NSL=6,20	MS=1065,1065	G=1,1,4,4	
1026	1039	1040	M=2,2,1		MS=1065,1065	G=8,1,1,1	
1035	1049	1050	M=2,2,1	NSL=6,20	MS=1065,1065	G=1,4,4,4	
1036	1050	1051	M=2,2,1	NSL=8,22	MS=1065,1065	G=2,1,1,1	
1040	1057	1058	M=2,2,1	NSL=1,15	MS=1065,1065	G=1,6,6,6	
1041	1058	1059	M=2,2,1	NSL=9,23	MS=1065,1065	G=1,4,4,4	
1042	1059	1060	M=2,2,1	NSL=10,24	MS=1065,1065	G=2,1,1,1	
C ===== SEJAJAR SUMBU Y =====							
1047	1001	1009	M=2,2,1	NSL=1,15	MS=1065,1065	G=1,5,7,1	LP=3,0
1048	1003	1012	M=2,2,1	NSL=6,20	MS=1065,1065	G=3,1,1,1	
1053	1009	1011	M=2,2,1	NSL=9,23	MS=1065,1065	G=1,1,1,5	
1055	1011	1027	M=2,2,1	NSL=10,24	MS=1065,1065	G=1,5,5,5	
1056	1012	1017	M=2,2,1	NSL=5,19	MS=1065,1065	G=3,1,1,3	
1061	1017	1028	M=2,2,1		MS=1065,1065	G=1,1,2,1	
1063	1024	1030	M=2,2,1		MS=1065,1065	G=1,1,2,1	
1065	1027	1033	M=2,2,1	NSL=10,24	MS=1065,1065	G=1,5,5,5	
1066	1028	1034	M=2,2,1		MS=1065,1065	G=3,1,1,1	
1071	1033	1049	M=2,2,1	NSL=10,24	MS=1065,1065	G=1,5,5,5	
1072	1034	1039	M=2,2,1		MS=1065,1065	G=1,1,1,2	
1074	1036	1046	M=2,2,1		MS=1065,1065	G=1,1,1,2	
1077	1039	1050	M=2,2,1	NSL=5,19	MS=1065,1065	G=3,1,3,1	
1081	1049	1055	M=2,2,1	NSL=9,23	MS=1065,1065	G=1,5,5,1	
1082	1050	1059	M=2,2,1	NSL=6,20	MS=1065,1065	G=3,1,1,1	
1087	1055	1057	M=2,2,1	NSL=1,15	MS=1065,1065	G=1,1,1,7	
C ===== BALOK LANTAI 11 =====							
C ===== SEJAJAR SUMBU X =====							
1101	1101	1102	M=2,2,1	NSL=1,15	MS=1165,1165	G=1,6,6,6	LP=-2,0
1102	1102	1103	M=2,2,1	NSL=9,23	MS=1165,1165	G=1,4,4,4	
1103	1103	1104	M=2,2,1	NSL=10,24	MS=1165,1165	G=2,1,1,1	
1108	1111	1112	M=2,2,1	NSL=6,20	MS=1165,1165	G=1,4,4,4	
1109	1112	1113	M=2,2,1	NSL=8,22	MS=1165,1165	G=2,1,1,1	
1113	1117	1118	M=2,2,1		MS=1165,1165	G=8,1,1,1	
1122	1127	1128	M=2,2,1	NSL=6,20	MS=1165,1165	G=1,1,4,4	
1124	1133	1134	M=2,2,1	NSL=6,20	MS=1165,1165	G=1,1,4,4	
1126	1139	1140	M=2,2,1		MS=1165,1165	G=8,1,1,1	
1135	1149	1150	M=2,2,1	NSL=6,20	MS=1165,1165	G=1,4,4,4	
1136	1150	1151	M=2,2,1	NSL=8,22	MS=1165,1165	G=2,1,1,1	
1140	1157	1158	M=2,2,1	NSL=1,15	MS=1165,1165	G=1,6,6,6	
1141	1158	1159	M=2,2,1	NSL=9,23	MS=1165,1165	G=1,4,4,4	
1142	1159	1160	M=2,2,1	NSL=10,24	MS=1165,1165	G=2,1,1,1	
C ===== SEJAJAR SUMBU Y =====							
1147	1101	1109	M=2,2,1	NSL=1,15	MS=1165,1165	G=1,5,7,1	LP=3,0
1148	1103	1112	M=2,2,1	NSL=6,20	MS=1165,1165	G=3,1,1,1	
1153	1109	1111	M=2,2,1	NSL=9,23	MS=1165,1165	G=1,1,1,5	
1155	1111	1127	M=2,2,1	NSL=10,24	MS=1165,1165	G=1,5,5,5	
1156	1112	1117	M=2,2,1	NSL=5,19	MS=1165,1165	G=3,1,1,3	
1161	1117	1128	M=2,2,1		MS=1165,1165	G=1,1,2,1	
1163	1124	1130	M=2,2,1		MS=1165,1165	G=1,1,2,1	
1165	1127	1133	M=2,2,1	NSL=10,24	MS=1165,1165	G=1,5,5,5	
1166	1128	1134	M=2,2,1		MS=1165,1165	G=3,1,1,1	
1171	1133	1149	M=2,2,1	NSL=10,24	MS=1165,1165	G=1,5,5,5	
1172	1134	1139	M=2,2,1		MS=1165,1165	G=1,1,1,2	
1174	1136	1146	M=2,2,1		MS=1165,1165	G=1,1,1,2	
1177	1139	1150	M=2,2,1	NSL=5,19	MS=1165,1165	G=3,1,3,1	

1181	1149	1155	M=2,2,1	NSL=9,23	MS=1165,1165	G=1,5,5,1	
1182	1150	1159	M=2,2,1	NSL=6,20	MS=1165,1165	G=3,1,1,1	
1187	1155	1157	M=2,2,1	NSL=1,15	MS=1165,1165	G=1,1,1,7	
C ===== BALOK LANTAI 12 =====							
C ===== SEJAJAR SUMBU X =====							
1201	1201	1202	M=2,2,1	NSL=1,15	MS=1265,1265	G=1,6,6,6	LP=-2,0
1202	1202	1203	M=2,2,1	NSL=9,23	MS=1265,1265	G=1,4,4,4	
1203	1203	1204	M=2,2,1	NSL=10,24	MS=1265,1265	G=2,1,1,1	
1208	1211	1212	M=2,2,1	NSL=6,20	MS=1265,1265	G=1,4,4,4	
1209	1212	1213	M=2,2,1	NSL=8,22	MS=1265,1265	G=2,1,1,1	
1213	1217	1218	M=2,2,1		MS=1265,1265	G=8,1,1,1	
1222	1227	1228	M=2,2,1	NSL=6,20	MS=1265,1265	G=1,1,4,4	
1224	1233	1234	M=2,2,1	NSL=6,20	MS=1265,1265	G=1,1,4,4	
1226	1239	1240	M=2,2,1		MS=1265,1265	G=8,1,1,1	
1235	1249	1250	M=2,2,1	NSL=6,20	MS=1265,1265	G=1,4,4,4	
1236	1250	1251	M=2,2,1	NSL=8,22	MS=1265,1265	G=2,1,1,1	
1240	1257	1258	M=2,2,1	NSL=1,15	MS=1265,1265	G=1,6,6,6	
1241	1258	1259	M=2,2,1	NSL=9,23	MS=1265,1265	G=1,4,4,4	
1242	1259	1260	M=2,2,1	NSL=10,24	MS=1265,1265	G=2,1,1,1	
C ===== SEJAJAR SUMBU Y =====							
1247	1201	1209	M=2,2,1	NSL=1,15	MS=1265,1265	G=1,5,7,1	LP=3,0
1248	1203	1212	M=2,2,1	NSL=6,20	MS=1265,1265	G=3,1,1,1	
1253	1209	1211	M=2,2,1	NSL=9,23	MS=1265,1265	G=1,1,1,5	
1255	1211	1227	M=2,2,1	NSL=10,24	MS=1265,1265	G=1,5,5,5	
1256	1212	1217	M=2,2,1	NSL=5,19	MS=1265,1265	G=3,1,1,3	
1261	1217	1228	M=2,2,1		MS=1265,1265	G=1,1,2,1	
1263	1224	1230	M=2,2,1		MS=1265,1265	G=1,1,2,1	
1265	1227	1233	M=2,2,1	NSL=10,24	MS=1265,1265	G=1,5,5,5	
1266	1228	1234	M=2,2,1		MS=1265,1265	G=3,1,1,1	
1271	1233	1249	M=2,2,1	NSL=10,24	MS=1265,1265	G=1,5,5,5	
1272	1234	1239	M=2,2,1		MS=1265,1265	G=1,1,1,2	
1274	1236	1246	M=2,2,1		MS=1265,1265	G=1,1,1,2	
1277	1239	1250	M=2,2,1	NSL=5,19	MS=1265,1265	G=3,1,3,1	
1281	1249	1255	M=2,2,1	NSL=9,23	MS=1265,1265	G=1,5,5,1	
1282	1250	1259	M=2,2,1	NSL=6,20	MS=1265,1265	G=3,1,1,1	
1287	1255	1257	M=2,2,1	NSL=1,15	MS=1265,1265	G=1,1,1,7	
C ===== BALOK LANTAI 13 =====							
C ===== SEJAJAR SUMBU X =====							
1301	1301	1302	M=2,2,1	NSL=1,15	MS=1365,1365	G=1,6,6,6	LP=-2,0
1302	1302	1303	M=2,2,1	NSL=9,23	MS=1365,1365	G=1,4,4,4	
1303	1303	1304	M=2,2,1	NSL=10,24	MS=1365,1365	G=2,1,1,1	
1308	1311	1312	M=2,2,1	NSL=6,20	MS=1365,1365	G=1,4,4,4	
1309	1312	1313	M=2,2,1	NSL=8,22	MS=1365,1365	G=2,1,1,1	
1313	1317	1318	M=2,2,1		MS=1365,1365	G=8,1,1,1	
1322	1327	1328	M=2,2,1	NSL=6,20	MS=1365,1365	G=1,1,4,4	
1324	1333	1334	M=2,2,1	NSL=6,20	MS=1365,1365	G=1,1,4,4	
1326	1339	1340	M=2,2,1		MS=1365,1365	G=8,1,1,1	
1335	1349	1350	M=2,2,1	NSL=6,20	MS=1365,1365	G=1,4,4,4	
1336	1350	1351	M=2,2,1	NSL=8,22	MS=1365,1365	G=2,1,1,1	
1340	1357	1358	M=2,2,1	NSL=1,15	MS=1365,1365	G=1,6,6,6	
1341	1358	1359	M=2,2,1	NSL=9,23	MS=1365,1365	G=1,4,4,4	
1342	1359	1360	M=2,2,1	NSL=10,24	MS=1365,1365	G=2,1,1,1	
C ===== SEJAJAR SUMBU Y =====							
1347	1301	1309	M=2,2,1	NSL=1,15	MS=1365,1365	G=1,5,7,1	LP=3,0
1348	1303	1312	M=2,2,1	NSL=6,20	MS=1365,1365	G=3,1,1,1	
1353	1309	1311	M=2,2,1	NSL=9,23	MS=1365,1365	G=1,1,1,5	
1355	1311	1327	M=2,2,1	NSL=10,24	MS=1365,1365	G=1,5,5,5	
1356	1312	1317	M=2,2,1	NSL=5,19	MS=1365,1365	G=3,1,1,3	
1361	1317	1328	M=2,2,1		MS=1365,1365	G=1,1,2,1	
1363	1324	1330	M=2,2,1		MS=1365,1365	G=1,1,2,1	
1365	1327	1333	M=2,2,1	NSL=10,24	MS=1365,1365	G=1,5,5,5	
1366	1328	1334	M=2,2,1		MS=1365,1365	G=3,1,1,1	
1371	1333	1349	M=2,2,1	NSL=10,24	MS=1365,1365	G=1,5,5,5	
1372	1334	1339	M=2,2,1		MS=1365,1365	G=1,1,1,2	
1374	1336	1346	M=2,2,1		MS=1365,1365	G=1,1,1,2	
1377	1339	1350	M=2,2,1	NSL=5,19	MS=1365,1365	G=3,1,3,1	
1381	1349	1355	M=2,2,1	NSL=9,23	MS=1365,1365	G=1,5,5,1	
1382	1350	1359	M=2,2,1	NSL=6,20	MS=1365,1365	G=3,1,1,1	
1387	1355	1357	M=2,2,1	NSL=1,15	MS=1365,1365	G=1,1,1,7	
C ===== BALOK LANTAI 14 =====							
C ===== SEJAJAR SUMBU X =====							
1401	1401	1402	M=2,2,1	NSL=1,15	MS=1465,1465	G=1,6,6,6	LP=-2,0
1402	1402	1403	M=2,2,1	NSL=9,23	MS=1465,1465	G=1,4,4,4	
1403	1403	1404	M=2,2,1	NSL=10,24	MS=1465,1465	G=2,1,1,1	
1408	1411	1412	M=2,2,1	NSL=6,20	MS=1465,1465	G=1,4,4,4	
1409	1412	1413	M=2,2,1	NSL=8,22	MS=1465,1465	G=2,1,1,1	
1413	1417	1418	M=2,2,1		MS=1465,1465	G=8,1,1,1	
1422	1427	1428	M=2,2,1	NSL=6,20	MS=1465,1465	G=1,1,4,4	
1424	1433	1434	M=2,2,1	NSL=6,20	MS=1465,1465	G=1,1,4,4	
1426	1439	1440	M=2,2,1		MS=1465,1465	G=8,1,1,1	
1435	1449	1450	M=2,2,1	NSL=6,20	MS=1465,1465	G=1,4,4,4	

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1436	1450	1451	M=2,2,1	NSL=8,22	MS=1465,1465	G=2,1,1,1	
1440	1457	1458	M=2,2,1	NSL=1,15	MS=1465,1465	G=1,6,6,6	
1441	1458	1459	M=2,2,1	NSL=9,23	MS=1465,1465	G=1,4,4,4	
1442	1459	1460	M=2,2,1	NSL=10,24	MS=1465,1465	G=2,1,1,1	
C ===== SEJAJAR SUMBU Y =====							
1447	1401	1409	M=2,2,1	NSL=1,15	MS=1465,1465	G=1,5,7,1	LP=3,0
1448	1403	1412	M=2,2,1	NSL=6,20	MS=1465,1465	G=3,1,1,1	
1453	1409	1411	M=2,2,1	NSL=9,23	MS=1465,1465	G=1,1,1,5	
1455	1411	1427	M=2,2,1	NSL=10,24	MS=1465,1465	G=1,5,5,5	
1456	1412	1417	M=2,2,1	NSL=5,19	MS=1465,1465	G=3,1,1,3	
1461	1417	1428	M=2,2,1		MS=1465,1465	G=1,1,2,1	
1463	1424	1430	M=2,2,1		MS=1465,1465	G=1,1,2,1	
1465	1427	1433	M=2,2,1	NSL=10,24	MS=1465,1465	G=1,5,5,5	
1466	1428	1434	M=2,2,1		MS=1465,1465	G=3,1,1,1	
1471	1433	1449	M=2,2,1	NSL=10,24	MS=1465,1465	G=1,5,5,5	
1472	1434	1439	M=2,2,1		MS=1465,1465	G=1,1,1,2	
1474	1436	1446	M=2,2,1		MS=1465,1465	G=1,1,1,2	
1477	1439	1450	M=2,2,1	NSL=5,19	MS=1465,1465	G=3,1,3,1	
1481	1449	1455	M=2,2,1	NSL=9,23	MS=1465,1465	G=1,5,5,1	
1482	1450	1459	M=2,2,1	NSL=6,20	MS=1465,1465	G=3,1,1,1	
1487	1455	1457	M=2,2,1	NSL=1,15	MS=1465,1465	G=1,1,1,7	
C ===== BALOK LANTAI 15 =====							
C ===== SEJAJAR SUMBU X =====							
1501	1501	1502	M=2,2,1	NSL=1,15	MS=1565,1565	G=1,6,6,6	LP=-2,0
1502	1502	1503	M=2,2,1	NSL=9,23	MS=1565,1565	G=1,4,4,4	
1503	1503	1504	M=2,2,1	NSL=10,24	MS=1565,1565	G=2,1,1,1	
1508	1511	1512	M=2,2,1	NSL=6,20	MS=1565,1565	G=1,4,4,4	
1509	1512	1513	M=2,2,1	NSL=8,22	MS=1565,1565	G=2,1,1,1	
1513	1517	1518	M=2,2,1		MS=1565,1565	G=8,1,1,1	
1522	1527	1528	M=2,2,1	NSL=6,20	MS=1565,1565	G=1,1,4,4	
1524	1533	1534	M=2,2,1	NSL=6,20	MS=1565,1565	G=1,1,4,4	
1526	1539	1540	M=2,2,1		MS=1565,1565	G=8,1,1,1	
1535	1549	1550	M=2,2,1	NSL=6,20	MS=1565,1565	G=1,4,4,4	
1536	1550	1551	M=2,2,1	NSL=8,22	MS=1565,1565	G=2,1,1,1	
1540	1557	1558	M=2,2,1	NSL=1,15	MS=1565,1565	G=1,6,6,6	
1541	1558	1559	M=2,2,1	NSL=9,23	MS=1565,1565	G=1,4,4,4	
1542	1559	1560	M=2,2,1	NSL=10,24	MS=1565,1565	G=2,1,1,1	
C ===== SEJAJAR SUMBU Y =====							
1547	1501	1509	M=2,2,1	NSL=1,15	MS=1565,1565	G=1,5,7,1	LP=3,0
1548	1503	1512	M=2,2,1	NSL=6,20	MS=1565,1565	G=3,1,1,1	
1553	1509	1511	M=2,2,1	NSL=9,23	MS=1565,1565	G=1,1,1,5	
1555	1511	1527	M=2,2,1	NSL=10,24	MS=1565,1565	G=1,5,5,5	
1556	1512	1517	M=2,2,1	NSL=5,19	MS=1565,1565	G=3,1,1,3	
1561	1517	1528	M=2,2,1		MS=1565,1565	G=1,1,2,1	
1563	1524	1530	M=2,2,1		MS=1565,1565	G=1,1,2,1	
1565	1527	1533	M=2,2,1	NSL=10,24	MS=1565,1565	G=1,5,5,5	
1566	1528	1534	M=2,2,1		MS=1565,1565	G=3,1,1,1	
1571	1533	1549	M=2,2,1	NSL=10,24	MS=1565,1565	G=1,5,5,5	
1572	1534	1539	M=2,2,1		MS=1565,1565	G=1,1,1,2	
1574	1536	1546	M=2,2,1		MS=1565,1565	G=1,1,1,2	
1577	1539	1550	M=2,2,1	NSL=5,19	MS=1565,1565	G=3,1,3,1	
1581	1549	1555	M=2,2,1	NSL=9,23	MS=1565,1565	G=1,5,5,1	
1582	1550	1559	M=2,2,1	NSL=6,20	MS=1565,1565	G=3,1,1,1	
1587	1555	1557	M=2,2,1	NSL=1,15	MS=1565,1565	G=1,1,1,7	
C ===== BALOK LANTAI 16 =====							
C ===== SEJAJAR SUMBU X =====							
1601	1601	1602	M=2,2,1	NSL=1,15	MS=1665,1665	G=1,6,6,6	LP=-2,0
1602	1602	1603	M=2,2,1	NSL=9,23	MS=1665,1665	G=1,4,4,4	
1603	1603	1604	M=2,2,1	NSL=10,24	MS=1665,1665	G=2,1,1,1	
1608	1611	1612	M=2,2,1	NSL=6,20	MS=1665,1665	G=1,4,4,4	
1609	1612	1613	M=2,2,1	NSL=8,22	MS=1665,1665	G=2,1,1,1	
1613	1617	1618	M=2,2,1		MS=1665,1665	G=8,1,1,1	
1622	1627	1628	M=2,2,1	NSL=6,20	MS=1665,1665	G=1,1,4,4	
1624	1633	1634	M=2,2,1	NSL=6,20	MS=1665,1665	G=1,1,4,4	
1626	1639	1640	M=2,2,1		MS=1665,1665	G=8,1,1,1	
1635	1649	1650	M=2,2,1	NSL=6,20	MS=1665,1665	G=1,4,4,4	
1636	1650	1651	M=2,2,1	NSL=8,22	MS=1665,1665	G=2,1,1,1	
1640	1657	1658	M=2,2,1	NSL=1,15	MS=1665,1665	G=1,6,6,6	
1641	1658	1659	M=2,2,1	NSL=9,23	MS=1665,1665	G=1,4,4,4	
1642	1659	1660	M=2,2,1	NSL=10,24	MS=1665,1665	G=2,1,1,1	
C ===== SEJAJAR SUMBU Y =====							
1647	1601	1609	M=2,2,1	NSL=1,15	MS=1665,1665	G=1,5,7,1	LP=3,0
1648	1603	1612	M=2,2,1	NSL=6,20	MS=1665,1665	G=3,1,1,1	
1653	1609	1611	M=2,2,1	NSL=9,23	MS=1665,1665	G=1,1,1,5	
1655	1611	1627	M=2,2,1	NSL=10,24	MS=1665,1665	G=1,5,5,5	
1656	1612	1617	M=2,2,1	NSL=5,19	MS=1665,1665	G=3,1,1,3	
1661	1617	1628	M=2,2,1		MS=1665,1665	G=1,1,2,1	
1663	1624	1630	M=2,2,1		MS=1665,1665	G=1,1,2,1	
1665	1627	1633	M=2,2,1	NSL=10,24	MS=1665,1665	G=1,5,5,5	
1666	1628	1634	M=2,2,1		MS=1665,1665	G=3,1,1,1	
1671	1633	1649	M=2,2,1	NSL=10,24	MS=1665,1665	G=1,5,5,5	

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1672	1634	1639	M=2,2,1	MS=1665,1665	G=1,1,1,2	
1674	1636	1646	M=2,2,1	MS=1665,1665	G=1,1,1,2	
1677	1639	1650	M=2,2,1 NSL=5,19	MS=1665,1665	G=3,1,3,1	
1681	1649	1655	M=2,2,1 NSL=9,23	MS=1665,1665	G=1,5,5,1	
1682	1650	1659	M=2,2,1 NSL=6,20	MS=1665,1665	G=3,1,1,1	
1687	1655	1657	M=2,2,1 NSL=1,15	MS=1665,1665	G=1,1,1,7	
C ===== BALOK LANTAI 17 =====						
C ===== SEJAJAR SUMBU X =====						
1701	1701	1702	M=2,2,1 NSL=1,15	MS=1765,1765	G=1,6,6,6	LP=-2,0
1702	1702	1703	M=2,2,1 NSL=9,23	MS=1765,1765	G=1,4,4,4	
1703	1703	1704	M=2,2,1 NSL=10,24	MS=1765,1765	G=2,1,1,1	
1708	1711	1712	M=2,2,1 NSL=6,20	MS=1765,1765	G=1,4,4,4	
1709	1712	1713	M=2,2,1 NSL=8,22	MS=1765,1765	G=2,1,1,1	
1713	1717	1718	M=2,2,1	MS=1765,1765	G=8,1,1,1	
1722	1727	1728	M=2,2,1 NSL=6,20	MS=1765,1765	G=1,1,4,4	
1724	1733	1734	M=2,2,1 NSL=6,20	MS=1765,1765	G=1,1,4,4	
1726	1739	1740	M=2,2,1	MS=1765,1765	G=8,1,1,1	
1735	1749	1750	M=2,2,1 NSL=6,20	MS=1765,1765	G=1,4,4,4	
1736	1750	1751	M=2,2,1 NSL=8,22	MS=1765,1765	G=2,1,1,1	
1740	1757	1758	M=2,2,1 NSL=1,15	MS=1765,1765	G=1,6,6,6	
1741	1758	1759	M=2,2,1 NSL=9,23	MS=1765,1765	G=1,4,4,4	
1742	1759	1760	M=2,2,1 NSL=10,24	MS=1765,1765	G=2,1,1,1	
C ===== SEJAJAR SUMBU Y =====						
1747	1701	1709	M=2,2,1 NSL=1,15	MS=1765,1765	G=1,5,7,1	LP=3,0
1748	1703	1712	M=2,2,1 NSL=6,20	MS=1765,1765	G=3,1,1,1	
1753	1709	1711	M=2,2,1 NSL=9,23	MS=1765,1765	G=1,1,1,5	
1755	1711	1727	M=2,2,1 NSL=10,24	MS=1765,1765	G=1,5,5,5	
1756	1712	1717	M=2,2,1 NSL=5,19	MS=1765,1765	G=3,1,1,3	
1761	1717	1728	M=2,2,1	MS=1765,1765	G=1,1,2,1	
1763	1724	1730	M=2,2,1	MS=1765,1765	G=1,1,2,1	
1765	1727	1733	M=2,2,1 NSL=10,24	MS=1765,1765	G=1,5,5,5	
1766	1728	1734	M=2,2,1	MS=1765,1765	G=3,1,1,1	
1771	1733	1749	M=2,2,1 NSL=10,24	MS=1765,1765	G=1,5,5,5	
1772	1734	1739	M=2,2,1	MS=1765,1765	G=1,1,1,2	
1774	1736	1746	M=2,2,1	MS=1765,1765	G=1,1,1,2	
1777	1739	1750	M=2,2,1 NSL=5,19	MS=1765,1765	G=3,1,3,1	
1781	1749	1755	M=2,2,1 NSL=9,23	MS=1765,1765	G=1,5,5,1	
1782	1750	1759	M=2,2,1 NSL=6,20	MS=1765,1765	G=3,1,1,1	
1787	1755	1757	M=2,2,1 NSL=1,15	MS=1765,1765	G=1,1,1,7	
C ===== BALOK LANTAI 18 =====						
C ===== SEJAJAR SUMBU X =====						
1801	1801	1802	M=2,2,1 NSL=1,15	MS=1865,1865	G=1,6,6,6	LP=-2,0
1802	1802	1803	M=2,2,1 NSL=9,23	MS=1865,1865	G=1,4,4,4	
1803	1803	1804	M=2,2,1 NSL=10,24	MS=1865,1865	G=2,1,1,1	
1808	1811	1812	M=2,2,1 NSL=6,20	MS=1865,1865	G=1,4,4,4	
1809	1812	1813	M=2,2,1 NSL=8,22	MS=1865,1865	G=2,1,1,1	
1813	1817	1818	M=2,2,1	MS=1865,1865	G=8,1,1,1	
1822	1827	1828	M=2,2,1 NSL=6,20	MS=1865,1865	G=1,1,4,4	
1824	1833	1834	M=2,2,1 NSL=6,20	MS=1865,1865	G=1,1,4,4	
1826	1839	1840	M=2,2,1	MS=1865,1865	G=8,1,1,1	
1835	1849	1850	M=2,2,1 NSL=6,20	MS=1865,1865	G=1,4,4,4	
1836	1850	1851	M=2,2,1 NSL=8,22	MS=1865,1865	G=2,1,1,1	
1840	1857	1858	M=2,2,1 NSL=1,15	MS=1865,1865	G=1,6,6,6	
1841	1858	1859	M=2,2,1 NSL=9,23	MS=1865,1865	G=1,4,4,4	
1842	1859	1860	M=2,2,1 NSL=10,24	MS=1865,1865	G=2,1,1,1	
C ===== SEJAJAR SUMBU Y =====						
1847	1801	1809	M=2,2,1 NSL=1,15	MS=1865,1865	G=1,5,7,1	LP=3,0
1848	1803	1812	M=2,2,1 NSL=6,20	MS=1865,1865	G=3,1,1,1	
1853	1809	1811	M=2,2,1 NSL=9,23	MS=1865,1865	G=1,1,1,5	
1855	1811	1827	M=2,2,1 NSL=10,24	MS=1865,1865	G=1,5,5,5	
1856	1812	1817	M=2,2,1 NSL=5,19	MS=1865,1865	G=3,1,1,3	
1861	1817	1828	M=2,2,1	MS=1865,1865	G=1,1,2,1	
1863	1824	1830	M=2,2,1	MS=1865,1865	G=1,1,2,1	
1865	1827	1833	M=2,2,1 NSL=10,24	MS=1865,1865	G=1,5,5,5	
1866	1828	1834	M=2,2,1	MS=1865,1865	G=3,1,1,1	
1871	1833	1849	M=2,2,1 NSL=10,24	MS=1865,1865	G=1,5,5,5	
1872	1834	1839	M=2,2,1	MS=1865,1865	G=1,1,1,2	
1874	1836	1846	M=2,2,1	MS=1865,1865	G=1,1,1,2	
1877	1839	1850	M=2,2,1 NSL=5,19	MS=1865,1865	G=3,1,3,1	
1881	1849	1855	M=2,2,1 NSL=9,23	MS=1865,1865	G=1,5,5,1	
1882	1850	1859	M=2,2,1 NSL=6,20	MS=1865,1865	G=3,1,1,1	
1887	1855	1857	M=2,2,1 NSL=1,15	MS=1865,1865	G=1,1,1,7	
C ===== BALOK LANTAI 19 =====						
C ===== SEJAJAR SUMBU X =====						
1901	1901	1902	M=2,2,1 NSL=1,15	MS=1965,1965	G=1,6,6,6	LP=-2,0
1902	1902	1903	M=2,2,1 NSL=9,23	MS=1965,1965	G=1,4,4,4	
1903	1903	1904	M=2,2,1 NSL=10,24	MS=1965,1965	G=2,1,1,1	
1908	1911	1912	M=2,2,1 NSL=6,20	MS=1965,1965	G=1,4,4,4	
1909	1912	1913	M=2,2,1 NSL=8,22	MS=1965,1965	G=2,1,1,1	
1913	1917	1918	M=2,2,1	MS=1965,1965	G=8,1,1,1	
1922	1927	1928	M=2,2,1 NSL=6,20	MS=1965,1965	G=1,1,4,4	

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1924	1933	1934	M=2,2,1	NSL=6,20	MS=1965,1965	G=1,1,4,4	
1926	1939	1940	M=2,2,1		MS=1965,1965	G=8,1,1,1	
1935	1949	1950	M=2,2,1	NSL=6,20	MS=1965,1965	G=1,4,4,4	
1936	1950	1951	M=2,2,1	NSL=8,22	MS=1965,1965	G=2,1,1,1	
1940	1957	1958	M=2,2,1	NSL=1,15	MS=1965,1965	G=1,6,6,6	
1941	1958	1959	M=2,2,1	NSL=9,23	MS=1965,1965	G=1,4,4,4	
1942	1959	1960	M=2,2,1	NSL=10,24	MS=1965,1965	G=2,1,1,1	
C ===== SEJAJAR SUMBU Y =====							
1947	1901	1909	M=2,2,1	NSL=1,15	MS=1965,1965	G=1,5,7,1	LP=3,0
1948	1903	1912	M=2,2,1	NSL=6,20	MS=1965,1965	G=3,1,1,1	
1953	1909	1911	M=2,2,1	NSL=9,23	MS=1965,1965	G=1,1,1,5	
1955	1911	1927	M=2,2,1	NSL=10,24	MS=1965,1965	G=1,5,5,5	
1956	1912	1917	M=2,2,1	NSL=5,19	MS=1965,1965	G=3,1,1,3	
1961	1917	1928	M=2,2,1		MS=1965,1965	G=1,1,2,1	
1963	1924	1930	M=2,2,1		MS=1965,1965	G=1,1,2,1	
1965	1927	1933	M=2,2,1	NSL=10,24	MS=1965,1965	G=1,5,5,5	
1966	1928	1934	M=2,2,1		MS=1965,1965	G=3,1,1,1	
1971	1933	1949	M=2,2,1	NSL=10,24	MS=1965,1965	G=1,5,5,5	
1972	1934	1939	M=2,2,1		MS=1965,1965	G=1,1,1,2	
1974	1936	1946	M=2,2,1		MS=1965,1965	G=1,1,1,2	
1977	1939	1950	M=2,2,1	NSL=5,19	MS=1965,1965	G=3,1,3,1	
1981	1949	1955	M=2,2,1	NSL=9,23	MS=1965,1965	G=1,5,5,1	
1982	1950	1959	M=2,2,1	NSL=6,20	MS=1965,1965	G=3,1,1,1	
1987	1955	1957	M=2,2,1	NSL=1,15	MS=1965,1965	G=1,1,1,7	
C ===== BALOK LANTAI 20 =====							
C ===== SEJAJAR SUMBU X =====							
2001	2001	2002	M=2,2,1	NSL=1,15	MS=2065,2065	G=1,6,6,6	LP=-2,0
2002	2002	2003	M=2,2,1	NSL=9,23	MS=2065,2065	G=1,4,4,4	
2003	2003	2004	M=2,2,1	NSL=10,24	MS=2065,2065	G=2,1,1,1	
2008	2011	2012	M=2,2,1	NSL=6,20	MS=2065,2065	G=1,4,4,4	
2009	2012	2013	M=2,2,1	NSL=8,22	MS=2065,2065	G=2,1,1,1	
2013	2017	2018	M=2,2,1		MS=2065,2065	G=8,1,1,1	
2022	2027	2028	M=2,2,1	NSL=6,20	MS=2065,2065	G=1,1,4,4	
2024	2033	2034	M=2,2,1	NSL=6,20	MS=2065,2065	G=1,1,4,4	
2026	2039	2040	M=2,2,1		MS=2065,2065	G=8,1,1,1	
2035	2049	2050	M=2,2,1	NSL=6,20	MS=2065,2065	G=1,4,4,4	
2036	2050	2051	M=2,2,1	NSL=8,22	MS=2065,2065	G=2,1,1,1	
2040	2057	2058	M=2,2,1	NSL=1,15	MS=2065,2065	G=1,6,6,6	
2041	2058	2059	M=2,2,1	NSL=9,23	MS=2065,2065	G=1,4,4,4	
2042	2059	2060	M=2,2,1	NSL=10,24	MS=2065,2065	G=2,1,1,1	
C ===== SEJAJAR SUMBU Y =====							
2047	2001	2009	M=2,2,1	NSL=1,15	MS=2065,2065	G=1,5,7,1	LP=3,0
2048	2003	2012	M=2,2,1	NSL=6,20	MS=2065,2065	G=3,1,1,1	
2053	2009	2011	M=2,2,1	NSL=9,23	MS=2065,2065	G=1,1,1,5	
2055	2011	2027	M=2,2,1	NSL=10,24	MS=2065,2065	G=1,5,5,5	
2056	2012	2017	M=2,2,1	NSL=5,19	MS=2065,2065	G=3,1,1,3	
2061	2017	2028	M=2,2,1		MS=2065,2065	G=1,1,2,1	
2063	2024	2030	M=2,2,1		MS=2065,2065	G=1,1,2,1	
2065	2027	2033	M=2,2,1	NSL=10,24	MS=2065,2065	G=1,5,5,5	
2066	2028	2034	M=2,2,1		MS=2065,2065	G=3,1,1,1	
2071	2033	2049	M=2,2,1	NSL=10,24	MS=2065,2065	G=1,5,5,5	
2072	2034	2039	M=2,2,1		MS=2065,2065	G=1,1,1,2	
2074	2036	2046	M=2,2,1		MS=2065,2065	G=1,1,1,2	
2077	2039	2050	M=2,2,1	NSL=5,19	MS=2065,2065	G=3,1,3,1	
2081	2049	2055	M=2,2,1	NSL=9,23	MS=2065,2065	G=1,5,5,1	
2082	2050	2059	M=2,2,1	NSL=6,20	MS=2065,2065	G=3,1,1,1	
2087	2055	2057	M=2,2,1	NSL=1,15	MS=2065,2065	G=1,1,1,7	
C ===== BALOK LANTAI 21 =====							
C ===== SEJAJAR SUMBU X =====							
2101	2101	2102	M=2,2,1	NSL=1,15	MS=2165,2165	G=1,6,6,6	LP=-2,0
2102	2102	2103	M=2,2,1	NSL=9,23	MS=2165,2165	G=1,4,4,4	
2103	2103	2104	M=2,2,1	NSL=10,25	MS=2165,2165	G=2,1,1,1	
2108	2111	2112	M=2,2,1	NSL=6,20	MS=2165,2165	G=1,4,4,4	
2109	2112	2113	M=2,2,1	NSL=8,22	MS=2165,2165	G=2,1,1,1	
2113	2117	2118	M=2,2,1		MS=2165,2165	G=8,1,1,1	
2122	2127	2128	M=2,2,1	NSL=6,20	MS=2165,2165	G=1,1,4,4	
2124	2133	2134	M=2,2,1	NSL=6,20	MS=2165,2165	G=1,1,4,4	
2126	2139	2140	M=2,2,1		MS=2165,2165	G=8,1,1,1	
2135	2149	2150	M=2,2,1	NSL=6,20	MS=2165,2165	G=1,4,4,4	
2136	2150	2151	M=2,2,1	NSL=8,22	MS=2165,2165	G=2,1,1,1	
2140	2157	2158	M=2,2,1	NSL=1,15	MS=2165,2165	G=1,6,6,6	
2141	2158	2159	M=2,2,1	NSL=9,23	MS=2165,2165	G=1,4,4,4	
2142	2159	2160	M=2,2,1	NSL=10,24	MS=2165,2165	G=2,1,1,1	
C ===== SEJAJAR SUMBU Y =====							
2147	2101	2109	M=2,2,1	NSL=1,15	MS=2165,2165	G=1,5,7,1	LP=3,0
2148	2103	2112	M=2,2,1	NSL=6,20	MS=2165,2165	G=3,1,1,1	
2153	2109	2111	M=2,2,1	NSL=9,23	MS=2165,2165	G=1,1,1,5	
2155	2111	2127	M=2,2,1	NSL=10,24	MS=2165,2165	G=1,5,5,5	
2156	2112	2117	M=2,2,1	NSL=5,19	MS=2165,2165	G=3,1,1,3	
2161	2117	2128	M=2,2,1		MS=2165,2165	G=1,1,2,1	
2163	2124	2130	M=2,2,1		MS=2165,2165	G=1,1,2,1	

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2165	2127	2133	M=2,2,1	NSL=10,24	MS=2165,2165	G=1,5,5,5	
2166	2128	2134	M=2,2,1		MS=2165,2165	G=3,1,1,1	
2171	2133	2149	M=2,2,1	NSL=10,24	MS=2165,2165	G=1,5,5,5	
2172	2134	2139	M=2,2,1		MS=2165,2165	G=1,1,1,2	
2174	2136	2146	M=2,2,1		MS=2165,2165	G=1,1,1,2	
2177	2139	2150	M=2,2,1	NSL=5,19	MS=2165,2165	G=3,1,3,1	
2181	2149	2155	M=2,2,1	NSL=9,23	MS=2165,2165	G=1,5,5,1	
2182	2150	2159	M=2,2,1	NSL=6,20	MS=2165,2165	G=3,1,1,1	
2187	2155	2157	M=2,2,1	NSL=1,15	MS=2165,2165	G=1,1,1,7	
C ===== BALOK LANTAI 22 =====							
C ===== SEJAJAR SUMBU X =====							
2201	2201	2202	M=2,2,1	NSL=1,15	MS=2265,2265	G=1,6,6,6	LP=-2,0
2202	2202	2203	M=2,2,1	NSL=9,23	MS=2265,2265	G=1,4,4,4	
2203	2203	2204	M=2,2,1	NSL=10,24	MS=2265,2265	G=2,1,1,1	
2208	2211	2212	M=2,2,1	NSL=6,20	MS=2265,2265	G=1,4,4,4	
2209	2212	2213	M=2,2,1	NSL=8,22	MS=2265,2265	G=2,1,1,1	
2213	2217	2218	M=2,2,1		MS=2265,2265	G=8,1,1,1	
2222	2227	2228	M=2,2,1	NSL=6,20	MS=2265,2265	G=1,1,4,4	
2224	2233	2234	M=2,2,1	NSL=6,20	MS=2265,2265	G=1,1,4,4	
2226	2239	2240	M=2,2,1		MS=2265,2265	G=8,1,1,1	
2235	2249	2250	M=2,2,1	NSL=6,20	MS=2265,2265	G=1,4,4,4	
2236	2250	2251	M=2,2,1	NSL=8,22	MS=2265,2265	G=2,1,1,1	
2240	2257	2258	M=2,2,1	NSL=1,15	MS=2265,2265	G=1,6,6,6	
2241	2258	2259	M=2,2,1	NSL=9,23	MS=2265,2265	G=1,4,4,4	
2242	2259	2260	M=2,2,1	NSL=10,24	MS=2265,2265	G=2,1,1,1	
C ===== SEJAJAR SUMBU Y =====							
2247	2201	2209	M=2,2,1	NSL=1,15	MS=2265,2265	G=1,5,7,1	LP=3,0
2248	2203	2212	M=2,2,1	NSL=6,20	MS=2265,2265	G=3,1,1,1	
2253	2209	2211	M=2,2,1	NSL=9,23	MS=2265,2265	G=1,1,1,5	
2255	2211	2227	M=2,2,1	NSL=10,24	MS=2265,2265	G=1,5,5,5	
2256	2212	2217	M=2,2,1	NSL=5,19	MS=2265,2265	G=3,1,1,3	
2261	2217	2228	M=2,2,1		MS=2265,2265	G=1,1,2,1	
2263	2224	2230	M=2,2,1		MS=2265,2265	G=1,1,2,1	
2265	2227	2233	M=2,2,1	NSL=10,24	MS=2265,2265	G=1,5,5,5	
2266	2228	2234	M=2,2,1		MS=2265,2265	G=3,1,1,1	
2271	2233	2249	M=2,2,1	NSL=10,24	MS=2265,2265	G=1,5,5,5	
2272	2234	2239	M=2,2,1		MS=2265,2265	G=1,1,1,2	
2274	2236	2246	M=2,2,1		MS=2265,2265	G=1,1,1,2	
2277	2239	2250	M=2,2,1	NSL=5,19	MS=2265,2265	G=3,1,3,1	
2281	2249	2255	M=2,2,1	NSL=9,23	MS=2265,2265	G=1,5,5,1	
2282	2250	2259	M=2,2,1	NSL=6,20	MS=2265,2265	G=3,1,1,1	
2287	2255	2257	M=2,2,1	NSL=1,15	MS=2265,2265	G=1,1,1,7	
C ===== BALOK LANTAI 23 =====							
C ===== SEJAJAR SUMBU X =====							
2301	2301	2302	M=2,2,1	NSL=1,15	MS=2365,2365	G=1,6,6,6	LP=-2,0
2302	2302	2303	M=2,2,1	NSL=9,23	MS=2365,2365	G=1,4,4,4	
2303	2303	2304	M=2,2,1	NSL=10,24	MS=2365,2365	G=2,1,1,1	
2308	2311	2312	M=2,2,1	NSL=6,20	MS=2365,2365	G=1,4,4,4	
2309	2312	2313	M=2,2,1	NSL=8,22	MS=2365,2365	G=2,1,1,1	
2313	2317	2318	M=2,2,1		MS=2365,2365	G=8,1,1,1	
2322	2327	2328	M=2,2,1	NSL=6,20	MS=2365,2365	G=1,1,4,4	
2324	2333	2334	M=2,2,1	NSL=6,20	MS=2365,2365	G=1,1,4,4	
2326	2339	2340	M=2,2,1		MS=2365,2365	G=8,1,1,1	
2335	2349	2350	M=2,2,1	NSL=6,20	MS=2365,2365	G=1,4,4,4	
2336	2350	2351	M=2,2,1	NSL=8,22	MS=2365,2365	G=2,1,1,1	
2340	2357	2358	M=2,2,1	NSL=1,15	MS=2365,2365	G=1,6,6,6	
2341	2358	2359	M=2,2,1	NSL=9,23	MS=2365,2365	G=1,4,4,4	
2342	2359	2360	M=2,2,1	NSL=10,24	MS=2365,2365	G=2,1,1,1	
C ===== SEJAJAR SUMBU Y =====							
2347	2301	2309	M=2,2,1	NSL=1,15	MS=2365,2365	G=1,5,7,1	LP=3,0
2348	2303	2312	M=2,2,1	NSL=6,20	MS=2365,2365	G=3,1,1,1	
2353	2309	2311	M=2,2,1	NSL=9,23	MS=2365,2365	G=1,1,1,5	
2355	2311	2327	M=2,2,1	NSL=10,24	MS=2365,2365	G=1,5,5,5	
2356	2312	2317	M=2,2,1	NSL=5,19	MS=2365,2365	G=3,1,1,3	
2361	2317	2328	M=2,2,1		MS=2365,2365	G=1,1,2,1	
2363	2324	2330	M=2,2,1		MS=2365,2365	G=1,1,2,1	
2365	2327	2333	M=2,2,1	NSL=10,24	MS=2365,2365	G=1,5,5,5	
2366	2328	2334	M=2,2,1		MS=2365,2365	G=3,1,1,1	
2371	2333	2349	M=2,2,1	NSL=10,24	MS=2365,2365	G=1,5,5,5	
2372	2334	2339	M=2,2,1		MS=2365,2365	G=1,1,1,2	
2374	2336	2346	M=2,2,1		MS=2365,2365	G=1,1,1,2	
2377	2339	2350	M=2,2,1	NSL=5,19	MS=2365,2365	G=3,1,3,1	
2381	2349	2355	M=2,2,1	NSL=9,23	MS=2365,2365	G=1,5,5,1	
2382	2350	2359	M=2,2,1	NSL=6,20	MS=2365,2365	G=3,1,1,1	
2387	2355	2357	M=2,2,1	NSL=1,15	MS=2365,2365	G=1,1,1,7	
C ===== BALOK LANTAI 24 =====							
C ===== SEJAJAR SUMBU X =====							
2401	2401	2402	M=2,2,1	NSL=1,15	MS=2465,2465	G=1,6,6,6	LP=-2,0
2402	2402	2403	M=2,2,1	NSL=9,23	MS=2465,2465	G=1,4,4,4	
2403	2403	2404	M=2,2,1	NSL=10,24	MS=2465,2465	G=2,1,1,1	
2408	2411	2412	M=2,2,1	NSL=6,20	MS=2465,2465	G=1,4,4,4	

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2409	2412	2413	M=2,2,1	NSL=8,22	MS=2465,2465	G=2,1,1,1	
2413	2417	2418	M=2,2,1		MS=2465,2465	G=8,1,1,1	
2422	2427	2428	M=2,2,1	NSL=6,20	MS=2465,2465	G=1,1,4,4	
2424	2433	2434	M=2,2,1	NSL=6,20	MS=2465,2465	G=1,1,4,4	
2426	2439	2440	M=2,2,1		MS=2465,2465	G=8,1,1,1	
2435	2449	2450	M=2,2,1	NSL=6,20	MS=2465,2465	G=1,4,4,4	
2436	2450	2451	M=2,2,1	NSL=8,22	MS=2465,2465	G=2,1,1,1	
2440	2457	2458	M=2,2,1	NSL=1,15	MS=2465,2465	G=1,6,6,6	
2441	2458	2459	M=2,2,1	NSL=9,23	MS=2465,2465	G=1,4,4,4	
2442	2459	2460	M=2,2,1	NSL=10,24	MS=2465,2465	G=2,1,1,1	
C ===== SEJAJAR SUMBU Y =====							
2447	2401	2409	M=2,2,1	NSL=1,15	MS=2465,2465	G=1,5,7,1	LP=3,0
2448	2403	2412	M=2,2,1	NSL=6,20	MS=2465,2465	G=3,1,1,1	
2453	2409	2411	M=2,2,1	NSL=9,23	MS=2465,2465	G=1,1,1,5	
2455	2411	2427	M=2,2,1	NSL=10,24	MS=2465,2465	G=1,5,5,5	
2456	2412	2417	M=2,2,1	NSL=5,19	MS=2465,2465	G=3,1,1,3	
2461	2417	2428	M=2,2,1		MS=2465,2465	G=1,1,2,1	
2463	2424	2430	M=2,2,1		MS=2465,2465	G=1,1,2,1	
2465	2427	2433	M=2,2,1	NSL=10,24	MS=2465,2465	G=1,5,5,5	
2466	2428	2434	M=2,2,1		MS=2465,2465	G=3,1,1,1	
2471	2433	2449	M=2,2,1	NSL=10,24	MS=2465,2465	G=1,5,5,5	
2472	2434	2439	M=2,2,1		MS=2465,2465	G=1,1,1,2	
2474	2436	2446	M=2,2,1		MS=2465,2465	G=1,1,1,2	
2477	2439	2450	M=2,2,1	NSL=5,19	MS=2465,2465	G=3,1,3,1	
2481	2449	2455	M=2,2,1	NSL=9,23	MS=2465,2465	G=1,5,5,1	
2482	2450	2459	M=2,2,1	NSL=6,20	MS=2465,2465	G=3,1,1,1	
2487	2455	2457	M=2,2,1	NSL=1,15	MS=2465,2465	G=1,1,1,7	
C ===== BALOK LANTAI 25 =====							
C ===== SEJAJAR SUMBU X =====							
2501	2501	2502	M=2,2,1	NSL=1,15	MS=2565,2565	G=1,6,6,6	LP=-2,0
2502	2502	2503	M=2,2,1	NSL=9,23	MS=2565,2565	G=1,4,4,4	
2503	2503	2504	M=2,2,1	NSL=10,24	MS=2565,2565	G=2,1,1,1	
2508	2511	2512	M=2,2,1	NSL=6,20	MS=2565,2565	G=1,4,4,4	
2509	2512	2513	M=2,2,1	NSL=8,22	MS=2565,2565	G=2,1,1,1	
2513	2517	2518	M=2,2,1		MS=2565,2565	G=8,1,1,1	
2522	2527	2528	M=2,2,1	NSL=6,20	MS=2565,2565	G=1,1,4,4	
2524	2533	2534	M=2,2,1	NSL=6,20	MS=2565,2565	G=1,1,4,4	
2526	2539	2540	M=2,2,1		MS=2565,2565	G=8,1,1,1	
2535	2549	2550	M=2,2,1	NSL=6,20	MS=2565,2565	G=1,4,4,4	
2536	2550	2551	M=2,2,1	NSL=8,22	MS=2565,2565	G=2,1,1,1	
2540	2557	2558	M=2,2,1	NSL=1,15	MS=2565,2565	G=1,6,6,6	
2541	2558	2559	M=2,2,1	NSL=9,23	MS=2565,2565	G=1,4,4,4	
2542	2559	2560	M=2,2,1	NSL=10,24	MS=2565,2565	G=2,1,1,1	
C ===== SEJAJAR SUMBU Y =====							
2547	2501	2509	M=2,2,1	NSL=1,15	MS=2565,2565	G=1,5,7,1	LP=3,0
2548	2503	2512	M=2,2,1	NSL=6,20	MS=2565,2565	G=3,1,1,1	
2553	2509	2511	M=2,2,1	NSL=9,23	MS=2565,2565	G=1,1,1,5	
2555	2511	2527	M=2,2,1	NSL=10,24	MS=2565,2565	G=1,5,5,5	
2556	2512	2517	M=2,2,1	NSL=5,19	MS=2565,2565	G=3,1,1,3	
2561	2517	2528	M=2,2,1		MS=2565,2565	G=1,1,2,1	
2563	2524	2530	M=2,2,1		MS=2565,2565	G=1,1,2,1	
2565	2527	2533	M=2,2,1	NSL=10,24	MS=2565,2565	G=1,5,5,5	
2566	2528	2534	M=2,2,1		MS=2565,2565	G=3,1,1,1	
2571	2533	2549	M=2,2,1	NSL=10,24	MS=2565,2565	G=1,5,5,5	
2572	2534	2539	M=2,2,1		MS=2565,2565	G=1,1,1,2	
2574	2536	2546	M=2,2,1		MS=2565,2565	G=1,1,1,2	
2577	2539	2550	M=2,2,1	NSL=5,19	MS=2565,2565	G=3,1,3,1	
2581	2549	2555	M=2,2,1	NSL=9,23	MS=2565,2565	G=1,5,5,1	
2582	2550	2559	M=2,2,1	NSL=6,20	MS=2565,2565	G=3,1,1,1	
2587	2555	2557	M=2,2,1	NSL=1,15	MS=2565,2565	G=1,1,1,7	
C ===== BALOK LANTAI 26 =====							
C ===== SEJAJAR SUMBU X =====							
2601	2601	2602	M=2,2,1	NSL=1,15	MS=2665,2665	G=1,6,6,6	LP=-2,0
2602	2602	2603	M=2,2,1	NSL=9,23	MS=2665,2665	G=1,4,4,4	
2603	2603	2604	M=2,2,1	NSL=10,24	MS=2665,2665	G=2,1,1,1	
2608	2611	2612	M=2,2,1	NSL=6,20	MS=2665,2665	G=1,4,4,4	
2609	2612	2613	M=2,2,1	NSL=8,22	MS=2665,2665	G=2,1,1,1	
2613	2617	2618	M=2,2,1		MS=2665,2665	G=8,1,1,1	
2622	2627	2628	M=2,2,1	NSL=6,20	MS=2665,2665	G=1,1,4,4	
2624	2633	2634	M=2,2,1	NSL=6,20	MS=2665,2665	G=1,1,4,4	
2626	2639	2640	M=2,2,1		MS=2665,2665	G=8,1,1,1	
2635	2649	2650	M=2,2,1	NSL=6,20	MS=2665,2665	G=1,4,4,4	
2636	2650	2651	M=2,2,1	NSL=8,22	MS=2665,2665	G=2,1,1,1	
2640	2657	2658	M=2,2,1	NSL=1,15	MS=2665,2665	G=1,6,6,6	
2641	2658	2659	M=2,2,1	NSL=9,23	MS=2665,2665	G=1,4,4,4	
2642	2659	2660	M=2,2,1	NSL=10,24	MS=2665,2665	G=2,1,1,1	
C ===== SEJAJAR SUMBU Y =====							
2647	2601	2609	M=2,2,1	NSL=1,15	MS=2665,2665	G=1,5,7,1	LP=3,0
2648	2603	2612	M=2,2,1	NSL=6,20	MS=2665,2665	G=3,1,1,1	
2653	2609	2611	M=2,2,1	NSL=9,23	MS=2665,2665	G=1,1,1,5	
2655	2611	2627	M=2,2,1	NSL=10,24	MS=2665,2665	G=1,5,5,5	

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2656	2612	2617	M=2,2,1	NSL=5,19	MS=2665,2665	G=3,1,1,3	
2661	2617	2628	M=2,2,1		MS=2665,2665	G=1,1,2,1	
2663	2624	2630	M=2,2,1		MS=2665,2665	G=1,1,2,1	
2665	2627	2633	M=2,2,1	NSL=10,24	MS=2665,2665	G=1,5,5,5	
2666	2628	2634	M=2,2,1		MS=2665,2665	G=3,1,1,1	
2671	2633	2649	M=2,2,1	NSL=10,24	MS=2665,2665	G=1,5,5,5	
2672	2634	2639	M=2,2,1		MS=2665,2665	G=1,1,1,2	
2674	2636	2646	M=2,2,1		MS=2665,2665	G=1,1,1,2	
2677	2639	2650	M=2,2,1	NSL=5,19	MS=2665,2665	G=3,1,3,1	
2681	2649	2655	M=2,2,1	NSL=9,23	MS=2665,2665	G=1,5,5,1	
2682	2650	2659	M=2,2,1	NSL=6,20	MS=2665,2665	G=3,1,1,1	
2687	2655	2657	M=2,2,1	NSL=1,15	MS=2665,2665	G=1,1,1,7	
C ===== BALOK LANTAI 27 =====							
C ===== SEJAJAR SUMBU X =====							
2701	2701	2702	M=2,2,1	NSL=1,15	MS=2765,2765	G=1,6,6,6	LP=-2,0
2702	2702	2703	M=2,2,1	NSL=9,23	MS=2765,2765	G=1,4,4,4	
2703	2703	2704	M=2,2,1	NSL=10,24	MS=2765,2765	G=2,1,1,1	
2708	2711	2712	M=2,2,1	NSL=6,20	MS=2765,2765	G=1,4,4,4	
2709	2712	2713	M=2,2,1	NSL=8,22	MS=2765,2765	G=2,1,1,1	
2713	2717	2718	M=2,2,1		MS=2765,2765	G=8,1,1,1	
2722	2727	2728	M=2,2,1	NSL=6,20	MS=2765,2765	G=1,1,4,4	
2724	2733	2734	M=2,2,1	NSL=6,20	MS=2765,2765	G=1,1,4,4	
2726	2739	2740	M=2,2,1		MS=2765,2765	G=8,1,1,1	
2735	2749	2750	M=2,2,1	NSL=6,20	MS=2765,2765	G=1,4,4,4	
2736	2750	2751	M=2,2,1	NSL=8,22	MS=2765,2765	G=2,1,1,1	
2740	2757	2758	M=2,2,1	NSL=1,15	MS=2765,2765	G=1,6,6,6	
2741	2758	2759	M=2,2,1	NSL=9,23	MS=2765,2765	G=1,4,4,4	
2742	2759	2760	M=2,2,1	NSL=10,24	MS=2765,2765	G=2,1,1,1	
C ===== SEJAJAR SUMBU Y =====							
2747	2701	2709	M=2,2,1	NSL=1,15	MS=2765,2765	G=1,5,7,1	LP=3,0
2748	2703	2712	M=2,2,1	NSL=6,20	MS=2765,2765	G=3,1,1,1	
2753	2709	2711	M=2,2,1	NSL=9,23	MS=2765,2765	G=1,1,1,5	
2755	2711	2727	M=2,2,1	NSL=10,24	MS=2765,2765	G=1,5,5,5	
2756	2712	2717	M=2,2,1	NSL=5,19	MS=2765,2765	G=3,1,1,3	
2761	2717	2728	M=2,2,1		MS=2765,2765	G=1,1,2,1	
2763	2724	2730	M=2,2,1		MS=2765,2765	G=1,1,2,1	
2765	2727	2733	M=2,2,1	NSL=10,24	MS=2765,2765	G=1,5,5,5	
2766	2728	2734	M=2,2,1		MS=2765,2765	G=3,1,1,1	
2771	2733	2749	M=2,2,1	NSL=10,24	MS=2765,2765	G=1,5,5,5	
2772	2734	2739	M=2,2,1		MS=2765,2765	G=1,1,1,2	
2774	2736	2746	M=2,2,1		MS=2765,2765	G=1,1,1,2	
2777	2739	2750	M=2,2,1	NSL=5,19	MS=2765,2765	G=3,1,3,1	
2781	2749	2755	M=2,2,1	NSL=9,23	MS=2765,2765	G=1,5,5,1	
2782	2750	2759	M=2,2,1	NSL=6,20	MS=2765,2765	G=3,1,1,1	
2787	2755	2757	M=2,2,1	NSL=1,15	MS=2765,2765	G=1,1,1,7	
C ===== BALOK LANTAI 28 =====							
C ===== SEJAJAR SUMBU X =====							
2801	2801	2802	M=2,2,1	NSL=1,15	MS=2865,2865	G=1,6,6,6	LP=-2,0
2802	2802	2803	M=2,2,1	NSL=9,23	MS=2865,2865	G=1,4,4,4	
2803	2803	2804	M=2,2,1	NSL=10,24	MS=2865,2865	G=2,1,1,1	
2808	2811	2812	M=2,2,1	NSL=6,20	MS=2865,2865	G=1,4,4,4	
2809	2812	2813	M=2,2,1	NSL=8,22	MS=2865,2865	G=2,1,1,1	
2813	2817	2818	M=2,2,1		MS=2865,2865	G=8,1,1,1	
2822	2827	2828	M=2,2,1	NSL=6,20	MS=2865,2865	G=1,1,4,4	
2824	2833	2834	M=2,2,1	NSL=6,20	MS=2865,2865	G=1,1,4,4	
2826	2839	2840	M=2,2,1		MS=2865,2865	G=8,1,1,1	
2835	2849	2850	M=2,2,1	NSL=6,20	MS=2865,2865	G=1,4,4,4	
2836	2850	2851	M=2,2,1	NSL=8,22	MS=2865,2865	G=2,1,1,1	
2840	2857	2858	M=2,2,1	NSL=1,15	MS=2865,2865	G=1,6,6,6	
2841	2858	2859	M=2,2,1	NSL=9,23	MS=2865,2865	G=1,4,4,4	
2842	2859	2860	M=2,2,1	NSL=10,24	MS=2865,2865	G=2,1,1,1	
C ===== SEJAJAR SUMBU Y =====							
2847	2801	2809	M=2,2,1	NSL=1,15	MS=2865,2865	G=1,5,7,1	LP=3,0
2848	2803	2812	M=2,2,1	NSL=6,20	MS=2865,2865	G=3,1,1,1	
2853	2809	2811	M=2,2,1	NSL=9,23	MS=2865,2865	G=1,1,1,5	
2855	2811	2827	M=2,2,1	NSL=10,24	MS=2865,2865	G=1,5,5,5	
2856	2812	2817	M=2,2,1	NSL=5,19	MS=2865,2865	G=3,1,1,3	
2861	2817	2828	M=2,2,1		MS=2865,2865	G=1,1,2,1	
2863	2824	2830	M=2,2,1		MS=2865,2865	G=1,1,2,1	
2865	2827	2833	M=2,2,1	NSL=10,24	MS=2865,2865	G=1,5,5,5	
2866	2828	2834	M=2,2,1		MS=2865,2865	G=3,1,1,1	
2871	2833	2849	M=2,2,1	NSL=10,24	MS=2865,2865	G=1,5,5,5	
2872	2834	2839	M=2,2,1		MS=2865,2865	G=1,1,1,2	
2874	2836	2846	M=2,2,1		MS=2865,2865	G=1,1,1,2	
2877	2839	2850	M=2,2,1	NSL=5,19	MS=2865,2865	G=3,1,3,1	
2881	2849	2855	M=2,2,1	NSL=9,23	MS=2865,2865	G=1,5,5,1	
2882	2850	2859	M=2,2,1	NSL=6,20	MS=2865,2865	G=3,1,1,1	
2887	2855	2857	M=2,2,1	NSL=1,15	MS=2865,2865	G=1,1,1,7	
C ===== BALOK LANTAI 29 =====							
C ===== SEJAJAR SUMBU X =====							
2901	2901	2902	M=2,2,1	NSL=1,15	MS=2965,2965	G=1,6,6,6	LP=-2,0

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2902	2902	2903	M=2,2,1	NSL=9,23	MS=2965,2965	G=1,4,4,4	
2903	2903	2904	M=2,2,1	NSL=10,24	MS=2965,2965	G=2,1,1,1	
2908	2911	2912	M=2,2,1	NSL=6,20	MS=2965,2965	G=1,4,4,4	
2909	2912	2913	M=2,2,1	NSL=8,22	MS=2965,2965	G=2,1,1,1	
2913	2917	2918	M=2,2,1		MS=2965,2965	G=8,1,1,1	
2922	2927	2928	M=2,2,1	NSL=6,20	MS=2965,2965	G=1,1,4,4	
2924	2933	2934	M=2,2,1	NSL=6,20	MS=2965,2965	G=1,1,4,4	
2926	2939	2940	M=2,2,1		MS=2965,2965	G=8,1,1,1	
2935	2949	2950	M=2,2,1	NSL=6,20	MS=2965,2965	G=1,4,4,4	
2936	2950	2951	M=2,2,1	NSL=8,22	MS=2965,2965	G=2,1,1,1	
2940	2957	2958	M=2,2,1	NSL=1,15	MS=2965,2965	G=1,6,6,6	
2941	2958	2959	M=2,2,1	NSL=9,23	MS=2965,2965	G=1,4,4,4	
2942	2959	2960	M=2,2,1	NSL=10,24	MS=2965,2965	G=2,1,1,1	
C	===== SEJAJAR SUMBU Y =====						
2947	2901	2909	M=2,2,1	NSL=1,15	MS=2965,2965	G=1,5,7,1	LP=3,0
2948	2903	2912	M=2,2,1	NSL=6,20	MS=2965,2965	G=3,1,1,1	
2953	2909	2911	M=2,2,1	NSL=9,23	MS=2965,2965	G=1,1,1,5	
2955	2911	2927	M=2,2,1	NSL=10,24	MS=2965,2965	G=1,5,5,5	
2956	2912	2917	M=2,2,1	NSL=5,19	MS=2965,2965	G=3,1,1,3	
2961	2917	2928	M=2,2,1		MS=2965,2965	G=1,1,2,1	
2963	2924	2930	M=2,2,1		MS=2965,2965	G=1,1,2,1	
2965	2927	2933	M=2,2,1	NSL=10,24	MS=2965,2965	G=1,5,5,5	
2966	2928	2934	M=2,2,1		MS=2965,2965	G=3,1,1,1	
2971	2933	2949	M=2,2,1	NSL=10,24	MS=2965,2965	G=1,5,5,5	
2972	2934	2939	M=2,2,1		MS=2965,2965	G=1,1,1,2	
2974	2936	2946	M=2,2,1		MS=2965,2965	G=1,1,1,2	
2977	2939	2950	M=2,2,1	NSL=5,19	MS=2965,2965	G=3,1,3,1	
2981	2949	2955	M=2,2,1	NSL=9,23	MS=2965,2965	G=1,5,5,1	
2982	2950	2959	M=2,2,1	NSL=6,20	MS=2965,2965	G=3,1,1,1	
2987	2955	2957	M=2,2,1	NSL=1,15	MS=2965,2965	G=1,1,1,7	
C	===== BALOK LANTAI ATAP =====						
C	===== SEJAJAR SUMBU X =====						
3001	3001	3002	M=2,2,1	NSL=29,43	MS=3065,3065	G=1,6,6,6	LP=-2,0
3002	3002	3003	M=2,2,1	NSL=37,51	MS=3065,3065	G=1,4,4,4	
3003	3003	3004	M=2,2,1	NSL=38,52	MS=3065,3065	G=2,1,1,1	
3008	3011	3012	M=2,2,1	NSL=34,48	MS=3065,3065	G=1,4,4,4	
3009	3012	3013	M=2,2,1	NSL=36,50	MS=3065,3065	G=2,1,1,1	
3013	3017	3018	M=2,2,1		MS=3065,3065	G=8,1,1,1	
3022	3027	3028	M=2,2,1	NSL=34,48	MS=3065,3065	G=1,1,4,4	
3024	3033	3034	M=2,2,1	NSL=34,48	MS=3065,3065	G=1,1,4,4	
3026	3039	3040	M=2,2,1		MS=3065,3065	G=8,1,1,1	
3035	3049	3050	M=2,2,1	NSL=34,48	MS=3065,3065	G=1,4,4,4	
3036	3050	3051	M=2,2,1	NSL=36,50	MS=3065,3065	G=2,1,1,1	
3040	3057	3058	M=2,2,1	NSL=29,43	MS=3065,3065	G=1,6,6,6	
3041	3058	3059	M=2,2,1	NSL=37,51	MS=3065,3065	G=1,4,4,4	
3042	3059	3060	M=2,2,1	NSL=38,52	MS=3065,3065	G=2,1,1,1	
C	===== SEJAJAR SUMBU Y =====						
3047	3001	3009	M=2,2,1	NSL=29,43	MS=3065,3065	G=1,5,7,1	LP=3,0
3048	3003	3012	M=2,2,1	NSL=34,48	MS=3065,3065	G=3,1,1,1	
3053	3009	3011	M=2,2,1	NSL=37,51	MS=3065,3065	G=1,1,1,5	
3055	3011	3027	M=2,2,1	NSL=38,52	MS=3065,3065	G=1,5,5,5	
3056	3012	3017	M=2,2,1	NSL=33,47	MS=3065,3065	G=3,1,1,3	
3061	3017	3028	M=2,2,1		MS=3065,3065	G=1,1,2,1	
3063	3024	3030	M=2,2,1		MS=3065,3065	G=1,1,2,1	
3065	3027	3033	M=2,2,1	NSL=38,52	MS=3065,3065	G=1,5,5,5	
3066	3028	3034	M=2,2,1		MS=3065,3065	G=3,1,1,1	
3071	3033	3049	M=2,2,1	NSL=38,52	MS=3065,3065	G=1,5,5,5	
3072	3034	3039	M=2,2,1		MS=3065,3065	G=1,1,1,2	
3074	3036	3046	M=2,2,1		MS=3065,3065	G=1,1,1,2	
3077	3039	3050	M=2,2,1	NSL=33,47	MS=3065,3065	G=3,1,3,1	
3081	3049	3055	M=2,2,1	NSL=37,51	MS=3065,3065	G=1,5,5,1	
3082	3050	3059	M=2,2,1	NSL=34,48	MS=3065,3065	G=3,1,1,1	
3087	3055	3057	M=2,2,1	NSL=29,43	MS=3065,3065	G=1,1,1,7	
C	===== KOLOM LANTAI 1 =====						
3101	1	101	M=3	MS=0,189		G=19,1,1,1	LP=-2,0
3121	21	121	M=6	MS=0,189		G=9,1,1,1	
3131	31	131	M=3	MS=0,189		G=2,1,1,1	
3134	34	134	M=6	MS=0,189		G=3,1,1,1	
3138	38	138	M=3	MS=0,189		G=2,1,1,1	
3141	41	141	M=3	MS=0,189		G=2,1,1,1	
3144	44	144	M=6	MS=0,189		G=3,1,1,1	
3148	48	148	M=3	MS=0,189		G=2,1,1,1	
3151	51	151	M=6	MS=0,189		G=9,1,1,1	
3161	61	161	M=3	MS=0,189		G=27,1,1,1	
C	===== KOLOM LANTAI 2 =====						
3201	101	201	M=3	MS=189,289		G=19,1,1,1	
3221	121	221	M=6	MS=189,289		G=9,1,1,1	
3231	131	231	M=3	MS=189,289		G=2,1,1,1	
3234	134	234	M=6	MS=189,289		G=3,1,1,1	
3238	138	238	M=3	MS=189,289		G=2,1,1,1	
3241	141	241	M=3	MS=189,289		G=2,1,1,1	

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3244	144	244	M=6	MS=189,289	G=3,1,1,1
3248	148	248	M=3	MS=189,289	G=2,1,1,1
3251	151	251	M=6	MS=189,289	G=9,1,1,1
3261	161	261	M=3	MS=189,289	G=27,1,1,1
C ===== KOLOM LANTAI 3 =====					
3301	201	301	M=3	MS=289,389	G=19,1,1,1
3321	221	321	M=6	MS=289,389	G=9,1,1,1
3331	231	331	M=3	MS=289,389	G=2,1,1,1
3334	234	334	M=6	MS=289,389	G=3,1,1,1
3338	238	338	M=3	MS=289,389	G=2,1,1,1
3341	241	341	M=3	MS=289,389	G=2,1,1,1
3344	244	344	M=6	MS=289,389	G=3,1,1,1
3348	248	348	M=3	MS=289,389	G=2,1,1,1
3351	251	351	M=6	MS=289,389	G=9,1,1,1
3361	261	361	M=3	MS=289,389	G=27,1,1,1
C ===== KOLOM LANTAI 4 =====					
3401	301	401	M=3	MS=389,465	G=7,1,1,1
3409	310	409	M=3	MS=389,465	G=1,1,1,1
3411	314	411	M=3	MS=389,465	G=5,1,1,1
3417	321	417	M=6	MS=389,465	G=9,1,1,1
3427	333	427	M=3	MS=389,465	G=1,5,5,5
3428	334	428	M=6	MS=389,465	G=3,1,1,1
3433	343	433	M=3	MS=389,465	G=1,5,5,5
3434	344	434	M=6	MS=389,465	G=3,1,1,1
3439	351	439	M=6	MS=389,465	G=9,1,1,1
3449	362	449	M=3	MS=389,465	G=5,1,1,1
3455	370	455	M=3	MS=389,465	G=1,1,1,1
3457	373	457	M=3	MS=389,465	G=7,1,1,1
C ===== KOLOM LANTAI 5 =====					
3501	401	501	M=3	MS=465,565	G=15,1,1,1
3517	417	517	M=6	MS=465,565	G=9,1,1,1
3527	427	527	M=3	MS=465,565	G=1,5,5,5
3528	428	528	M=6	MS=465,565	G=3,1,1,1
3533	433	533	M=3	MS=465,565	G=1,5,5,5
3534	434	534	M=6	MS=465,565	G=3,1,1,1
3539	439	539	M=6	MS=465,565	G=9,1,1,1
3549	449	549	M=3	MS=465,565	G=15,1,1,1
C ===== KOLOM LANTAI 6 =====					
3601	501	601	M=3	MS=565,665	G=15,1,1,1
3617	517	617	M=6	MS=565,665	G=9,1,1,1
3627	527	627	M=3	MS=565,665	G=1,5,5,5
3628	528	628	M=6	MS=565,665	G=3,1,1,1
3633	533	633	M=3	MS=565,665	G=1,5,5,5
3634	534	634	M=6	MS=565,665	G=3,1,1,1
3639	539	639	M=6	MS=565,665	G=9,1,1,1
3649	549	649	M=3	MS=565,665	G=15,1,1,1
C ===== KOLOM LANTAI 7 =====					
3701	601	701	M=3	MS=665,765	G=15,1,1,1
3717	617	717	M=6	MS=665,765	G=9,1,1,1
3727	627	727	M=3	MS=665,765	G=1,5,5,5
3728	628	728	M=6	MS=665,765	G=3,1,1,1
3733	633	733	M=3	MS=665,765	G=1,5,5,5
3734	634	734	M=6	MS=665,765	G=3,1,1,1
3739	639	739	M=6	MS=665,765	G=9,1,1,1
3749	649	749	M=3	MS=665,765	G=15,1,1,1
C ===== KOLOM LANTAI 8 =====					
3801	701	801	M=3	MS=765,865	G=15,1,1,1
3817	717	817	M=6	MS=765,865	G=9,1,1,1
3827	727	827	M=3	MS=765,865	G=1,5,5,5
3828	728	828	M=6	MS=765,865	G=3,1,1,1
3833	733	833	M=3	MS=765,865	G=1,5,5,5
3834	734	834	M=6	MS=765,865	G=3,1,1,1
3839	739	839	M=6	MS=765,865	G=9,1,1,1
3849	749	849	M=3	MS=765,865	G=15,1,1,1
C ===== KOLOM LANTAI 9 =====					
3901	801	901	M=3	MS=865,965	G=15,1,1,1
3917	817	917	M=6	MS=865,965	G=9,1,1,1
3927	827	927	M=3	MS=865,965	G=1,5,5,5
3928	828	928	M=6	MS=865,965	G=3,1,1,1
3933	833	933	M=3	MS=865,965	G=1,5,5,5
3934	834	934	M=6	MS=865,965	G=3,1,1,1
3939	839	939	M=6	MS=865,965	G=9,1,1,1
3949	849	949	M=3	MS=865,965	G=15,1,1,1
C ===== KOLOM LANTAI 10 =====					
4001	901	1001	M=3	MS=965,1065	G=15,1,1,1
4017	917	1017	M=6	MS=965,1065	G=9,1,1,1
4027	927	1027	M=3	MS=965,1065	G=1,5,5,5
4028	928	1028	M=6	MS=965,1065	G=3,1,1,1
4033	933	1033	M=3	MS=965,1065	G=1,5,5,5
4034	934	1034	M=6	MS=965,1065	G=3,1,1,1
4039	939	1039	M=6	MS=965,1065	G=9,1,1,1

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4049	949	1049	M=3	MS=965,1065	G=15,1,1,1
C ===== KOLOM LANTAI 11 =====					
4101	1001	1101	M=4	MS=1065,1165	G=15,1,1,1
4117	1017	1117	M=6	MS=1065,1165	G=9,1,1,1
4127	1027	1127	M=4	MS=1065,1165	G=1,5,5,5
4128	1028	1128	M=6	MS=1065,1165	G=3,1,1,1
4133	1033	1133	M=4	MS=1065,1165	G=1,5,5,5
4134	1034	1134	M=6	MS=1065,1165	G=3,1,1,1
4139	1039	1139	M=6	MS=1065,1165	G=9,1,1,1
4149	1049	1149	M=4	MS=1065,1165	G=15,1,1,1
C ===== KOLOM LANTAI 12 =====					
4201	1101	1201	M=4	MS=1165,1265	G=15,1,1,1
4217	1117	1217	M=6	MS=1165,1265	G=9,1,1,1
4227	1127	1227	M=4	MS=1165,1265	G=1,5,5,5
4228	1128	1228	M=6	MS=1165,1265	G=3,1,1,1
4233	1133	1233	M=4	MS=1165,1265	G=1,5,5,5
4234	1134	1234	M=6	MS=1165,1265	G=3,1,1,1
4239	1139	1239	M=6	MS=1165,1265	G=9,1,1,1
4249	1149	1249	M=4	MS=1165,1265	G=15,1,1,1
C ===== KOLOM LANTAI 13 =====					
4301	1201	1301	M=4	MS=1265,1365	G=15,1,1,1
4317	1217	1317	M=6	MS=1265,1365	G=9,1,1,1
4327	1227	1327	M=4	MS=1265,1365	G=1,5,5,5
4328	1228	1328	M=6	MS=1265,1365	G=3,1,1,1
4333	1233	1333	M=4	MS=1265,1365	G=1,5,5,5
4334	1234	1334	M=6	MS=1265,1365	G=3,1,1,1
4339	1239	1339	M=6	MS=1265,1365	G=9,1,1,1
4349	1249	1349	M=4	MS=1265,1365	G=15,1,1,1
C ===== KOLOM LANTAI 14 =====					
4401	1301	1401	M=4	MS=1365,1465	G=15,1,1,1
4417	1317	1417	M=6	MS=1365,1465	G=9,1,1,1
4427	1327	1427	M=4	MS=1365,1465	G=1,5,5,5
4428	1328	1428	M=6	MS=1365,1465	G=3,1,1,1
4433	1333	1433	M=4	MS=1365,1465	G=1,5,5,5
4434	1334	1434	M=6	MS=1365,1465	G=3,1,1,1
4439	1339	1439	M=6	MS=1365,1465	G=9,1,1,1
4449	1349	1449	M=4	MS=1365,1465	G=15,1,1,1
C ===== KOLOM LANTAI 15 =====					
4501	1401	1501	M=4	MS=1465,1565	G=15,1,1,1
4517	1417	1517	M=6	MS=1465,1565	G=9,1,1,1
4527	1427	1527	M=4	MS=1465,1565	G=1,5,5,5
4528	1428	1528	M=6	MS=1465,1565	G=3,1,1,1
4533	1433	1533	M=4	MS=1465,1565	G=1,5,5,5
4534	1434	1534	M=6	MS=1465,1565	G=3,1,1,1
4539	1439	1539	M=6	MS=1465,1565	G=9,1,1,1
4549	1449	1549	M=4	MS=1465,1565	G=15,1,1,1
C ===== KOLOM LANTAI 16 =====					
4601	1501	1601	M=4	MS=1565,1665	G=15,1,1,1
4617	1517	1617	M=6	MS=1565,1665	G=9,1,1,1
4627	1527	1627	M=4	MS=1565,1665	G=1,5,5,5
4628	1528	1628	M=6	MS=1565,1665	G=3,1,1,1
4633	1533	1633	M=4	MS=1565,1665	G=1,5,5,5
4634	1534	1634	M=6	MS=1565,1665	G=3,1,1,1
4639	1539	1639	M=6	MS=1565,1665	G=9,1,1,1
4649	1549	1649	M=4	MS=1565,1665	G=15,1,1,1
C ===== KOLOM LANTAI 17 =====					
4701	1601	1701	M=4	MS=1665,1765	G=15,1,1,1
4717	1617	1717	M=6	MS=1665,1765	G=9,1,1,1
4727	1627	1727	M=4	MS=1665,1765	G=1,5,5,5
4728	1628	1728	M=6	MS=1665,1765	G=3,1,1,1
4733	1633	1733	M=4	MS=1665,1765	G=1,5,5,5
4734	1634	1734	M=6	MS=1665,1765	G=3,1,1,1
4739	1639	1739	M=6	MS=1665,1765	G=9,1,1,1
4749	1649	1749	M=4	MS=1665,1765	G=15,1,1,1
C ===== KOLOM LANTAI 18 =====					
4801	1701	1801	M=4	MS=1765,1865	G=15,1,1,1
4817	1717	1817	M=6	MS=1765,1865	G=9,1,1,1
4827	1727	1827	M=4	MS=1765,1865	G=1,5,5,5
4828	1728	1828	M=6	MS=1765,1865	G=3,1,1,1
4833	1733	1833	M=4	MS=1765,1865	G=1,5,5,5
4834	1734	1834	M=6	MS=1765,1865	G=3,1,1,1
4839	1739	1839	M=6	MS=1765,1865	G=9,1,1,1
4849	1749	1849	M=4	MS=1765,1865	G=15,1,1,1
C ===== KOLOM LANTAI 19 =====					
4901	1801	1901	M=4	MS=1865,1965	G=15,1,1,1
4917	1817	1917	M=6	MS=1865,1965	G=9,1,1,1
4927	1827	1927	M=4	MS=1865,1965	G=1,5,5,5
4928	1828	1928	M=6	MS=1865,1965	G=3,1,1,1
4933	1833	1933	M=4	MS=1865,1965	G=1,5,5,5
4934	1834	1934	M=6	MS=1865,1965	G=3,1,1,1
4939	1839	1939	M=6	MS=1865,1965	G=9,1,1,1

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4949	1849	1949	M=4	MS=1865,1965	G=15,1,1,1
C ===== KOLOM LANTAI 20 =====					
5001	1901	2001	M=4	MS=1965,2065	G=15,1,1,1
5017	1917	2017	M=6	MS=1965,2065	G=9,1,1,1
5027	1927	2027	M=4	MS=1965,2065	G=1,5,5,5
5028	1928	2028	M=6	MS=1965,2065	G=3,1,1,1
5033	1933	2033	M=4	MS=1965,2065	G=1,5,5,5
5034	1934	2034	M=6	MS=1965,2065	G=3,1,1,1
5039	1939	2039	M=6	MS=1965,2065	G=9,1,1,1
5049	1949	2049	M=4	MS=1965,2065	G=15,1,1,1
C ===== KOLOM LANTAI 21 =====					
5101	2001	2101	M=5	MS=2065,2165	G=15,1,1,1
5117	2017	2117	M=6	MS=2065,2165	G=9,1,1,1
5127	2027	2127	M=5	MS=2065,2165	G=1,5,5,5
5128	2028	2128	M=6	MS=2065,2165	G=3,1,1,1
5133	2033	2133	M=5	MS=2065,2165	G=1,5,5,5
5134	2034	2134	M=6	MS=2065,2165	G=3,1,1,1
5139	2039	2139	M=6	MS=2065,2165	G=9,1,1,1
5149	2049	2149	M=5	MS=2065,2165	G=15,1,1,1
C ===== KOLOM LANTAI 22 =====					
5201	2101	2201	M=5	MS=2165,2265	G=15,1,1,1
5217	2117	2217	M=6	MS=2165,2265	G=9,1,1,1
5227	2127	2227	M=5	MS=2165,2265	G=1,5,5,5
5228	2128	2228	M=6	MS=2165,2265	G=3,1,1,1
5233	2133	2233	M=5	MS=2165,2265	G=1,5,5,5
5234	2134	2234	M=6	MS=2165,2265	G=3,1,1,1
5239	2139	2239	M=6	MS=2165,2265	G=9,1,1,1
5249	2149	2249	M=5	MS=2165,2265	G=15,1,1,1
C ===== KOLOM LANTAI 23 =====					
5301	2201	2301	M=5	MS=2265,2365	G=15,1,1,1
5317	2217	2317	M=6	MS=2265,2365	G=9,1,1,1
5327	2227	2327	M=5	MS=2265,2365	G=1,5,5,5
5328	2228	2328	M=6	MS=2265,2365	G=3,1,1,1
5333	2233	2333	M=5	MS=2265,2365	G=1,5,5,5
5334	2234	2334	M=6	MS=2265,2365	G=3,1,1,1
5339	2239	2339	M=6	MS=2265,2365	G=9,1,1,1
5349	2249	2349	M=5	MS=2265,2365	G=15,1,1,1
C ===== KOLOM LANTAI 24 =====					
5401	2301	2401	M=5	MS=2365,2465	G=15,1,1,1
5417	2317	2417	M=6	MS=2365,2465	G=9,1,1,1
5427	2327	2427	M=5	MS=2365,2465	G=1,5,5,5
5428	2328	2428	M=6	MS=2365,2465	G=3,1,1,1
5433	2333	2433	M=5	MS=2365,2465	G=1,5,5,5
5434	2334	2434	M=6	MS=2365,2465	G=3,1,1,1
5439	2339	2439	M=6	MS=2365,2465	G=9,1,1,1
5449	2349	2449	M=5	MS=2365,2465	G=15,1,1,1
C ===== KOLOM LANTAI 25 =====					
5501	2401	2501	M=5	MS=2465,2565	G=15,1,1,1
5517	2417	2517	M=6	MS=2465,2565	G=9,1,1,1
5527	2427	2527	M=5	MS=2465,2565	G=1,5,5,5
5528	2428	2528	M=6	MS=2465,2565	G=3,1,1,1
5533	2433	2533	M=5	MS=2465,2565	G=1,5,5,5
5534	2434	2534	M=6	MS=2465,2565	G=3,1,1,1
5539	2439	2539	M=6	MS=2465,2565	G=9,1,1,1
5549	2449	2549	M=5	MS=2465,2565	G=15,1,1,1
C ===== KOLOM LANTAI 26 =====					
5601	2501	2601	M=5	MS=2565,2665	G=15,1,1,1
5617	2517	2617	M=6	MS=2565,2665	G=9,1,1,1
5627	2527	2627	M=5	MS=2565,2665	G=1,5,5,5
5628	2528	2628	M=6	MS=2565,2665	G=3,1,1,1
5633	2533	2633	M=5	MS=2565,2665	G=1,5,5,5
5634	2534	2634	M=6	MS=2565,2665	G=3,1,1,1
5639	2539	2639	M=6	MS=2565,2665	G=9,1,1,1
5649	2549	2649	M=5	MS=2565,2665	G=15,1,1,1
C ===== KOLOM LANTAI 27 =====					
5701	2601	2701	M=5	MS=2665,2765	G=15,1,1,1
5717	2617	2717	M=6	MS=2665,2765	G=9,1,1,1
5727	2627	2727	M=5	MS=2665,2765	G=1,5,5,5
5728	2628	2728	M=6	MS=2665,2765	G=3,1,1,1
5733	2633	2733	M=5	MS=2665,2765	G=1,5,5,5
5734	2634	2734	M=6	MS=2665,2765	G=3,1,1,1
5739	2639	2739	M=6	MS=2665,2765	G=9,1,1,1
5749	2649	2749	M=5	MS=2665,2765	G=15,1,1,1
C ===== KOLOM LANTAI 28 =====					
5801	2701	2801	M=5	MS=2765,2865	G=15,1,1,1
5817	2717	2817	M=6	MS=2765,2865	G=9,1,1,1
5827	2727	2827	M=5	MS=2765,2865	G=1,5,5,5
5828	2728	2828	M=6	MS=2765,2865	G=3,1,1,1
5833	2733	2833	M=5	MS=2765,2865	G=1,5,5,5
5834	2734	2834	M=6	MS=2765,2865	G=3,1,1,1
5839	2739	2839	M=6	MS=2765,2865	G=9,1,1,1

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5849 2749 2849 M=5 MS=2765,2865 G=15,1,1,1
C ===== KOLOM LANTAI 29 =====
5901 2801 2901 M=5 MS=2865,2965 G=15,1,1,1
5917 2817 2917 M=6 MS=2865,2965 G=9,1,1,1
5927 2827 2927 M=5 MS=2865,2965 G=1,5,5,5
5928 2828 2928 M=6 MS=2865,2965 G=3,1,1,1
5933 2833 2933 M=5 MS=2865,2965 G=1,5,5,5
5934 2834 2934 M=6 MS=2865,2965 G=3,1,1,1
5939 2839 2939 M=6 MS=2865,2965 G=9,1,1,1
5949 2849 2949 M=5 MS=2865,2965 G=15,1,1,1
C ===== KOLOM LANTAI 30 =====
6001 2901 3001 M=5 MS=2965,3065 G=15,1,1,1
6017 2917 3017 M=6 MS=2965,3065 G=9,1,1,1
6027 2927 3027 M=5 MS=2965,3065 G=1,5,5,5
6028 2928 3028 M=6 MS=2965,3065 G=3,1,1,1
6033 2933 3033 M=5 MS=2965,3065 G=1,5,5,5
6034 2934 3034 M=6 MS=2965,3065 G=3,1,1,1
6039 2939 3039 M=6 MS=2965,3065 G=9,1,1,1
6049 2949 3049 M=5 MS=2965,3065 G=15,1,1,1

```

LOADS

```

C ===== MOMENT BEBAN MATI =====
C ===== LANTAI 1 S/D 3 =====
102 302 100 L=3 F=0,0,0,29.448,0,0
103 303 100 L=3 F=0,0,0,81.1,0,0
104 304 100 L=3 F=0,0,0,103.392,0,0
105 305 100 L=3 F=0,0,0,103.392,0,0
106 306 100 L=3 F=0,0,0,81.1,0,0
107 307 100 L=3 F=0,0,0,29.448,0,0
C ===== LANTAI 4 S/D 29 =====
C ===== SEARAH SUMBU X =====
402 2902 100 L=3 F=0,0,0,29.448,0,0
403 2903 100 L=3 F=0,0,0,81.1,0,0
404 2904 100 L=3 F=0,0,0,103.392,0,0
405 2905 100 L=3 F=0,0,0,103.392,0,0
406 2906 100 L=3 F=0,0,0,81.1,0,0
407 2907 100 L=3 F=0,0,0,29.448,0,0
C ===== SEARAH SUMBU -X =====
458 2958 100 L=3 F=0,0,0,-29.448,0,0
459 2959 100 L=3 F=0,0,0,-81.1,0,0
460 2960 100 L=3 F=0,0,0,-103.392,0,0
461 2961 100 L=3 F=0,0,0,-103.392,0,0
462 2962 100 L=3 F=0,0,0,-81.1,0,0
463 2963 100 L=3 F=0,0,0,-29.448,0,0
C ===== SEARAH SUMBU Y =====
410 2910 100 L=3 F=0,0,0,0,29.448,0
416 2916 100 L=3 F=0,0,0,0,81.1,0
432 2932 100 L=3 F=0,0,0,0,103.392,0
438 2938 100 L=3 F=0,0,0,0,103.392,0
454 2954 100 L=3 F=0,0,0,0,81.1,0
456 2956 100 L=3 F=0,0,0,0,29.448,0
C ===== SEARAH SUMBU -Y =====
409 2909 100 L=3 F=0,0,0,0,-29.448,0
411 2911 100 L=3 F=0,0,0,0,-81.1,0
427 2927 100 L=3 F=0,0,0,0,-103.392,0
433 2933 100 L=3 F=0,0,0,0,-103.392,0
449 2949 100 L=3 F=0,0,0,0,-81.1,0
455 2955 100 L=3 F=0,0,0,0,-29.448,0
C ===== LANTAI ATAP =====
C ===== SEARAH SUMBU X =====
3002 L=3 F=0,0,0,26.28,0,0
3003 L=3 F=0,0,0,71.596,0,0
3004 L=3 F=0,0,0,90.72,0,0
3005 L=3 F=0,0,0,90.72,0,0
3006 L=3 F=0,0,0,71.596,0,0
3007 L=3 F=0,0,0,26.28,0,0
C ===== SEARAH SUMBU -X =====
3058 L=3 F=0,0,0,-26.28,0,0
3059 L=3 F=0,0,0,-71.596,0,0
3060 L=3 F=0,0,0,-90.72,0,0
3061 L=3 F=0,0,0,-90.72,0,0
3062 L=3 F=0,0,0,-71.596,0,0
3063 L=3 F=0,0,0,-26.28,0,0
C ===== SEARAH SUMBU Y =====
3010 L=3 F=0,0,0,0,26.28,0
3016 L=3 F=0,0,0,0,71.596,0
3032 L=3 F=0,0,0,0,90.72,0
3038 L=3 F=0,0,0,0,90.72,0
3054 L=3 F=0,0,0,0,71.596,0
3056 L=3 F=0,0,0,0,26.28,0

```

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```

C ===== SEARAH SUMBU -Y =====
3009 L=3 F=0,0,0,0,-26.28,0
3011 L=3 F=0,0,0,0,-71.596,0
3027 L=3 F=0,0,0,0,-90.72,0
3033 L=3 F=0,0,0,0,-90.72,0
3049 L=3 F=0,0,0,0,-71.596,0
3055 L=3 F=0,0,0,0,-26.28,0

```

```

C ===== MOMENT BEBAN HIDUP =====

```

```

C ===== LANTAI 1 S/D 3 =====

```

```

102 302 100 L=4 F=0,0,0,9,0,0
103 303 100 L=4 F=0,0,0,27,0,0
104 304 100 L=4 F=0,0,0,36,0,0
105 305 100 L=4 F=0,0,0,36,0,0
106 306 100 L=4 F=0,0,0,27,0,0
107 307 100 L=4 F=0,0,0,9,0,0

```

```

C ===== LANTAI 4 S/D 29 =====

```

```

C ===== SEARAH SUMBU X =====

```

```

402 2902 100 L=4 F=0,0,0,9,0,0
403 2903 100 L=4 F=0,0,0,27,0,0
404 2904 100 L=4 F=0,0,0,36,0,0
405 2905 100 L=4 F=0,0,0,36,0,0
406 2906 100 L=4 F=0,0,0,27,0,0
407 2907 100 L=4 F=0,0,0,9,0,0

```

```

C ===== SEARAH SUMBU -X =====

```

```

458 2958 100 L=4 F=0,0,0,-9,0,0
459 2959 100 L=4 F=0,0,0,-27,0,0
460 2960 100 L=4 F=0,0,0,-36,0,0
461 2961 100 L=4 F=0,0,0,-36,0,0
462 2962 100 L=4 F=0,0,0,-27,0,0
463 2963 100 L=4 F=0,0,0,-9,0,0

```

```

C ===== SEARAH SUMBU Y =====

```

```

410 2910 100 L=4 F=0,0,0,9,0,0
416 2916 100 L=4 F=0,0,0,27,0,0
432 2932 100 L=4 F=0,0,0,36,0,0
438 2938 100 L=4 F=0,0,0,36,0,0
454 2954 100 L=4 F=0,0,0,27,0,0
456 2956 100 L=4 F=0,0,0,9,0,0

```

```

C ===== SEARAH SUMBU -Y =====

```

```

409 2909 100 L=4 F=0,0,0,0,-9,0
411 2911 100 L=4 F=0,0,0,0,-27,0
427 2927 100 L=4 F=0,0,0,0,-36,0
433 2933 100 L=4 F=0,0,0,0,-36,0
449 2949 100 L=4 F=0,0,0,0,-27,0
455 2955 100 L=4 F=0,0,0,0,-9,0

```

```

C ===== LANTAI ATAP =====

```

```

C ===== SEARAH SUMBU X =====

```

```

3002 L=4 F=0,0,0,6.12,0,0
3003 L=4 F=0,0,0,18.36,0,0
3004 L=4 F=0,0,0,24.48,0,0
3005 L=4 F=0,0,0,24.48,0,0
3006 L=4 F=0,0,0,18.36,0,0
3007 L=4 F=0,0,0,6.12,0,0

```

```

C ===== SEARAH SUMBU -X =====

```

```

3058 L=4 F=0,0,0,-6.12,0,0
3059 L=4 F=0,0,0,-18.36,0,0
3060 L=4 F=0,0,0,-24.48,0,0
3061 L=4 F=0,0,0,-24.48,0,0
3062 L=4 F=0,0,0,-18.36,0,0
3063 L=4 F=0,0,0,-6.12,0,0

```

```

C ===== SEARAH SUMBU Y =====

```

```

3010 L=4 F=0,0,0,6.12,0,0
3016 L=4 F=0,0,0,18.36,0,0
3032 L=4 F=0,0,0,24.48,0,0
3038 L=4 F=0,0,0,24.48,0,0
3054 L=4 F=0,0,0,18.36,0,0
3056 L=4 F=0,0,0,6.12,0,0

```

```

C ===== SEARAH SUMBU -Y =====

```

```

3009 L=4 F=0,0,0,0,-6.12,0
3011 L=4 F=0,0,0,0,-18.36,0
3027 L=4 F=0,0,0,0,-24.48,0
3033 L=4 F=0,0,0,0,-24.48,0
3049 L=4 F=0,0,0,0,-18.36,0
3055 L=4 F=0,0,0,0,-6.12,0

```

```

MASSES

```

```

189 M=3445.8975,3445.8975,0,0,0,1552266.786
289 M=3157.7833,3157.7833,0,0,0,1422480.539
389 M=2870.4846,2870.4846,0,0,0,1293061.649
465 2965 100 M=1627.5905,1627.5905,0,0,0,484306.2577
3065 M=1163.5728,1163.5728,0,0,0,346233.0418

```

```

SPEC
S=14.715      A=0      D=0.05
C PERIODE    ARAH-1    ARAH-2    ARAH-3
  0          0.05      0.05      0
  1          0.05      0.05      0
  2          0.025     0.025     0
  3          0.025     0.025     0

```

SELECT

C ===== JOINTS DISPLACEMENTS =====

```

NT=1  ID=1,301,100      : LANTAI 1-3
      ID=3,303,100
      ID=15,315,100
      ID=21,321,100
      ID=33,333,100
      ID=34,334,100
      ID=401,3001,100   : LANTAI 4-30
      ID=403,3003,100
      ID=412,3012,100
      ID=417,3021,100
      ID=427,3027,100
      ID=428,3028,100

```

C ===== MODE SHAPES =====

NT=3

C ===== FRAME ELEMENTS =====

C ===== BALOK =====

```

NT=5  ID=4,264,130      : LANTAI 1-3
      ID=13,273,130
      ID=28,288,130
      ID=70,330,130
      ID=81,341,130
      ID=93,353,130
      ID=404,3004,100   : LANTAI 4-30
      ID=410,3010,100
      ID=422,3022,100
      ID=448,3048,100
      ID=456,3056,100
      ID=465,3065,100

```

C ===== KOLOM =====

```

NT=5  ID=3101,3301,100  : LANTAI 1-3
      ID=3103,3303,100
      ID=3115,3315,100
      ID=3121,3321,100
      ID=3133,3333,100
      ID=3134,3334,100
      ID=3401,6001,100   : LANTAI 4-30
      ID=3403,6003,100
      ID=3412,6012,100
      ID=3417,6021,100
      ID=3427,6027,100
      ID=3428,6028,100

```

SEPARATOR SHELL DAN MASSES UNTUK DINDING GESER

1. Tinggi dinding geser 10 % dari tinggi total struktur

```

SHELL
NM=1 O=0 Z=-1
1 E=2E7 U=0.2 W=23.562 M=2.4007
C ===== X-Z GRID 4 =====
1 JQ=21,22,121,122 ETYPE=0 M=1 TH=0.2,0 G=1,3
31 JQ=23,24,123,124 ETYPE=0 M=1 TH=0.2,0 G=2,3
91 JQ=26,27,126,127 ETYPE=0 M=1 TH=0.2,0 G=2,3
151 JQ=29,30,129,130 ETYPE=0 M=1 TH=0.2,0 G=1,3
C ===== Y-Z GRID 5 =====
181 JQ=21,34,121,134 ETYPE=0 M=1 TH=0.2,0 G=1,3
211 JQ=34,44,134,144 ETYPE=0 M=1 TH=0.2,0 G=1,3
241 JQ=44,51,144,151 ETYPE=0 M=1 TH=0.2,0 G=1,3
C ===== Y-Z GRID 14 =====
271 JQ=30,37,130,137 ETYPE=0 M=1 TH=0.2,0 G=1,3
301 JQ=37,47,137,147 ETYPE=0 M=1 TH=0.2,0 G=1,3
331 JQ=47,60,147,160 ETYPE=0 M=1 TH=0.2,0 G=1,3
C ===== X-Z GRID 7 =====
361 JQ=51,52,151,152 ETYPE=0 M=1 TH=0.2,0 G=1,3
391 JQ=53,54,153,154 ETYPE=0 M=1 TH=0.2,0 G=2,3
451 JQ=56,57,156,157 ETYPE=0 M=1 TH=0.2,0 G=2,3
511 JQ=59,60,159,160 ETYPE=0 M=1 TH=0.2,0 G=1,3

MASSES
189 M=3619.5978,3619.5978,0,0,0,1630513.225
289 M=3296.7436,3296.7436,0,0,0,1485077.717
389 M=2922.5947,2922.5947,0,0,0,1316535.582
465 2965 100 M=1627.5905,1627.5905,0,0,0,484306.2577
3065 M=1163.5728,1163.5728,0,0,0,346233.0418

```

2. Tinggi dinding geser 20 % dari tinggi total struktur

```

SHELL
NM=1 O=0 Z=-1
1 E=2E7 U=0.2 W=23.562 M=2.4007
C ===== X-Z GRID 4 =====
1 JQ=21,22,121,122 ETYPE=0 M=1 TH=0.2,0 G=1,3
4 JQ=321,322,417,418 ETYPE=0 M=1 TH=0.2,0 G=1,1
5 JQ=417,418,517,518 ETYPE=0 M=1 TH=0.2,0 G=1,2
31 JQ=23,24,123,124 ETYPE=0 M=1 TH=0.2,0 G=2,3
37 JQ=323,324,419,420 ETYPE=0 M=1 TH=0.2,0 G=2,1
39 JQ=419,420,519,520 ETYPE=0 M=1 TH=0.2,0 G=2,2
91 JQ=26,27,126,127 ETYPE=0 M=1 TH=0.2,0 G=2,3
97 JQ=326,327,422,423 ETYPE=0 M=1 TH=0.2,0 G=2,1
99 JQ=422,423,522,523 ETYPE=0 M=1 TH=0.2,0 G=2,2
151 JQ=29,30,129,130 ETYPE=0 M=1 TH=0.2,0 G=1,3
154 JQ=329,330,425,426 ETYPE=0 M=1 TH=0.2,0 G=1,1
155 JQ=425,426,525,526 ETYPE=0 M=1 TH=0.2,0 G=1,2
C ===== Y-Z GRID 5 =====
181 JQ=21,34,121,134 ETYPE=0 M=1 TH=0.2,0 G=1,3
184 JQ=321,334,417,428 ETYPE=0 M=1 TH=0.2,0 G=1,1
185 JQ=417,428,517,528 ETYPE=0 M=1 TH=0.2,0 G=1,2
211 JQ=34,44,134,144 ETYPE=0 M=1 TH=0.2,0 G=1,3
214 JQ=334,344,428,434 ETYPE=0 M=1 TH=0.2,0 G=1,1
215 JQ=428,434,528,534 ETYPE=0 M=1 TH=0.2,0 G=1,2
241 JQ=44,51,144,151 ETYPE=0 M=1 TH=0.2,0 G=1,3
244 JQ=344,351,434,439 ETYPE=0 M=1 TH=0.2,0 G=1,1
245 JQ=434,439,534,539 ETYPE=0 M=1 TH=0.2,0 G=1,2
C ===== Y-Z GRID 14 =====
271 JQ=30,37,130,137 ETYPE=0 M=1 TH=0.2,0 G=1,3
274 JQ=330,337,426,431 ETYPE=0 M=1 TH=0.2,0 G=1,1
275 JQ=426,431,526,531 ETYPE=0 M=1 TH=0.2,0 G=1,2
301 JQ=37,47,137,147 ETYPE=0 M=1 TH=0.2,0 G=1,3
304 JQ=337,347,431,437 ETYPE=0 M=1 TH=0.2,0 G=1,1
305 JQ=431,437,531,537 ETYPE=0 M=1 TH=0.2,0 G=1,2
331 JQ=47,60,147,160 ETYPE=0 M=1 TH=0.2,0 G=1,3
334 JQ=347,360,437,448 ETYPE=0 M=1 TH=0.2,0 G=1,1
335 JQ=437,448,537,548 ETYPE=0 M=1 TH=0.2,0 G=1,2

```

Listing Program SAP-90

```

C ===== X-Z GRID 7 =====
361 JQ=51,52,151,152 ETYPE=0 M=1 TH=0.2,0 G=1,3
364 JQ=351,352,439,440 ETYPE=0 M=1 TH=0.2,0 G=1,1
365 JQ=439,440,539,540 ETYPE=0 M=1 TH=0.2,0 G=1,2
391 JQ=53,54,153,154 ETYPE=0 M=1 TH=0.2,0 G=2,3
397 JQ=353,354,441,442 ETYPE=0 M=1 TH=0.2,0 G=2,1
399 JQ=441,442,541,542 ETYPE=0 M=1 TH=0.2,0 G=2,2
451 JQ=56,57,156,157 ETYPE=0 M=1 TH=0.2,0 G=2,3
457 JQ=356,357,444,445 ETYPE=0 M=1 TH=0.2,0 G=2,1
459 JQ=444,445,544,545 ETYPE=0 M=1 TH=0.2,0 G=2,2
511 JQ=59,60,159,160 ETYPE=0 M=1 TH=0.2,0 G=1,3
514 JQ=359,360,447,448 ETYPE=0 M=1 TH=0.2,0 G=1,1
515 JQ=447,448,547,548 ETYPE=0 M=1 TH=0.2,0 G=1,2

```

MASSES

```

189 M=3619.5978,3619.5978,0,0,0,1630513.225
289 M=3296.7436,3296.7436,0,0,0,1485077.717
389 M=2992.0749,2992.0749,0,0,0,1347834.197
465 565 100 M=1731.8106,1731.8106,0,0,0,515318.0181
665 M=1679.7006,1679.7006,0,0,0,499812.1503
765 2965 100 M=1627.5905,1627.5905,0,0,0,484306.2577
3065 M=1163.5728,1163.5728,0,0,0,346233.0418

```

3. Tinggi dinding geser 30 % dari tinggi total struktur

SHELL

```
NM=1 O=0 Z=-1
```

```
1 E=2E7 U=0.2 W=23.562 M=2.4007
```

```

C ===== X-Z GRID 4 =====
1 JQ=21,22,121,122 ETYPE=0 M=1 TH=0.2,0 G=1,3
4 JQ=321,322,417,418 ETYPE=0 M=1 TH=0.2,0 G=1,1
5 JQ=417,418,517,518 ETYPE=0 M=1 TH=0.2,0 G=1,5
31 JQ=23,24,123,124 ETYPE=0 M=1 TH=0.2,0 G=2,3
37 JQ=323,324,419,420 ETYPE=0 M=1 TH=0.2,0 G=2,1
39 JQ=419,420,519,520 ETYPE=0 M=1 TH=0.2,0 G=2,5
91 JQ=26,27,126,127 ETYPE=0 M=1 TH=0.2,0 G=2,3
97 JQ=326,327,422,423 ETYPE=0 M=1 TH=0.2,0 G=2,1
99 JQ=422,423,522,523 ETYPE=0 M=1 TH=0.2,0 G=2,5
151 JQ=29,30,129,130 ETYPE=0 M=1 TH=0.2,0 G=1,3
154 JQ=329,330,425,426 ETYPE=0 M=1 TH=0.2,0 G=1,1
155 JQ=425,426,525,526 ETYPE=0 M=1 TH=0.2,0 G=1,5
C ===== Y-Z GRID 5 =====
181 JQ=21,34,121,134 ETYPE=0 M=1 TH=0.2,0 G=1,3
184 JQ=321,334,417,428 ETYPE=0 M=1 TH=0.2,0 G=1,1
185 JQ=417,428,517,528 ETYPE=0 M=1 TH=0.2,0 G=1,5
211 JQ=34,44,134,144 ETYPE=0 M=1 TH=0.2,0 G=1,3
214 JQ=334,344,428,434 ETYPE=0 M=1 TH=0.2,0 G=1,1
215 JQ=428,434,528,534 ETYPE=0 M=1 TH=0.2,0 G=1,5
241 JQ=44,51,144,151 ETYPE=0 M=1 TH=0.2,0 G=1,3
244 JQ=344,351,434,439 ETYPE=0 M=1 TH=0.2,0 G=1,1
245 JQ=434,439,534,539 ETYPE=0 M=1 TH=0.2,0 G=1,5
C ===== Y-Z GRID 14 =====
271 JQ=30,37,130,137 ETYPE=0 M=1 TH=0.2,0 G=1,3
274 JQ=330,337,426,431 ETYPE=0 M=1 TH=0.2,0 G=1,1
275 JQ=426,431,526,531 ETYPE=0 M=1 TH=0.2,0 G=1,5
301 JQ=37,47,137,147 ETYPE=0 M=1 TH=0.2,0 G=1,3
304 JQ=337,347,431,437 ETYPE=0 M=1 TH=0.2,0 G=1,1
305 JQ=431,437,531,537 ETYPE=0 M=1 TH=0.2,0 G=1,5
331 JQ=47,60,147,160 ETYPE=0 M=1 TH=0.2,0 G=1,3
334 JQ=347,360,437,448 ETYPE=0 M=1 TH=0.2,0 G=1,1
335 JQ=437,448,537,548 ETYPE=0 M=1 TH=0.2,0 G=1,5
C ===== X-Z GRID 7 =====
361 JQ=51,52,151,152 ETYPE=0 M=1 TH=0.2,0 G=1,3
364 JQ=351,352,439,440 ETYPE=0 M=1 TH=0.2,0 G=1,1
365 JQ=439,440,539,540 ETYPE=0 M=1 TH=0.2,0 G=1,5
391 JQ=53,54,153,154 ETYPE=0 M=1 TH=0.2,0 G=2,3
397 JQ=353,354,441,442 ETYPE=0 M=1 TH=0.2,0 G=2,1
399 JQ=441,442,541,542 ETYPE=0 M=1 TH=0.2,0 G=2,5
451 JQ=56,57,156,157 ETYPE=0 M=1 TH=0.2,0 G=2,3
457 JQ=356,357,444,445 ETYPE=0 M=1 TH=0.2,0 G=2,1
459 JQ=444,445,544,545 ETYPE=0 M=1 TH=0.2,0 G=2,5
511 JQ=59,60,159,160 ETYPE=0 M=1 TH=0.2,0 G=1,3
514 JQ=359,360,447,448 ETYPE=0 M=1 TH=0.2,0 G=1,1
515 JQ=447,448,547,548 ETYPE=0 M=1 TH=0.2,0 G=1,5

```


Listing Program SAP-90

```

MASSES
189          M=3619.5978,3619.5978,0,0,0,1630513.225
289          M=3296.7436,3296.7436,0,0,0,1485077.717
389          M=2992.0749,2992.0749,0,0,0,1347834.197
465      865      100      M=1731.8106,1731.8106,0,0,0,515318.0181
965          M=1679.7006,1679.7006,0,0,0,499812.1503
1065     2965     100      M=1627.5905,1627.5905,0,0,0,484306.2577
3065          M=1163.5728,1163.5728,0,0,0,346233.0418

```

4. Tinggi dinding geser 40 % dari tinggi total struktur

SHELL

NM=1 O=0 Z=-1

1 E=2E7 U=0.2 W=23.562 M=2.4007

```

C ===== X-Z GRID 4 =====
1      JQ=21,22,121,122      ETYPE=0      M=1      TH=0.2,0      G=1,3
4      JQ=321,322,417,418      ETYPE=0      M=1      TH=0.2,0      G=1,1
5      JQ=417,418,517,518      ETYPE=0      M=1      TH=0.2,0      G=1,8
31     JQ=23,24,123,124      ETYPE=0      M=1      TH=0.2,0      G=2,3
37     JQ=323,324,419,420      ETYPE=0      M=1      TH=0.2,0      G=2,1
39     JQ=419,420,519,520      ETYPE=0      M=1      TH=0.2,0      G=2,8
91     JQ=26,27,126,127      ETYPE=0      M=1      TH=0.2,0      G=2,3
97     JQ=326,327,422,423      ETYPE=0      M=1      TH=0.2,0      G=2,1
99     JQ=422,423,522,523      ETYPE=0      M=1      TH=0.2,0      G=2,8
151    JQ=29,30,129,130      ETYPE=0      M=1      TH=0.2,0      G=1,3
154    JQ=329,330,425,426      ETYPE=0      M=1      TH=0.2,0      G=1,1
155    JQ=425,426,525,526      ETYPE=0      M=1      TH=0.2,0      G=1,8
C ===== Y-Z GRID 5 =====
181    JQ=21,34,121,134      ETYPE=0      M=1      TH=0.2,0      G=1,3
184    JQ=321,334,417,428      ETYPE=0      M=1      TH=0.2,0      G=1,1
185    JQ=417,428,517,528      ETYPE=0      M=1      TH=0.2,0      G=1,8
211    JQ=34,44,134,144      ETYPE=0      M=1      TH=0.2,0      G=1,3
214    JQ=334,344,428,434      ETYPE=0      M=1      TH=0.2,0      G=1,1
215    JQ=428,434,528,534      ETYPE=0      M=1      TH=0.2,0      G=1,8
241    JQ=44,51,144,151      ETYPE=0      M=1      TH=0.2,0      G=1,3
244    JQ=344,351,434,439      ETYPE=0      M=1      TH=0.2,0      G=1,1
245    JQ=434,439,534,539      ETYPE=0      M=1      TH=0.2,0      G=1,8
C ===== Y-Z GRID 14 =====
271    JQ=30,37,130,137      ETYPE=0      M=1      TH=0.2,0      G=1,3
274    JQ=330,337,426,431      ETYPE=0      M=1      TH=0.2,0      G=1,1
275    JQ=426,431,526,531      ETYPE=0      M=1      TH=0.2,0      G=1,8
301    JQ=37,47,137,147      ETYPE=0      M=1      TH=0.2,0      G=1,3
304    JQ=337,347,431,437      ETYPE=0      M=1      TH=0.2,0      G=1,1
305    JQ=431,437,531,537      ETYPE=0      M=1      TH=0.2,0      G=1,8
331    JQ=47,60,147,160      ETYPE=0      M=1      TH=0.2,0      G=1,3
334    JQ=347,360,437,448      ETYPE=0      M=1      TH=0.2,0      G=1,1
335    JQ=437,448,537,548      ETYPE=0      M=1      TH=0.2,0      G=1,8
C ===== X-Z GRID 7 =====
361    JQ=51,52,151,152      ETYPE=0      M=1      TH=0.2,0      G=1,3
364    JQ=351,352,439,440      ETYPE=0      M=1      TH=0.2,0      G=1,1
365    JQ=439,440,539,540      ETYPE=0      M=1      TH=0.2,0      G=1,8
391    JQ=53,54,153,154      ETYPE=0      M=1      TH=0.2,0      G=2,3
397    JQ=353,354,441,442      ETYPE=0      M=1      TH=0.2,0      G=2,1
399    JQ=441,442,541,542      ETYPE=0      M=1      TH=0.2,0      G=2,8
451    JQ=56,57,156,157      ETYPE=0      M=1      TH=0.2,0      G=2,3
457    JQ=356,357,444,445      ETYPE=0      M=1      TH=0.2,0      G=2,1
459    JQ=444,445,544,545      ETYPE=0      M=1      TH=0.2,0      G=2,8
511    JQ=59,60,159,160      ETYPE=0      M=1      TH=0.2,0      G=1,3
514    JQ=359,360,447,448      ETYPE=0      M=1      TH=0.2,0      G=1,1
515    JQ=447,448,547,548      ETYPE=0      M=1      TH=0.2,0      G=1,8

```

```

MASSES
189          M=3619.5978,3619.5978,0,0,0,1630513.225
289          M=3296.7436,3296.7436,0,0,0,1485077.717
389          M=2992.0749,2992.0749,0,0,0,1347834.197
465     1165     100      M=1731.8106,1731.8106,0,0,0,515318.0181
1265          M=1679.7006,1679.7006,0,0,0,499812.1503
1365     2965     100      M=1627.5905,1627.5905,0,0,0,484306.2577
3065          M=1163.5728,1163.5728,0,0,0,346233.0418

```

5. Tinggi dinding geser 50 % dari tinggi total struktur

SHELL

NM=1 O=0 Z=-1

1 E=2E7 U=0.2 W=23.562 M=2.4007

C ===== X-Z GRID 4 =====

1	JQ=21, 22, 121, 122	ETYPE=0	M=1	TH=0.2,0	G=1,3
4	JQ=321, 322, 417, 418	ETYPE=0	M=1	TH=0.2,0	G=1,1
5	JQ=417, 418, 517, 518	ETYPE=0	M=1	TH=0.2,0	G=1,11
31	JQ=23, 24, 123, 124	ETYPE=0	M=1	TH=0.2,0	G=2,3
37	JQ=323, 324, 419, 420	ETYPE=0	M=1	TH=0.2,0	G=2,1
39	JQ=419, 420, 519, 520	ETYPE=0	M=1	TH=0.2,0	G=2,11
91	JQ=26, 27, 126, 127	ETYPE=0	M=1	TH=0.2,0	G=2,3
97	JQ=326, 327, 422, 423	ETYPE=0	M=1	TH=0.2,0	G=2,1
99	JQ=422, 423, 522, 523	ETYPE=0	M=1	TH=0.2,0	G=2,11
151	JQ=29, 30, 129, 130	ETYPE=0	M=1	TH=0.2,0	G=1,3
154	JQ=329, 330, 425, 426	ETYPE=0	M=1	TH=0.2,0	G=1,1
155	JQ=425, 426, 525, 526	ETYPE=0	M=1	TH=0.2,0	G=1,26

C ===== Y-Z GRID 5 =====

181	JQ=21, 34, 121, 134	ETYPE=0	M=1	TH=0.2,0	G=1,3
184	JQ=321, 334, 417, 428	ETYPE=0	M=1	TH=0.2,0	G=1,1
185	JQ=417, 428, 517, 528	ETYPE=0	M=1	TH=0.2,0	G=1,11
211	JQ=34, 44, 134, 144	ETYPE=0	M=1	TH=0.2,0	G=1,3
214	JQ=334, 344, 428, 434	ETYPE=0	M=1	TH=0.2,0	G=1,1
215	JQ=428, 434, 528, 534	ETYPE=0	M=1	TH=0.2,0	G=1,11
241	JQ=44, 51, 144, 151	ETYPE=0	M=1	TH=0.2,0	G=1,3
244	JQ=344, 351, 434, 439	ETYPE=0	M=1	TH=0.2,0	G=1,1
245	JQ=434, 439, 534, 539	ETYPE=0	M=1	TH=0.2,0	G=1,11

C ===== Y-Z GRID 14 =====

271	JQ=30, 37, 130, 137	ETYPE=0	M=1	TH=0.2,0	G=1,3
274	JQ=330, 337, 426, 431	ETYPE=0	M=1	TH=0.2,0	G=1,1
275	JQ=426, 431, 526, 531	ETYPE=0	M=1	TH=0.2,0	G=1,11
301	JQ=37, 47, 137, 147	ETYPE=0	M=1	TH=0.2,0	G=1,3
304	JQ=337, 347, 431, 437	ETYPE=0	M=1	TH=0.2,0	G=1,1
305	JQ=431, 437, 531, 537	ETYPE=0	M=1	TH=0.2,0	G=1,11
331	JQ=47, 60, 147, 160	ETYPE=0	M=1	TH=0.2,0	G=1,3
334	JQ=347, 360, 437, 448	ETYPE=0	M=1	TH=0.2,0	G=1,1
335	JQ=437, 448, 537, 548	ETYPE=0	M=1	TH=0.2,0	G=1,11

C ===== X-Z GRID 7 =====

361	JQ=51, 52, 151, 152	ETYPE=0	M=1	TH=0.2,0	G=1,3
364	JQ=351, 352, 439, 440	ETYPE=0	M=1	TH=0.2,0	G=1,1
365	JQ=439, 440, 539, 540	ETYPE=0	M=1	TH=0.2,0	G=1,11
391	JQ=53, 54, 153, 154	ETYPE=0	M=1	TH=0.2,0	G=2,3
397	JQ=353, 354, 441, 442	ETYPE=0	M=1	TH=0.2,0	G=2,1
399	JQ=441, 442, 541, 542	ETYPE=0	M=1	TH=0.2,0	G=2,11
451	JQ=56, 57, 156, 157	ETYPE=0	M=1	TH=0.2,0	G=2,3
457	JQ=356, 357, 444, 445	ETYPE=0	M=1	TH=0.2,0	G=2,1
459	JQ=444, 445, 544, 545	ETYPE=0	M=1	TH=0.2,0	G=2,11
511	JQ=59, 60, 159, 160	ETYPE=0	M=1	TH=0.2,0	G=1,3
514	JQ=359, 360, 447, 448	ETYPE=0	M=1	TH=0.2,0	G=1,1
515	JQ=447, 448, 547, 548	ETYPE=0	M=1	TH=0.2,0	G=1,11

MASSES

189			M=3619.5978, 3619.5978, 0,0,0,1630513.225
289			M=3296.7436, 3296.7436, 0,0,0,1485077.717
389			M=2992.0749, 2992.0749, 0,0,0,1347834.197
465	1465	100	M=1731.8106, 1731.8106, 0,0,0,515318.0181
1565			M=1679.7006, 1679.7006, 0,0,0,499812.1503
1665	2965	100	M=1627.5905, 1627.5905, 0,0,0,484306.2577
3065			M=1163.5728, 1163.5728, 0,0,0,346233.0418

6. Tinggi dinding geser 60 % dari tinggi total struktur

SHELL

NM=1 O=0 Z=-1

1 E=2E7 U=0.2 W=23.562 M=2.4007

C ===== X-Z GRID 4 =====

1	JQ=21, 22, 121, 122	ETYPE=0	M=1	TH=0.2,0	G=1,3
4	JQ=321, 322, 417, 418	ETYPE=0	M=1	TH=0.2,0	G=1,1
5	JQ=417, 418, 517, 518	ETYPE=0	M=1	TH=0.2,0	G=1,14
31	JQ=23, 24, 123, 124	ETYPE=0	M=1	TH=0.2,0	G=2,3
37	JQ=323, 324, 419, 420	ETYPE=0	M=1	TH=0.2,0	G=2,1
39	JQ=419, 420, 519, 520	ETYPE=0	M=1	TH=0.2,0	G=2,14
91	JQ=26, 27, 126, 127	ETYPE=0	M=1	TH=0.2,0	G=2,3
97	JQ=326, 327, 422, 423	ETYPE=0	M=1	TH=0.2,0	G=2,1

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```

99      JQ=422,423,522,523  ETYPE=0  M=1  TH=0.2,0  G=2,14
151     JQ=29,30,129,130   ETYPE=0  M=1  TH=0.2,0  G=1,3
154     JQ=329,330,425,426 ETYPE=0  M=1  TH=0.2,0  G=1,1
155     JQ=425,426,525,526 ETYPE=0  M=1  TH=0.2,0  G=1,14
C ===== Y-Z GRID 5 =====
181     JQ=21,34,121,134   ETYPE=0  M=1  TH=0.2,0  G=1,3
184     JQ=321,334,417,428 ETYPE=0  M=1  TH=0.2,0  G=1,1
185     JQ=417,428,517,528 ETYPE=0  M=1  TH=0.2,0  G=1,14
211     JQ=34,44,134,144   ETYPE=0  M=1  TH=0.2,0  G=1,3
214     JQ=334,344,428,434 ETYPE=0  M=1  TH=0.2,0  G=1,1
215     JQ=428,434,528,534 ETYPE=0  M=1  TH=0.2,0  G=1,14
241     JQ=44,51,144,151   ETYPE=0  M=1  TH=0.2,0  G=1,3
244     JQ=344,351,434,439 ETYPE=0  M=1  TH=0.2,0  G=1,1
245     JQ=434,439,534,539 ETYPE=0  M=1  TH=0.2,0  G=1,14
C ===== Y-Z GRID 14 =====
271     JQ=30,37,130,137   ETYPE=0  M=1  TH=0.2,0  G=1,3
274     JQ=330,337,426,431 ETYPE=0  M=1  TH=0.2,0  G=1,1
275     JQ=426,431,526,531 ETYPE=0  M=1  TH=0.2,0  G=1,14
301     JQ=37,47,137,147   ETYPE=0  M=1  TH=0.2,0  G=1,3
304     JQ=337,347,431,437 ETYPE=0  M=1  TH=0.2,0  G=1,1
305     JQ=431,437,531,537 ETYPE=0  M=1  TH=0.2,0  G=1,14
331     JQ=47,60,147,160   ETYPE=0  M=1  TH=0.2,0  G=1,3
334     JQ=347,360,437,448 ETYPE=0  M=1  TH=0.2,0  G=1,1
335     JQ=437,448,537,548 ETYPE=0  M=1  TH=0.2,0  G=1,14
C ===== X-Z GRID 7 =====
361     JQ=51,52,151,152   ETYPE=0  M=1  TH=0.2,0  G=1,3
364     JQ=351,352,439,440 ETYPE=0  M=1  TH=0.2,0  G=1,1
365     JQ=439,440,539,540 ETYPE=0  M=1  TH=0.2,0  G=1,14
391     JQ=53,54,153,154   ETYPE=0  M=1  TH=0.2,0  G=2,3
397     JQ=353,354,441,442 ETYPE=0  M=1  TH=0.2,0  G=2,1
399     JQ=441,442,541,542 ETYPE=0  M=1  TH=0.2,0  G=2,14
451     JQ=56,57,156,157   ETYPE=0  M=1  TH=0.2,0  G=2,3
457     JQ=356,357,444,445 ETYPE=0  M=1  TH=0.2,0  G=2,1
459     JQ=444,445,544,545 ETYPE=0  M=1  TH=0.2,0  G=2,14
511     JQ=59,60,159,160   ETYPE=0  M=1  TH=0.2,0  G=1,3
514     JQ=359,360,447,448 ETYPE=0  M=1  TH=0.2,0  G=1,1
515     JQ=447,448,547,548 ETYPE=0  M=1  TH=0.2,0  G=1,14

MASSES
189      M=3619.5978,3619.5978,0,0,0,1630513.225
289      M=3296.7436,3296.7436,0,0,0,1485077.717
389      M=2992.0749,2992.0749,0,0,0,1347834.197
465      1765      100      M=1731.8106,1731.8106,0,0,0,515318.0181
1865     M=1679.7006,1679.7006,0,0,0,499812.1503
1965     2965     100      M=1627.5905,1627.5905,0,0,0,484306.2577
3065     M=1163.5728,1163.5728,0,0,0,346233.0418

```

7. Tinggi dinding geser 70 % dari tinggi total struktur

```

SHELL
NM=1 O=0 Z=-1
1 E=2E7 U=0.2 W=23.562 M=2.4007
C ===== X-Z GRID 4 =====
1      JQ=21,22,121,122   ETYPE=0  M=1  TH=0.2,0  G=1,3
4      JQ=321,322,417,418 ETYPE=0  M=1  TH=0.2,0  G=1,1
5      JQ=417,418,517,518 ETYPE=0  M=1  TH=0.2,0  G=1,17
31     JQ=23,24,123,124   ETYPE=0  M=1  TH=0.2,0  G=2,3
37     JQ=323,324,419,420 ETYPE=0  M=1  TH=0.2,0  G=2,1
39     JQ=419,420,519,520 ETYPE=0  M=1  TH=0.2,0  G=2,17
91     JQ=26,27,126,127   ETYPE=0  M=1  TH=0.2,0  G=2,3
97     JQ=326,327,422,423 ETYPE=0  M=1  TH=0.2,0  G=2,1
99     JQ=422,423,522,523 ETYPE=0  M=1  TH=0.2,0  G=2,17
151    JQ=29,30,129,130   ETYPE=0  M=1  TH=0.2,0  G=1,3
154    JQ=329,330,425,426 ETYPE=0  M=1  TH=0.2,0  G=1,1
155    JQ=425,426,525,526 ETYPE=0  M=1  TH=0.2,0  G=1,17
C ===== Y-Z GRID 5 =====
181    JQ=21,34,121,134   ETYPE=0  M=1  TH=0.2,0  G=1,3
184    JQ=321,334,417,428 ETYPE=0  M=1  TH=0.2,0  G=1,1
185    JQ=417,428,517,528 ETYPE=0  M=1  TH=0.2,0  G=1,17
211    JQ=34,44,134,144   ETYPE=0  M=1  TH=0.2,0  G=1,3
214    JQ=334,344,428,434 ETYPE=0  M=1  TH=0.2,0  G=1,1
215    JQ=428,434,528,534 ETYPE=0  M=1  TH=0.2,0  G=1,17
241    JQ=44,51,144,151   ETYPE=0  M=1  TH=0.2,0  G=1,3
244    JQ=344,351,434,439 ETYPE=0  M=1  TH=0.2,0  G=1,1
245    JQ=434,439,534,539 ETYPE=0  M=1  TH=0.2,0  G=1,17
C ===== Y-Z GRID 14 =====
271    JQ=30,37,130,137   ETYPE=0  M=1  TH=0.2,0  G=1,3

```

```

274 JQ=330,337,426,431 ETYPE=0 M=1 TH=0.2,0 G=1,1
275 JQ=426,431,526,531 ETYPE=0 M=1 TH=0.2,0 G=1,17
301 JQ=37,47,137,147 ETYPE=0 M=1 TH=0.2,0 G=1,3
304 JQ=337,347,431,437 ETYPE=0 M=1 TH=0.2,0 G=1,1
305 JQ=431,437,531,537 ETYPE=0 M=1 TH=0.2,0 G=1,17
331 JQ=47,60,147,160 ETYPE=0 M=1 TH=0.2,0 G=1,3
334 JQ=347,360,437,448 ETYPE=0 M=1 TH=0.2,0 G=1,1
335 JQ=437,448,537,548 ETYPE=0 M=1 TH=0.2,0 G=1,17
C ===== X-Z GRID 7 =====
361 JQ=51,52,151,152 ETYPE=0 M=1 TH=0.2,0 G=1,3
364 JQ=351,352,439,440 ETYPE=0 M=1 TH=0.2,0 G=1,1
365 JQ=439,440,539,540 ETYPE=0 M=1 TH=0.2,0 G=1,17
391 JQ=53,54,153,154 ETYPE=0 M=1 TH=0.2,0 G=2,3
397 JQ=353,354,441,442 ETYPE=0 M=1 TH=0.2,0 G=2,1
399 JQ=441,442,541,542 ETYPE=0 M=1 TH=0.2,0 G=2,17
451 JQ=56,57,156,157 ETYPE=0 M=1 TH=0.2,0 G=2,3
457 JQ=356,357,444,445 ETYPE=0 M=1 TH=0.2,0 G=2,1
459 JQ=444,445,544,545 ETYPE=0 M=1 TH=0.2,0 G=2,17
511 JQ=59,60,159,160 ETYPE=0 M=1 TH=0.2,0 G=1,3
514 JQ=359,360,447,448 ETYPE=0 M=1 TH=0.2,0 G=1,1
515 JQ=447,448,547,548 ETYPE=0 M=1 TH=0.2,0 G=1,17

MASSES
189 M=3619.5978,3619.5978,0,0,0,1630513.225
289 M=3296.7436,3296.7436,0,0,0,1485077.717
389 M=2992.0749,2992.0749,0,0,0,1347834.197
465 2065 100 M=1731.8106,1731.8106,0,0,0,515318.0181
2165 M=1679.7006,1679.7006,0,0,0,499812.1503
2265 2965 100 M=1627.5905,1627.5905,0,0,0,484306.2577
3065 M=1163.5728,1163.5728,0,0,0,346233.0418

```

8. Tinggi dinding geser 80 % dari tinggi total struktur

```

SHELL
NM=1 O=0 Z=-1
1 E=2E7 U=0.2 W=23.562 M=2.4007
C ===== X-Z GRID 4 =====
1 JQ=21,22,121,122 ETYPE=0 M=1 TH=0.2,0 G=1,3
4 JQ=321,322,417,418 ETYPE=0 M=1 TH=0.2,0 G=1,1
5 JQ=417,418,517,518 ETYPE=0 M=1 TH=0.2,0 G=1,20
31 JQ=23,24,123,124 ETYPE=0 M=1 TH=0.2,0 G=2,3
37 JQ=323,324,419,420 ETYPE=0 M=1 TH=0.2,0 G=2,1
39 JQ=419,420,519,520 ETYPE=0 M=1 TH=0.2,0 G=2,20
91 JQ=26,27,126,127 ETYPE=0 M=1 TH=0.2,0 G=2,3
97 JQ=326,327,422,423 ETYPE=0 M=1 TH=0.2,0 G=2,1
99 JQ=422,423,522,523 ETYPE=0 M=1 TH=0.2,0 G=2,20
151 JQ=29,30,129,130 ETYPE=0 M=1 TH=0.2,0 G=1,3
154 JQ=329,330,425,426 ETYPE=0 M=1 TH=0.2,0 G=1,1
155 JQ=425,426,525,526 ETYPE=0 M=1 TH=0.2,0 G=1,20
C ===== Y-Z GRID 5 =====
181 JQ=21,34,121,134 ETYPE=0 M=1 TH=0.2,0 G=1,3
184 JQ=321,334,417,428 ETYPE=0 M=1 TH=0.2,0 G=1,1
185 JQ=417,428,517,528 ETYPE=0 M=1 TH=0.2,0 G=1,20
211 JQ=34,44,134,144 ETYPE=0 M=1 TH=0.2,0 G=1,3
214 JQ=334,344,428,434 ETYPE=0 M=1 TH=0.2,0 G=1,1
215 JQ=428,434,528,534 ETYPE=0 M=1 TH=0.2,0 G=1,20
241 JQ=44,51,144,151 ETYPE=0 M=1 TH=0.2,0 G=1,3
244 JQ=344,351,434,439 ETYPE=0 M=1 TH=0.2,0 G=1,1
245 JQ=434,439,534,539 ETYPE=0 M=1 TH=0.2,0 G=1,20
C ===== Y-Z GRID 14 =====
271 JQ=30,37,130,137 ETYPE=0 M=1 TH=0.2,0 G=1,3
274 JQ=330,337,426,431 ETYPE=0 M=1 TH=0.2,0 G=1,1
275 JQ=426,431,526,531 ETYPE=0 M=1 TH=0.2,0 G=1,20
301 JQ=37,47,137,147 ETYPE=0 M=1 TH=0.2,0 G=1,3
304 JQ=337,347,431,437 ETYPE=0 M=1 TH=0.2,0 G=1,1
305 JQ=431,437,531,537 ETYPE=0 M=1 TH=0.2,0 G=1,20
331 JQ=47,60,147,160 ETYPE=0 M=1 TH=0.2,0 G=1,3
334 JQ=347,360,437,448 ETYPE=0 M=1 TH=0.2,0 G=1,1
335 JQ=437,448,537,548 ETYPE=0 M=1 TH=0.2,0 G=1,20
C ===== X-Z GRID 7 =====
361 JQ=51,52,151,152 ETYPE=0 M=1 TH=0.2,0 G=1,3
364 JQ=351,352,439,440 ETYPE=0 M=1 TH=0.2,0 G=1,1
365 JQ=439,440,539,540 ETYPE=0 M=1 TH=0.2,0 G=1,20
391 JQ=53,54,153,154 ETYPE=0 M=1 TH=0.2,0 G=2,3
397 JQ=353,354,441,442 ETYPE=0 M=1 TH=0.2,0 G=2,1
399 JQ=441,442,541,542 ETYPE=0 M=1 TH=0.2,0 G=2,20
451 JQ=56,57,156,157 ETYPE=0 M=1 TH=0.2,0 G=2,3

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```

457 JQ=356,357,444,445 ETYPE=0 M=1 TH=0.2,0 G=2,1
459 JQ=444,445,544,545 ETYPE=0 M=1 TH=0.2,0 G=2,20
511 JQ=59,60,159,160 ETYPE=0 M=1 TH=0.2,0 G=1,3
514 JQ=359,360,447,448 ETYPE=0 M=1 TH=0.2,0 G=1,1
515 JQ=447,448,547,548 ETYPE=0 M=1 TH=0.2,0 G=1,20

```

MASSES

```

189 M=3619.5978,3619.5978,0,0,0,1630513.225
289 M=3296.7436,3296.7436,0,0,0,1485077.717
389 M=2992.0749,2992.0749,0,0,0,1347834.197
465 2365 100 M=1731.8106,1731.8106,0,0,0,515318.0181
2465 M=1679.7006,1679.7006,0,0,0,499812.1503
2565 2965 100 M=1627.5905,1627.5905,0,0,0,484306.2577
3065 M=1163.5728,1163.5728,0,0,0,346233.0418

```

9. Tinggi dinding geser 90 % dari tinggi total struktur

SHELL

```

NM=1 O=0 Z=-1
1 E=2E7 U=0.2 W=23.562 M=2.4007
C ===== X-Z GRID 4 =====
1 JQ=21,22,121,122 ETYPE=0 M=1 TH=0.2,0 G=1,3
4 JQ=321,322,417,418 ETYPE=0 M=1 TH=0.2,0 G=1,1
5 JQ=417,418,517,518 ETYPE=0 M=1 TH=0.2,0 G=1,23
31 JQ=23,24,123,124 ETYPE=0 M=1 TH=0.2,0 G=2,3
37 JQ=323,324,419,420 ETYPE=0 M=1 TH=0.2,0 G=2,1
39 JQ=419,420,519,520 ETYPE=0 M=1 TH=0.2,0 G=2,23
91 JQ=26,27,126,127 ETYPE=0 M=1 TH=0.2,0 G=2,3
97 JQ=326,327,422,423 ETYPE=0 M=1 TH=0.2,0 G=2,1
99 JQ=422,423,522,523 ETYPE=0 M=1 TH=0.2,0 G=2,23
151 JQ=29,30,129,130 ETYPE=0 M=1 TH=0.2,0 G=1,3
154 JQ=329,330,425,426 ETYPE=0 M=1 TH=0.2,0 G=1,1
155 JQ=425,426,525,526 ETYPE=0 M=1 TH=0.2,0 G=1,23
C ===== Y-Z GRID 5 =====
181 JQ=21,34,121,134 ETYPE=0 M=1 TH=0.2,0 G=1,3
184 JQ=321,334,417,428 ETYPE=0 M=1 TH=0.2,0 G=1,1
185 JQ=417,428,517,528 ETYPE=0 M=1 TH=0.2,0 G=1,23
211 JQ=34,44,134,144 ETYPE=0 M=1 TH=0.2,0 G=1,3
214 JQ=334,344,428,434 ETYPE=0 M=1 TH=0.2,0 G=1,1
215 JQ=428,434,528,534 ETYPE=0 M=1 TH=0.2,0 G=1,23
241 JQ=44,51,144,151 ETYPE=0 M=1 TH=0.2,0 G=1,3
244 JQ=344,351,434,439 ETYPE=0 M=1 TH=0.2,0 G=1,1
245 JQ=434,439,534,539 ETYPE=0 M=1 TH=0.2,0 G=1,23
C ===== Y-Z GRID 14 =====
271 JQ=30,37,130,137 ETYPE=0 M=1 TH=0.2,0 G=1,3
274 JQ=330,337,426,431 ETYPE=0 M=1 TH=0.2,0 G=1,1
275 JQ=426,431,526,531 ETYPE=0 M=1 TH=0.2,0 G=1,23
301 JQ=37,47,137,147 ETYPE=0 M=1 TH=0.2,0 G=1,3
304 JQ=337,347,431,437 ETYPE=0 M=1 TH=0.2,0 G=1,1
305 JQ=431,437,531,537 ETYPE=0 M=1 TH=0.2,0 G=1,23
331 JQ=47,60,147,160 ETYPE=0 M=1 TH=0.2,0 G=1,3
334 JQ=347,360,437,448 ETYPE=0 M=1 TH=0.2,0 G=1,1
335 JQ=437,448,537,548 ETYPE=0 M=1 TH=0.2,0 G=1,23
C ===== X-Z GRID 7 =====
361 JQ=51,52,151,152 ETYPE=0 M=1 TH=0.2,0 G=1,3
364 JQ=351,352,439,440 ETYPE=0 M=1 TH=0.2,0 G=1,1
365 JQ=439,440,539,540 ETYPE=0 M=1 TH=0.2,0 G=1,23
391 JQ=53,54,153,154 ETYPE=0 M=1 TH=0.2,0 G=2,3
397 JQ=353,354,441,442 ETYPE=0 M=1 TH=0.2,0 G=2,1
399 JQ=441,442,541,542 ETYPE=0 M=1 TH=0.2,0 G=2,23
451 JQ=56,57,156,157 ETYPE=0 M=1 TH=0.2,0 G=2,3
457 JQ=356,357,444,445 ETYPE=0 M=1 TH=0.2,0 G=2,1
459 JQ=444,445,544,545 ETYPE=0 M=1 TH=0.2,0 G=2,23
511 JQ=59,60,159,160 ETYPE=0 M=1 TH=0.2,0 G=1,3
514 JQ=359,360,447,448 ETYPE=0 M=1 TH=0.2,0 G=1,1
515 JQ=447,448,547,548 ETYPE=0 M=1 TH=0.2,0 G=1,23

```

MASSES

```

189 M=3619.5978,3619.5978,0,0,0,1630513.225
289 M=3296.7436,3296.7436,0,0,0,1485077.717
389 M=2992.0749,2992.0749,0,0,0,1347834.197
465 2665 100 M=1731.8106,1731.8106,0,0,0,515318.0181
2765 M=1679.7006,1679.7006,0,0,0,499812.1503
2865 2965 100 M=1627.5905,1627.5905,0,0,0,484306.2577
3065 M=1163.5728,1163.5728,0,0,0,346233.0418

```

10. Tinggi dinding geser 100 % dari tinggi total struktur

```

SHELL
NM=1 O=0 Z=-1
1 E=2E7 U=0.2 W=23.562 M=2.4007
C ===== X-Z GRID 4 =====
1 JQ=21,22,121,122 ETYPE=0 M=1 TH=0.2,0 G=1,3
4 JQ=321,322,417,418 ETYPE=0 M=1 TH=0.2,0 G=1,1
5 JQ=417,418,517,518 ETYPE=0 M=1 TH=0.2,0 G=1,26
31 JQ=23,24,123,124 ETYPE=0 M=1 TH=0.2,0 G=2,3
37 JQ=323,324,419,420 ETYPE=0 M=1 TH=0.2,0 G=2,1
39 JQ=419,420,519,520 ETYPE=0 M=1 TH=0.2,0 G=2,26
91 JQ=26,27,126,127 ETYPE=0 M=1 TH=0.2,0 G=2,3
97 JQ=326,327,422,423 ETYPE=0 M=1 TH=0.2,0 G=2,1
99 JQ=422,423,522,523 ETYPE=0 M=1 TH=0.2,0 G=2,26
151 JQ=29,30,129,130 ETYPE=0 M=1 TH=0.2,0 G=1,3
154 JQ=329,330,425,426 ETYPE=0 M=1 TH=0.2,0 G=1,1
155 JQ=425,426,525,526 ETYPE=0 M=1 TH=0.2,0 G=1,26
C ===== Y-Z GRID 5 =====
181 JQ=21,34,121,134 ETYPE=0 M=1 TH=0.2,0 G=1,3
184 JQ=321,334,417,428 ETYPE=0 M=1 TH=0.2,0 G=1,1
185 JQ=417,428,517,528 ETYPE=0 M=1 TH=0.2,0 G=1,26
211 JQ=34,44,134,144 ETYPE=0 M=1 TH=0.2,0 G=1,3
214 JQ=334,344,428,434 ETYPE=0 M=1 TH=0.2,0 G=1,1
215 JQ=428,434,528,534 ETYPE=0 M=1 TH=0.2,0 G=1,26
241 JQ=44,51,144,151 ETYPE=0 M=1 TH=0.2,0 G=1,3
244 JQ=344,351,434,439 ETYPE=0 M=1 TH=0.2,0 G=1,1
245 JQ=434,439,534,539 ETYPE=0 M=1 TH=0.2,0 G=1,26
C ===== Y-Z GRID 14 =====
271 JQ=30,37,130,137 ETYPE=0 M=1 TH=0.2,0 G=1,3
274 JQ=330,337,426,431 ETYPE=0 M=1 TH=0.2,0 G=1,1
275 JQ=426,431,526,531 ETYPE=0 M=1 TH=0.2,0 G=1,26
301 JQ=37,47,137,147 ETYPE=0 M=1 TH=0.2,0 G=1,3
304 JQ=337,347,431,437 ETYPE=0 M=1 TH=0.2,0 G=1,1
305 JQ=431,437,531,537 ETYPE=0 M=1 TH=0.2,0 G=1,26
331 JQ=47,60,147,160 ETYPE=0 M=1 TH=0.2,0 G=1,3
334 JQ=347,360,437,448 ETYPE=0 M=1 TH=0.2,0 G=1,1
335 JQ=437,448,537,548 ETYPE=0 M=1 TH=0.2,0 G=1,26
C ===== X-Z GRID 7 =====
361 JQ=51,52,151,152 ETYPE=0 M=1 TH=0.2,0 G=1,3
364 JQ=351,352,439,440 ETYPE=0 M=1 TH=0.2,0 G=1,1
365 JQ=439,440,539,540 ETYPE=0 M=1 TH=0.2,0 G=1,26
391 JQ=53,54,153,154 ETYPE=0 M=1 TH=0.2,0 G=2,3
397 JQ=353,354,441,442 ETYPE=0 M=1 TH=0.2,0 G=2,1
399 JQ=441,442,541,542 ETYPE=0 M=1 TH=0.2,0 G=2,26
451 JQ=56,57,156,157 ETYPE=0 M=1 TH=0.2,0 G=2,3
457 JQ=356,357,444,445 ETYPE=0 M=1 TH=0.2,0 G=2,1
459 JQ=444,445,544,545 ETYPE=0 M=1 TH=0.2,0 G=2,26
511 JQ=59,60,159,160 ETYPE=0 M=1 TH=0.2,0 G=1,3
514 JQ=359,360,447,448 ETYPE=0 M=1 TH=0.2,0 G=1,1
515 JQ=447,448,547,548 ETYPE=0 M=1 TH=0.2,0 G=1,26

MASSES
189 M=3619.5978,3619.5978,0,0,0,1630513.225
289 M=3296.7436,3296.7436,0,0,0,1485077.717
389 M=2992.0749,2992.0749,0,0,0,1347834.197
465 2965 100 M=1731.8106,1731.8106,0,0,0,515318.0181
3065 M=1215.6829,1215.6829,0,0,0,361738.9345

```

CONTOH OUTPUT JOINT DISPLACEMENTS

1. Struktur tanpa dinding geser

DYNAMIC LOAD - DISPLACEMENTS "U" AND ROTATIONS "R"

JOINT	U(X)	U(Y)	U(Z)	R(X)	R(Y)	R(Z)
101	0.025080	0.025276	0.003110	0.005899	0.005773	0.000082
103	0.025080	0.025248	0.001936	0.005936	0.005720	0.000082
115	0.024502	0.025248	0.000956	0.005869	0.005621	0.000082
121	0.024214	0.025248	0.003623	0.001878	0.003529	0.000082
133	0.023925	0.025276	0.000733	0.005863	0.005430	0.000082
134	0.023925	0.025248	0.003521	0.002522	0.003212	0.000082
201	0.059355	0.060580	0.005120	0.007854	0.007602	0.000181
203	0.059355	0.060524	0.003188	0.007884	0.007552	0.000181
215	0.058075	0.060524	0.001579	0.007822	0.007413	0.000181
221	0.057435	0.060524	0.005912	0.003184	0.004909	0.000181
233	0.056796	0.060580	0.001236	0.007833	0.007195	0.000181
234	0.056796	0.060524	0.005792	0.003687	0.004725	0.000181
301	0.101716	0.104415	0.007048	0.009663	0.009303	0.000297
303	0.101716	0.104328	0.004392	0.009698	0.009248	0.000297
315	0.099612	0.104328	0.002181	0.009630	0.009133	0.000297
321	0.098561	0.104328	0.008052	0.004348	0.006228	0.000297
333	0.097510	0.104415	0.001758	0.009608	0.008870	0.000297
334	0.097510	0.104328	0.007949	0.004805	0.006147	0.000297
1001	0.422111	0.436301	0.014724	0.013399	0.012944	0.000452
1003	0.422111	0.436252	0.009275	0.013437	0.012873	0.000452
1012	0.418913	0.436252	0.004659	0.013361	0.012884	0.000452
1017	0.417314	0.436252	0.015202	0.006949	0.009033	0.000452
1027	0.415716	0.436301	0.004225	0.013345	0.012961	0.000452
1028	0.415716	0.436252	0.015422	0.006984	0.009144	0.000452
1101	0.470480	0.486384	0.015447	0.013240	0.012779	0.000459
1103	0.470480	0.486339	0.009753	0.013276	0.012709	0.000459
1112	0.467235	0.486339	0.004907	0.013203	0.012719	0.000459
1117	0.465612	0.486339	0.015657	0.006949	0.008916	0.000459
1127	0.463990	0.486384	0.004498	0.013185	0.012796	0.000459
1128	0.463990	0.486339	0.015944	0.006891	0.009029	0.000459
1201	0.518041	0.535684	0.016083	0.013010	0.012541	0.000465
1203	0.518041	0.535642	0.010178	0.013044	0.012472	0.000465
1212	0.514752	0.535642	0.005128	0.012973	0.012481	0.000465
1217	0.513107	0.535642	0.015997	0.006908	0.008748	0.000465
1227	0.511463	0.535684	0.004751	0.012953	0.012557	0.000465
1228	0.511463	0.535642	0.016351	0.006760	0.008862	0.000465
2001	0.844722	0.877435	0.018600	0.009471	0.008937	0.000502
2003	0.844722	0.877405	0.012022	0.009484	0.008885	0.000502
2012	0.841153	0.877405	0.006138	0.009441	0.008886	0.000502
2017	0.839368	0.877405	0.015724	0.005562	0.006246	0.000502
2027	0.837584	0.877435	0.006103	0.009414	0.008938	0.000502
2028	0.837584	0.877405	0.016657	0.004830	0.006321	0.000502
2101	0.876625	0.911341	0.018673	0.008877	0.008341	0.000506
2103	0.876625	0.911311	0.012102	0.008888	0.008292	0.000506
2112	0.873029	0.911311	0.006190	0.008849	0.008291	0.000506
2117	0.871231	0.911311	0.015455	0.005306	0.005832	0.000506
2127	0.869433	0.911341	0.006198	0.008822	0.008340	0.000506
2128	0.869433	0.911311	0.016467	0.004511	0.005901	0.000506
2801	1.033854	1.082538	0.018577	0.004615	0.004114	0.000526
2803	1.033854	1.082511	0.012220	0.004605	0.004084	0.000526
2812	1.030137	1.082511	0.006313	0.004596	0.004073	0.000526
2817	1.028278	1.082511	0.013572	0.003468	0.002865	0.000526
2827	1.026420	1.082538	0.006535	0.004561	0.004098	0.000526
2828	1.026420	1.082511	0.015096	0.002237	0.002906	0.000526
2901	1.047804	1.098422	0.018550	0.004185	0.003687	0.000528
2903	1.047804	1.098395	0.012213	0.004179	0.003672	0.000528
2912	1.044078	1.098395	0.006314	0.004175	0.003668	0.000528
2917	1.042215	1.098395	0.013439	0.003297	0.002641	0.000528
2927	1.040353	1.098422	0.006547	0.004160	0.003674	0.000528
2928	1.040353	1.098395	0.014995	0.002080	0.002734	0.000528
3001	1.060578	1.113117	0.018536	0.003983	0.003491	0.000530
3003	1.060578	1.113091	0.012210	0.003953	0.003425	0.000530
3012	1.056844	1.113091	0.006314	0.003944	0.003394	0.000530
3017	1.054977	1.113091	0.013373	0.003079	0.001967	0.000530
3027	1.053111	1.113117	0.006553	0.003850	0.003458	0.000530
3028	1.053111	1.113091	0.014935	0.001394	0.001815	0.000530

2. Tinggi dinding geser 80 % dari tinggi total struktur

DYNAMIC LOAD - DISPLACEMENTS "U" AND ROTATIONS "R"

JOINT	U(X)	U(Y)	U(Z)	R(X)	R(Y)	R(Z)
101	0.024033	0.024923	0.002544	0.005761	0.005438	0.000081
103	0.024033	0.024896	0.001559	0.005798	0.005388	0.000081
115	0.023460	0.024896	0.000554	0.005731	0.005257	0.000081
121	0.023174	0.024896	0.000063	0.000028	0.000118	0.000081
133	0.022888	0.024923	0.000359	0.005715	0.005113	0.000081
134	0.022888	0.024896	0.000040	0.000004	0.001074	0.000081
201	0.055775	0.059088	0.004177	0.007542	0.006936	0.000176
203	0.055775	0.059034	0.002561	0.007571	0.006891	0.000176
215	0.054536	0.059034	0.000912	0.007513	0.006731	0.000176
221	0.053917	0.059034	0.000096	0.000062	0.000124	0.000176
233	0.053299	0.059088	0.000614	0.007508	0.006571	0.000176
234	0.053299	0.059034	0.000067	0.000007	0.001612	0.000176
301	0.093585	0.100661	0.005731	0.009023	0.008083	0.000280
303	0.093585	0.100581	0.003517	0.009057	0.008035	0.000280
315	0.091610	0.100581	0.001254	0.008993	0.007898	0.000280
321	0.090623	0.100581	0.000124	0.000099	0.000192	0.000280
333	0.089637	0.100661	0.000890	0.008960	0.007709	0.000280
334	0.089637	0.100581	0.000094	0.000012	0.002025	0.000280
1001	0.346984	0.393558	0.011745	0.011456	0.009735	0.000433
1003	0.346984	0.393509	0.007322	0.011489	0.009682	0.000433
1012	0.343938	0.393509	0.002632	0.011422	0.009644	0.000433
1017	0.342415	0.393509	0.000202	0.000175	0.000267	0.000433
1027	0.340893	0.393558	0.002234	0.011393	0.009742	0.000433
1028	0.340893	0.393509	0.000157	0.000022	0.002643	0.000433
1101	0.383154	0.436216	0.012295	0.011249	0.009525	0.000442
1103	0.383154	0.436169	0.007689	0.011280	0.009473	0.000442
1112	0.380048	0.436169	0.002768	0.011215	0.009437	0.000442
1117	0.378496	0.436169	0.000205	0.000173	0.000261	0.000442
1127	0.376944	0.436216	0.002380	0.011185	0.009533	0.000442
1128	0.376944	0.436169	0.000159	0.000021	0.002589	0.000442
1201	0.418416	0.477947	0.012774	0.010988	0.009273	0.000450
1203	0.418416	0.477903	0.008017	0.011017	0.009222	0.000450
1212	0.415254	0.477903	0.002890	0.010953	0.009187	0.000450
1217	0.413674	0.477903	0.000208	0.000169	0.000255	0.000450
1227	0.412094	0.477947	0.002516	0.010924	0.009281	0.000450
1228	0.412094	0.477903	0.000161	0.000020	0.002524	0.000450
2001	0.653575	0.760291	0.014618	0.007666	0.006296	0.000501
2003	0.653575	0.760257	0.009460	0.007677	0.006259	0.000501
2012	0.650067	0.760257	0.003482	0.007637	0.006230	0.000501
2017	0.648314	0.760257	0.000266	0.000126	0.000192	0.000501
2027	0.646561	0.760291	0.003249	0.007609	0.006294	0.000501
2028	0.646561	0.760257	0.000211	0.000008	0.001740	0.000501
2101	0.675895	0.787586	0.014667	0.007159	0.005859	0.000506
2103	0.675895	0.787553	0.009528	0.007167	0.005825	0.000506
2112	0.672356	0.787553	0.003522	0.007131	0.005796	0.000506
2117	0.670588	0.787553	0.000293	0.000106	0.000121	0.000506
2127	0.668819	0.787586	0.003304	0.007104	0.005855	0.000506
2128	0.668819	0.787553	0.000229	0.000004	0.001603	0.000506
2801	0.789129	0.926562	0.014585	0.003826	0.003150	0.000531
2803	0.789129	0.926530	0.009672	0.003818	0.003127	0.000531
2812	0.785449	0.926530	0.003695	0.003797	0.003118	0.000531
2817	0.783610	0.926530	0.001373	0.001985	0.002237	0.000531
2827	0.781771	0.926562	0.003512	0.003783	0.003136	0.000531
2828	0.781771	0.926530	0.001548	0.002032	0.002300	0.000531
2901	0.799515	0.939487	0.014564	0.003432	0.002795	0.000534
2903	0.799515	0.939455	0.009670	0.003427	0.002784	0.000534
2912	0.795824	0.939455	0.003698	0.003416	0.002779	0.000534
2917	0.793980	0.939455	0.001440	0.001892	0.002031	0.000534
2927	0.792135	0.939487	0.003570	0.003412	0.002783	0.000534
2928	0.792135	0.939455	0.001645	0.001870	0.002138	0.000534
3001	0.808929	0.951323	0.014553	0.003246	0.002627	0.000536
3003	0.808929	0.951292	0.009668	0.003219	0.002579	0.000536
3012	0.805229	0.951292	0.003699	0.003183	0.002556	0.000536
3017	0.803380	0.951292	0.001464	0.001356	0.001555	0.000536
3027	0.801531	0.951323	0.003523	0.003142	0.002605	0.000536
3028	0.801531	0.951292	0.001679	0.001284	0.001483	0.000536

3. Tinggi dinding geser 100 % dari tinggi total struktur

DYNAMIC LOAD - DISPLACEMENTS "U" AND ROTATIONS "R"

JOINT	U(X)	U(Y)	U(Z)	R(X)	R(Y)	R(Z)
101	0.024321	0.025207	0.002545	0.005826	0.005503	0.000082
103	0.024321	0.025179	0.001556	0.005864	0.005453	0.000082
115	0.023741	0.025179	0.000528	0.005796	0.005320	0.000082
121	0.023451	0.025179	0.000064	0.000029	0.000120	0.000082
133	0.023162	0.025207	0.000336	0.005780	0.005175	0.000082
134	0.023162	0.025179	0.000049	0.000005	0.001087	0.000082
201	0.056445	0.059762	0.004177	0.007628	0.007019	0.000178
203	0.056445	0.059707	0.002556	0.007658	0.006974	0.000178
215	0.055192	0.059707	0.000868	0.007599	0.006812	0.000178
221	0.054565	0.059707	0.000098	0.000062	0.000125	0.000178
233	0.053939	0.059762	0.000577	0.007594	0.006651	0.000178
234	0.053939	0.059707	0.000080	0.000008	0.001631	0.000178
301	0.094714	0.101811	0.005730	0.009126	0.008181	0.000283
303	0.094714	0.101730	0.003510	0.009161	0.008133	0.000283
315	0.092716	0.101730	0.001192	0.009096	0.007994	0.000283
321	0.091717	0.101730	0.000124	0.000100	0.000194	0.000283
333	0.090719	0.101811	0.000839	0.009063	0.007803	0.000283
334	0.090719	0.101730	0.000111	0.000012	0.002050	0.000283
1001	0.351304	0.398142	0.011703	0.011594	0.009861	0.000439
1003	0.351304	0.398092	0.007279	0.011627	0.009807	0.000439
1012	0.348215	0.398092	0.002460	0.011559	0.009770	0.000439
1017	0.346670	0.398092	0.000213	0.000177	0.000271	0.000439
1027	0.345127	0.398142	0.002106	0.011530	0.009869	0.000439
1028	0.345127	0.398092	0.000210	0.000023	0.002677	0.000439
1101	0.387952	0.441319	0.012241	0.011386	0.009651	0.000448
1103	0.387952	0.441272	0.007639	0.011417	0.009598	0.000448
1112	0.384801	0.441272	0.002577	0.011351	0.009561	0.000448
1117	0.383226	0.441272	0.000220	0.000174	0.000265	0.000448
1127	0.381651	0.441319	0.002241	0.011322	0.009659	0.000448
1128	0.381651	0.441272	0.000218	0.000022	0.002623	0.000448
1201	0.423687	0.483566	0.012708	0.011123	0.009398	0.000457
1203	0.423687	0.483521	0.007957	0.011153	0.009346	0.000457
1212	0.420478	0.483521	0.002680	0.011088	0.009310	0.000457
1217	0.418874	0.483521	0.000226	0.000171	0.000258	0.000457
1227	0.417271	0.483566	0.002364	0.011059	0.009406	0.000457
1228	0.417271	0.483521	0.000226	0.000021	0.002557	0.000457
2001	0.662005	0.769374	0.014393	0.007727	0.006348	0.000510
2003	0.662005	0.769339	0.009297	0.007738	0.006311	0.000510
2012	0.658441	0.769339	0.003079	0.007696	0.006281	0.000510
2017	0.656659	0.769339	0.000262	0.000124	0.000175	0.000510
2027	0.654877	0.769374	0.002997	0.007670	0.006345	0.000510
2028	0.654877	0.769339	0.000272	0.000013	0.001749	0.000510
2101	0.684460	0.796846	0.014417	0.007184	0.005873	0.000515
2103	0.684460	0.796812	0.009350	0.007193	0.005838	0.000515
2112	0.680864	0.796812	0.003089	0.007155	0.005810	0.000515
2117	0.679066	0.796812	0.000266	0.000117	0.000161	0.000515
2127	0.677269	0.796846	0.003038	0.007129	0.005868	0.000515
2128	0.677269	0.796812	0.000276	0.000012	0.001622	0.000515
2801	0.788611	0.928877	0.014173	0.003317	0.002478	0.000541
2803	0.788611	0.928845	0.009396	0.003307	0.002459	0.000541
2812	0.784868	0.928845	0.003065	0.003293	0.002437	0.000541
2817	0.782998	0.928845	0.000297	0.000062	0.000090	0.000541
2827	0.781127	0.928877	0.003172	0.003270	0.002461	0.000541
2828	0.781127	0.928845	0.000296	0.000003	0.000713	0.000541
2901	0.796599	0.939955	0.014143	0.002930	0.002130	0.000543
2903	0.796599	0.939922	0.009388	0.002925	0.002121	0.000543
2912	0.792846	0.939922	0.003060	0.002918	0.002107	0.000543
2917	0.790970	0.939922	0.000301	0.000049	0.000025	0.000543
2927	0.789094	0.939955	0.003176	0.002907	0.002117	0.000543
2928	0.789094	0.939922	0.000297	0.000001	0.000637	0.000543
3001	0.803674	0.949996	0.014127	0.002763	0.001986	0.000545
3003	0.803674	0.949963	0.009384	0.002734	0.001947	0.000545
3012	0.799912	0.949963	0.003057	0.002708	0.001907	0.000545
3015	0.799912	0.949963	0.003057	0.002709	0.001907	0.000545
3027	0.796151	0.949996	0.003178	0.002657	0.001959	0.000545
3028	0.796151	0.949963	0.000299	0.000005	0.000449	0.000545

CONTOH OUTPUT FILE.F3F

1. Struktur tanpa dinding geser

FRAME		ELEMENT		FORCES		AXIAL FORCE	1-3 PLANE		AXIAL TORQ
ELT ID	LOAD COND	DIST ENDI	1-2 PLANE SHEAR	MOMENT	SHEAR		MOMENT		
4									
1	0.000	0.000			0.000				0.000
		0.000	65.248	-90.613		0.000	0.000		
		3.600	-20.542	63.807		0.000	0.000		
		7.200	-65.248	-90.613		0.000	0.000		
		7.200			0.000				0.000
2	0.000	0.000			0.000				0.000
		0.000	24.969	-34.819		0.000	0.000		
		3.600	-8.100	24.704		0.000	0.000		
		7.200	-24.969	-34.819		0.000	0.000		
		7.200			0.000				0.000
3	0.000	0.000			0.000				0.000
		0.000	0.000	0.000		0.000	0.000		
		7.200	0.000	0.000		0.000	0.000		
		7.200			0.000				0.000
4	0.000	0.000			0.000				0.000
		0.000	0.000	0.000		0.000	0.000		
		7.200	0.000	0.000		0.000	0.000		
		7.200			0.000				0.000
DYN	0.000	0.000			0.000				4.085
		0.000	83.600	300.961		0.000	0.000		
		7.200	83.600	300.961		0.000	0.000		
		7.200			0.000				4.085
13									
1	0.000	0.000			0.000				0.000
		0.000	73.279	-105.843		0.000	0.000		
		3.600	-29.841	79.772		0.000	0.000		
		7.200	-73.279	-105.843		0.000	0.000		
		7.200			0.000				0.000
2	0.000	0.000			0.000				0.000
		0.000	28.350	-41.311		0.000	0.000		
		3.600	-12.150	31.589		0.000	0.000		
		7.200	-28.350	-41.311		0.000	0.000		
		7.200			0.000				0.000
3	0.000	0.000			0.000				0.000
		0.000	0.000	0.000		0.000	0.000		
		7.200	0.000	0.000		0.000	0.000		
		7.200			0.000				0.000
4	0.000	0.000			0.000				0.000
		0.000	0.000	0.000		0.000	0.000		
		7.200	0.000	0.000		0.000	0.000		
		7.200			0.000				0.000
DYN	0.000	0.000			0.000				3.841
		0.000	81.258	292.528		0.000	0.000		
		7.200	81.258	292.528		0.000	0.000		
		7.200			0.000				3.841
28									
1	0.000	0.000			0.000				-6.298
		0.000	93.169	-150.787		0.000	0.000		
		3.600	-32.436	106.432		0.000	0.000		
		7.200	-75.874	-88.525		0.000	0.000		
		7.200			0.000				-6.298
2	0.000	0.000			0.000				-1.350
		0.000	35.393	-56.767		0.000	0.000		
		3.600	-13.207	41.487		0.000	0.000		
		7.200	-29.407	-35.218		0.000	0.000		
		7.200			0.000				-1.350
3	0.000	0.000			0.000				-0.296
		0.000	-0.009	0.036		0.000	0.000		
		7.200	-0.009	-0.029		0.000	0.000		
		7.200			0.000				-0.296
4	0.000	0.000			0.000				-0.100
		0.000	-0.003	0.012		0.000	0.000		
		7.200	-0.003	-0.010		0.000	0.000		
		7.200			0.000				-0.100
DYN	0.000	0.000			0.000				111.202
		0.000	61.228	239.660		0.000	0.000		
		7.200	61.228	201.192		0.000	0.000		
		7.200			0.000				111.202

FRAME ELEMENT FORCES							
ELT LOAD ID COND	DIST ENDI	1-2 PLANE		AXIAL FORCE	1-3 PLANE		AXIAL TORQ
		SHEAR	MOMENT		SHEAR	MOMENT	
3101							
1	0.000			-5799.241			0.000
	0.000	-0.716	1.782		-1.495	13.768	
	7.500	-0.716	-3.585		-1.495	2.553	
	7.500			-5544.774			0.000
2	0.000			-629.683			0.000
	0.000	-0.259	0.645		-0.457	3.285	
	7.500	-0.259	-1.297		-0.457	-0.140	
	7.500			-629.683			0.000
3	0.000			-5.121			0.000
	0.000	0.000	-0.001		-0.421	9.169	
	7.500	0.000	0.002		-0.421	6.014	
	7.500			-5.121			0.000
4	0.000			-1.721			0.000
	0.000	0.000	0.000		-0.142	3.087	
	7.500	0.000	0.001		-0.142	2.020	
	7.500			-1.721			0.000
DYN	0.000			11943.325			265.852
	0.000	335.841	3916.571		309.654	3874.029	
	7.500	335.841	1409.748		309.654	1570.428	
	7.500			11943.325			265.852
3103							
1	0.000			-8372.254			0.000
	0.000	-6.144	15.304		-9.315	33.246	
	7.500	-6.144	-30.779		-9.315	-36.619	
	7.500			-8117.786			0.000
2	0.000			-1638.599			0.000
	0.000	-2.357	5.871		-3.514	10.901	
	7.500	-2.357	-11.807		-3.514	-15.456	
	7.500			-1638.599			0.000
3	0.000			-2.634			0.000
	0.000	-0.001	0.002		5.065	-4.495	
	7.500	-0.001	-0.004		5.065	33.493	
	7.500			-2.634			0.000
4	0.000			-0.879			0.000
	0.000	0.000	0.001		1.685	-1.464	
	7.500	0.000	-0.001		1.685	11.173	
	7.500			-0.879			0.000
DYN	0.000			7433.208			265.852
	0.000	355.100	3964.707		293.142	3030.012	
	7.500	355.100	1313.148		293.142	1646.481	
	7.500			7433.208			265.852
5401							
1	0.000			-1367.095			0.000
	0.000	-10.561	19.763		-11.262	21.053	
	3.750	-10.561	-19.841		-11.262	-21.178	
	3.750			-1239.861			0.000
2	0.000			-171.094			0.000
	0.000	-4.058	7.593		-4.268	7.981	
	3.750	-4.058	-7.623		-4.268	-8.024	
	3.750			-171.094			0.000
3	0.000			0.111			0.000
	0.000	0.052	-0.097		0.053	-0.106	
	3.750	0.052	0.097		0.053	0.091	
	3.750			0.111			0.000
4	0.000			0.039			0.000
	0.000	0.016	-0.030		0.016	-0.033	
	3.750	0.016	0.030		0.016	0.028	
	3.750			0.039			0.000
DYN	0.000			497.461			95.035
	0.000	115.902	495.451		122.327	480.870	
	3.750	115.902	805.285		122.327	822.709	
	3.750			497.461			95.035

Output File.F3F

FRAME ELEMENT FORCES							
ELT LOAD ID COND	DIST ENDI	1-2 PLANE		AXIAL FORCE	1-3 PLANE		AXIAL TORQ
		SHEAR	MOMENT		SHEAR	MOMENT	
5403							
1	0.000			-1824.280			0.000
	0.000	-57.482	107.623	-47.855	89.629		
	3.750	-57.482	-107.936	-47.855	-89.825		
2	0.000			-1697.047			0.000
	0.000	-22.066	41.373	-341.377	-17.816	33.374	0.000
	3.750	-22.066	-41.374	-17.816	-33.435		
3	0.000			-341.377			0.000
	0.000	-0.012	0.023	-0.237	21.508	-40.332	0.000
	3.750	-0.012	-0.023	21.508	40.323		
4	0.000			-0.237			0.000
	0.000	-0.004	0.008	-0.072	7.160	-13.427	0.000
	3.750	-0.004	-0.008	7.160	13.423		
DYN	0.000			-0.072			0.000
	0.000			549.366			95.035
	0.000	220.074	325.524	103.151	486.914		
	3.750	220.074	1012.989	103.151	804.861		
	3.750			549.366			95.035
6001							
1	0.000			-191.148			0.000
	0.000	-17.041	25.407	-18.146	27.014		
	3.750	-17.041	-38.498	-18.146	-41.035		
2	0.000			-63.914			0.000
	0.000	-6.351	9.607	-21.144	-6.685	10.092	0.000
	3.750	-6.351	-14.209	-6.685	-14.975		
3	0.000			-21.144			0.000
	0.000	0.152	-0.150	0.010	0.154	-0.154	0.000
	3.750	0.152	0.420	0.154	0.424		
4	0.000			0.010			0.000
	0.000	0.035	-0.041	0.004	0.036	-0.042	0.000
	3.750	0.035	0.091	0.036	0.092		
DYN	0.000			0.004			0.000
	0.000			122.731			54.441
	0.000	111.921	348.287	101.275	333.136		
	3.750	111.921	189.096	101.275	184.938		
	3.750			122.731			54.441
6003							
1	0.000			-241.064			0.000
	0.000	-91.248	136.142	-72.671	109.979		
	3.750	-91.248	-206.038	-72.671	-162.539		
2	0.000			-113.830			0.000
	0.000	-33.112	50.642	-30.698	-23.996	38.507	0.000
	3.750	-33.112	-73.527	-23.996	-51.477		
3	0.000			-30.698			0.000
	0.000	-0.021	0.030	-0.094	31.681	-48.290	0.000
	3.750	-0.021	-0.049	31.681	70.515		
4	0.000			-0.094			0.000
	0.000	-0.007	0.010	-0.020	8.739	-14.661	0.000
	3.750	-0.007	-0.016	8.739	18.112		
DYN	0.000			-0.020			0.000
	0.000			91.002			54.441
	0.000	42.092	160.743	49.562	254.271		
	3.750	42.092	302.379	49.562	203.167		
	3.750			91.002			54.441

2. Tinggi dinding geser 80 % dari tinggi total struktur

FRAME ID	ELEMENT COND	FORCES DIST ENDDI	1-2 PLANE		AXIAL FORCE	1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT		SHEAR	MOMENT	
4								
1	0.000	0.000			0.000			0.000
		0.000	65.248	-90.613	0.000	0.000	0.000	0.000
		3.600	-20.542	63.807	0.000	0.000	0.000	0.000
		7.200	-65.248	-90.613	0.000	0.000	0.000	0.000
2	0.000	0.000			0.000			0.000
		0.000	24.969	-34.819	0.000	0.000	0.000	0.000
		3.600	-8.100	24.704	0.000	0.000	0.000	0.000
		7.200	-24.969	-34.819	0.000	0.000	0.000	0.000
3	0.000	0.000			0.000			0.000
		0.000	0.000	0.000	0.000	0.000	0.000	0.000
		7.200	0.000	0.000	0.000	0.000	0.000	0.000
		7.200	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000			0.000			0.000
		0.000	0.000	0.000	0.000	0.000	0.000	0.000
		7.200	0.000	0.000	0.000	0.000	0.000	0.000
		7.200	0.000	0.000	0.000	0.000	0.000	0.000
DYN	0.000	0.000			0.000			0.000
		0.000	78.716	283.378	0.000	0.000	0.000	3.999
		7.200	78.716	283.378	0.000	0.000	0.000	3.999
		7.200			0.000			0.000
13								
1	0.000	0.000			0.000			0.000
		0.000	73.279	-105.839	0.000	0.000	0.000	0.000
		3.600	-29.841	79.775	0.000	0.000	0.000	0.000
		7.200	-73.279	-105.839	0.000	0.000	0.000	0.000
2	0.000	0.000			0.000			0.000
		0.000	28.350	-41.310	0.000	0.000	0.000	0.000
		3.600	-12.150	31.590	0.000	0.000	0.000	0.000
		7.200	-28.350	-41.310	0.000	0.000	0.000	0.000
3	0.000	0.000			0.000			0.000
		0.000	0.000	0.000	0.000	0.000	0.000	0.000
		7.200	0.000	0.000	0.000	0.000	0.000	0.000
		7.200	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000			0.000			0.000
		0.000	0.000	0.000	0.000	0.000	0.000	0.000
		7.200	0.000	0.000	0.000	0.000	0.000	0.000
		7.200	0.000	0.000	0.000	0.000	0.000	0.000
DYN	0.000	0.000			0.000			0.000
		0.000	76.075	273.869	0.000	0.000	0.000	3.919
		7.200	76.075	273.869	0.000	0.000	0.000	3.919
		7.200			0.000			0.000
28								
1	0.000	0.000			0.000			-0.746
		0.000	86.212	-128.305	0.000	0.000	0.000	-0.746
		3.600	-39.393	103.870	0.000	0.000	0.000	-0.746
		7.200	-82.831	-116.133	0.000	0.000	0.000	-0.746
2	0.000	0.000			0.000			-0.167
		0.000	33.033	-49.372	0.000	0.000	0.000	-0.167
		3.600	-15.567	40.387	0.000	0.000	0.000	-0.167
		7.200	-31.767	-44.814	0.000	0.000	0.000	-0.167
3	0.000	0.000			0.000			-0.513
		0.000	-0.003	0.014	0.000	0.000	0.000	-0.513
		7.200	-0.003	-0.008	0.000	0.000	0.000	-0.513
		7.200			0.000			-0.513
4	0.000	0.000			0.000			-0.173
		0.000	-0.001	0.005	0.000	0.000	0.000	-0.173
		7.200	-0.001	-0.003	0.000	0.000	0.000	-0.173
		7.200			0.000			-0.173
DYN	0.000	0.000			0.000			186.207
		0.000	44.017	193.527	0.000	0.000	0.000	186.207
		7.200	44.017	123.397	0.000	0.000	0.000	186.207
		7.200			0.000			186.207

Output File.F3F

FRAME ELT ID	LOAD COND	ELEMENT DIST ENDI	FORCES 1-2 PLANE		AXIAL FORCE	1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT		SHEAR	MOMENT	
3101								
1	0.000	0.000			-5766.887			0.000
		7.500	-0.710	1.768		-1.476	13.320	
		7.500	-0.710	-3.555		-1.476	2.248	
2	0.000	0.000			-5512.419			0.000
		7.500	-0.257	0.640		-0.451	3.182	
		7.500	-0.257	-1.287		-0.451	-0.199	
3	0.000	0.000			-618.863			0.000
		7.500	0.000	0.000		-0.417	8.901	
		7.500	0.000	0.001		-0.417	5.771	
4	0.000	0.000			-4.655			0.000
		7.500	0.000	0.000		-0.141	2.997	
		7.500	0.000	0.000		-0.141	1.938	
DYN	0.000	0.000			-1.564			0.000
		0.000			9773.183			267.095
		7.500	360.257	3884.604		329.254	3914.848	
3103	0.000	0.000			9773.183			267.095
		7.500	360.257	1192.281		329.254	1462.481	
		7.500						
1	0.000	0.000			-8257.912			0.000
		7.500	-6.123	15.250		-9.134	32.392	
		7.500	-6.123	-30.669		-9.134	-36.109	
2	0.000	0.000			-8003.444			0.000
		7.500	-2.351	5.856		-3.453	10.659	
		7.500	-2.351	-11.777		-3.453	-15.236	
3	0.000	0.000			-1600.055			0.000
		7.500	-0.001	0.002		5.067	-4.759	
		7.500	-0.901	-0.004		5.067	33.242	
4	0.000	0.000			-2.490			0.000
		7.500	0.000	0.001		1.685	-1.553	
		7.500	0.000	-0.001		1.685	11.088	
DYN	0.000	0.000			-0.831			0.000
		0.000			5975.942			267.095
		7.500	378.665	3930.562		312.445	3869.993	
5401	0.000	0.000			5975.942			267.095
		7.500	378.665	1100.111		312.445	1540.118	
		7.500						
1	0.000	0.000			-1356.371			0.000
		3.750	-10.293	19.262		-10.820	20.235	
		3.750	-10.293	-19.337		-10.820	-20.340	
2	0.000	0.000			-1229.138			0.000
		3.750	-3.967	7.423		-4.120	7.706	
		3.750	-3.967	-7.452		-4.120	-7.743	
3	0.000	0.000			-167.478			0.000
		3.750	0.050	-0.094		0.053	-0.103	
		3.750	0.050	0.094		0.053	0.096	
4	0.000	0.000			0.096			0.000
		3.750	0.015	-0.029		0.016	-0.032	
		3.750	0.015	0.029		0.016	0.030	
DYN	0.000	0.000			0.034			0.000
		0.000			500.866			88.396
		3.750	83.393	424.526		94.951	460.571	
5401	0.000	0.000			500.866			88.396
		3.750	83.393	622.840		94.951	718.955	
		3.750						

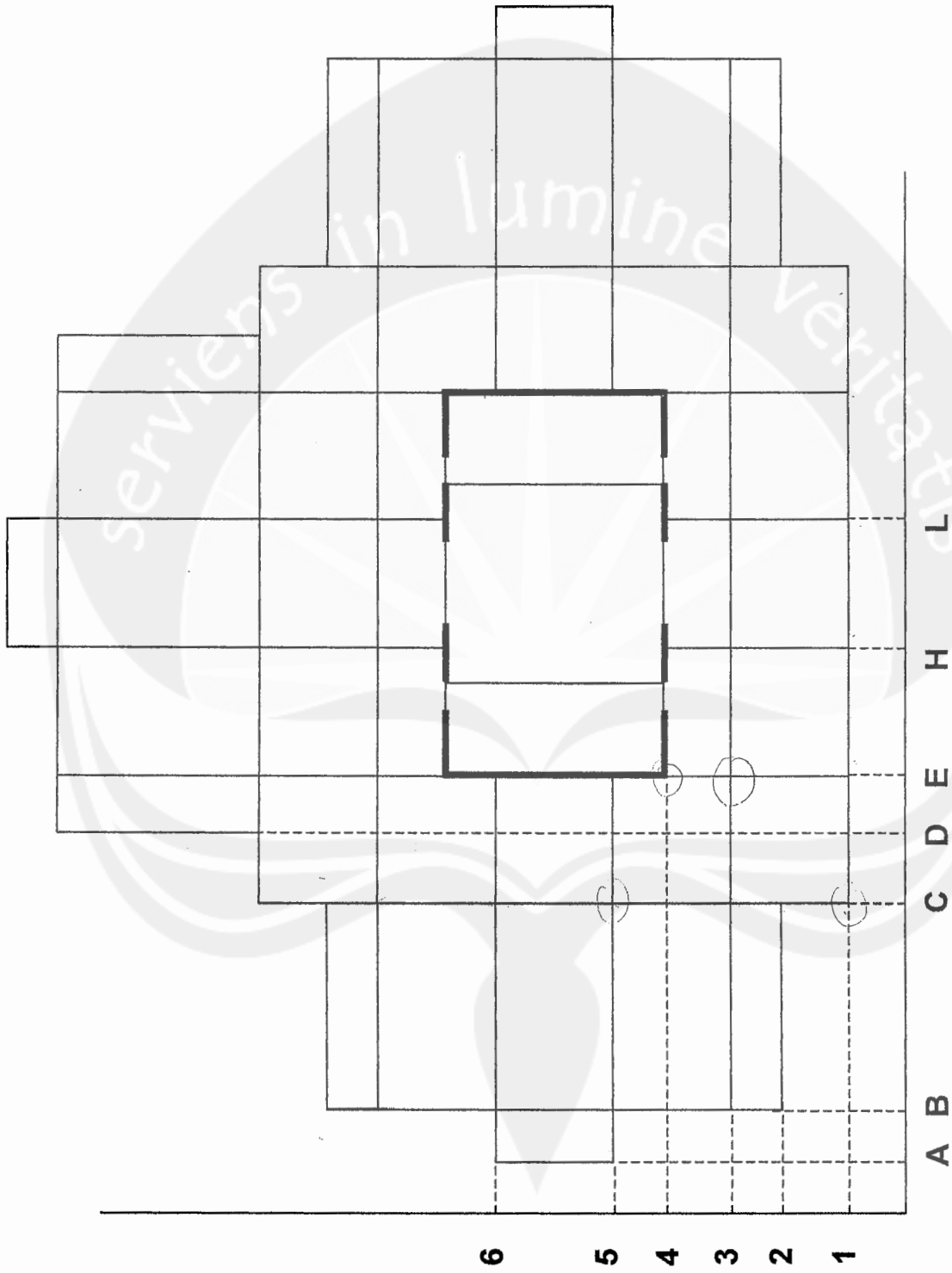
FRAME ELEMENT FORCES								
ELT ID	LOAD COND	ELEM DIST ENDI	1-2 PLANE		AXIAL FORCE	1-3 PLANE		AXIAL TORQ
			SHEAR	MOMENT		SHEAR	MOMENT	

5403								
1	0.000	0.000			-1786.469			0.000
	0.000	0.000	-56.232	105.285	-40.219	75.360		
	3.750	3.750	-56.232	-105.584	-40.219	-75.460		
	3.750	3.750			-1659.235			0.000
2	0.000	0.000			-328.620			0.000
	0.000	0.000	-21.671	40.635	-15.216	28.515		
	3.750	3.750	-21.671	-40.631	-15.216	-28.545		
	3.750	3.750			-328.620			0.000
3	0.000	0.000			-0.239			0.000
	0.000	0.000	-0.013	0.023	21.507	-40.325		
	3.750	3.750	-0.013	-0.024	21.507	40.326		
	3.750	3.750			-0.239			0.000
4	0.000	0.000			-0.072			0.000
	0.000	0.000	-0.004	0.008	7.160	-13.425		
	3.750	3.750	-0.004	-0.008	7.160	13.423		
	3.750	3.750			-0.072			0.000
DYN	0.000	0.000			442.877			88.396
	0.000	0.000	150.631	302.733	80.516	461.442		
	3.750	3.750	150.631	762.856	80.516	710.072		
	3.750	3.750			442.877			88.396

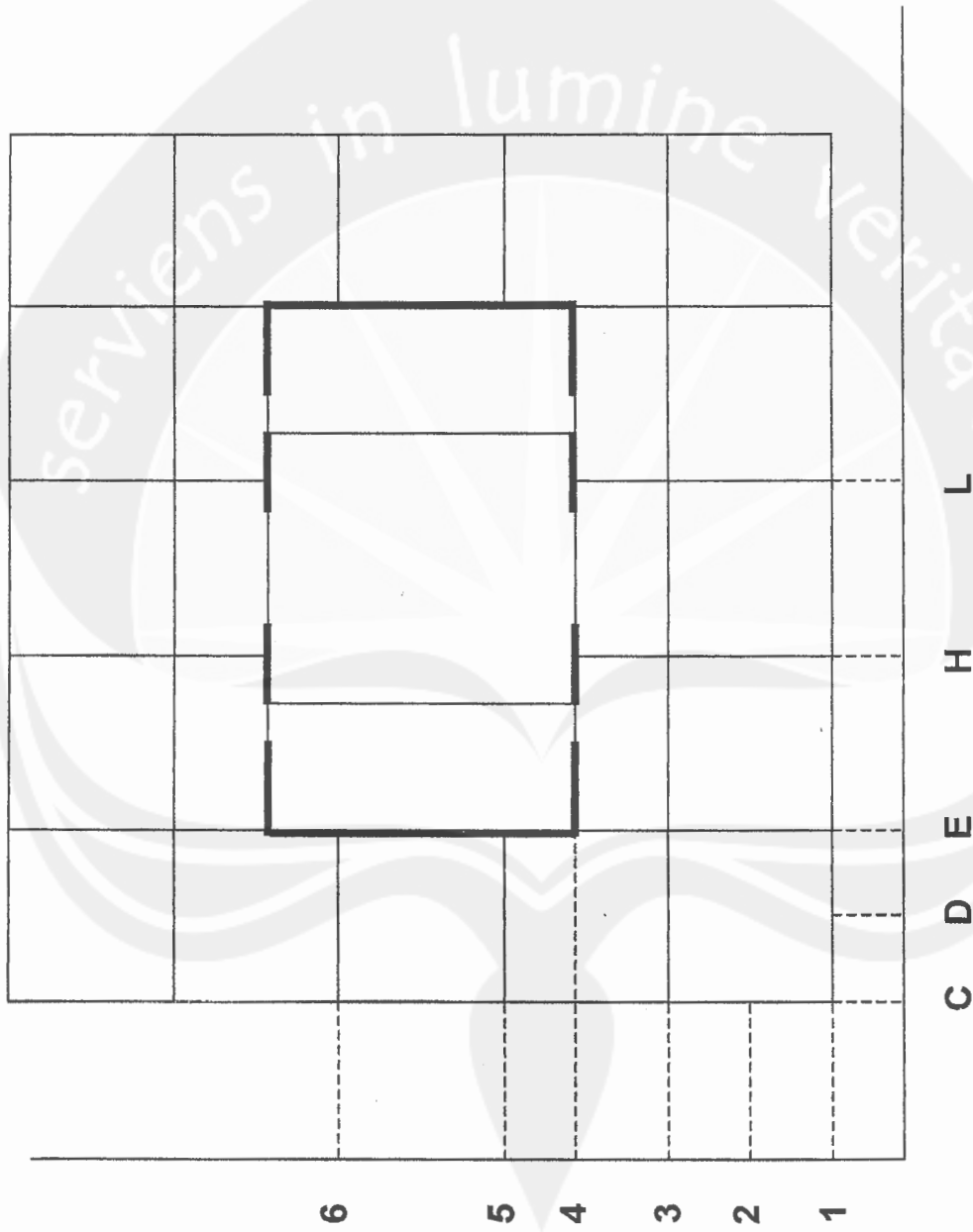
6001								
1	0.000	0.000			-189.649			0.000
	0.000	0.000	-16.591	24.741	-17.388	25.872		
	3.750	3.750	-16.591	-37.475	-17.388	-39.335		
	3.750	3.750			-62.415			0.000
2	0.000	0.000			-20.638			0.000
	0.000	0.000	-6.198	9.382	-6.430	9.708		
	3.750	3.750	-6.198	-13.862	-6.430	-14.404		
	3.750	3.750			-20.638			0.000
3	0.000	0.000			0.007			0.000
	0.000	0.000	0.150	-0.147	0.154	-0.152		
	3.750	3.750	0.150	0.414	0.154	0.425		
	3.750	3.750			0.007			0.000
4	0.000	0.000			0.003			0.000
	0.000	0.000	0.034	-0.040	0.036	-0.042		
	3.750	3.750	0.034	0.089	0.036	0.092		
	3.750	3.750			0.003			0.000
DYN	0.000	0.000			129.895			47.887
	0.000	0.000	105.368	303.126	98.242	316.065		
	3.750	3.750	105.368	154.536	98.242	133.014		
	3.750	3.750			129.895			47.887

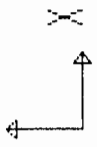
6003								
1	0.000	0.000			-235.752			0.000
	0.000	0.000	-89.141	133.036	-59.829	91.036		
	3.750	3.750	-89.141	-201.243	-59.829	-133.323		
	3.750	3.750			-108.518			0.000
2	0.000	0.000			-28.907			0.000
	0.000	0.000	-32.453	49.664	-19.624	32.057		
	3.750	3.750	-32.453	-72.034	-19.624	-41.533		
	3.750	3.750			-28.907			0.000
3	0.000	0.000			-0.095			0.000
	0.000	0.000	-0.022	0.031	31.679	-48.285		
	3.750	3.750	-0.022	-0.050	31.679	70.511		
	3.750	3.750			-0.095			0.000
4	0.000	0.000			-0.020			0.000
	0.000	0.000	-0.007	0.010	8.739	-14.659		
	3.750	3.750	-0.007	-0.016	8.739	18.110		
	3.750	3.750			-0.020			0.000
DYN	0.000	0.000			78.628			47.887
	0.000	0.000	24.334	187.660	37.881	237.289		
	3.750	3.750	24.334	146.776	37.881	127.661		
	3.750	3.750			78.628			47.887

Denah Struktur Lantai 1 sampai dengan Lantai 3



Denah Struktur Lantai 4 sampai dengan Lantai Atap

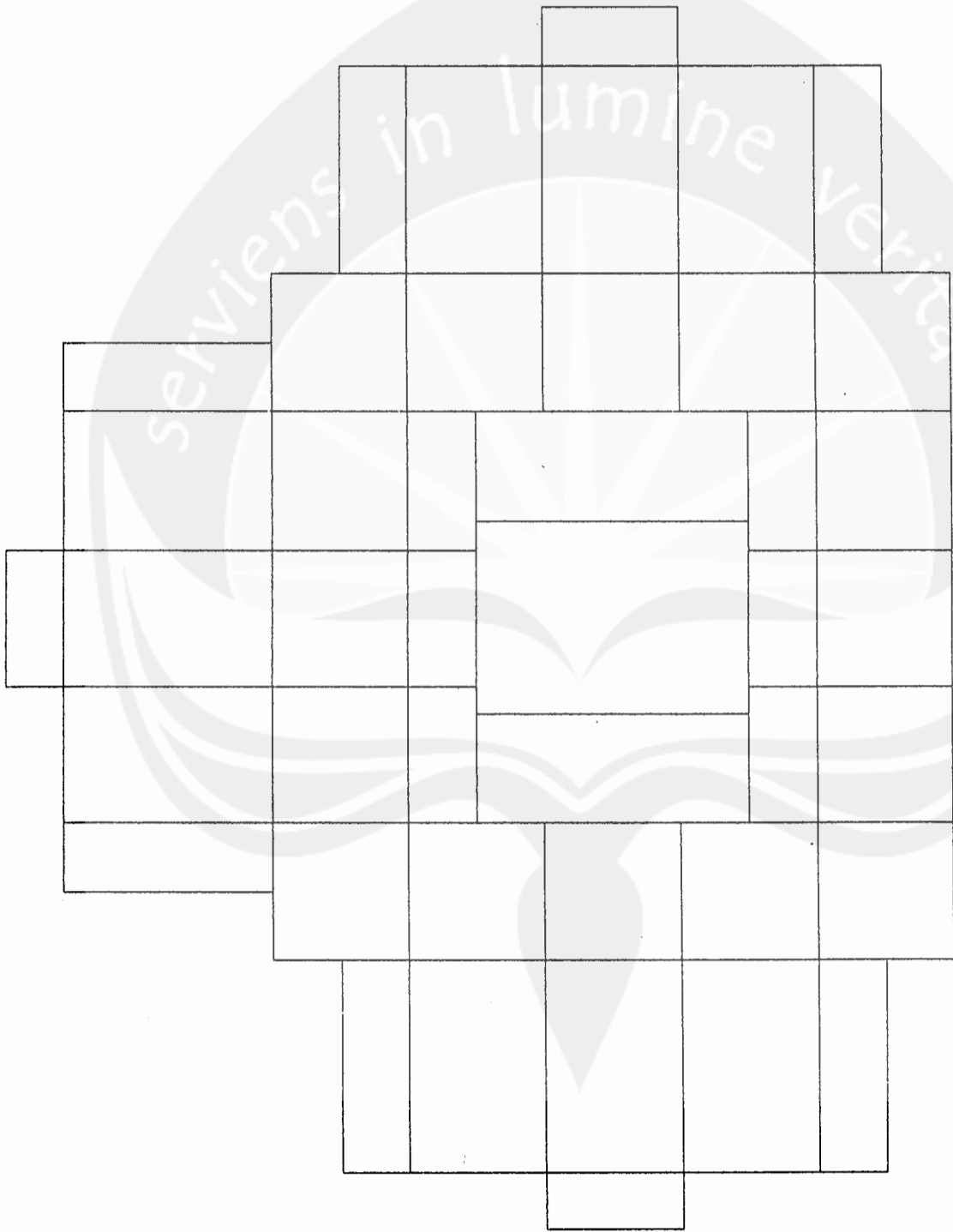




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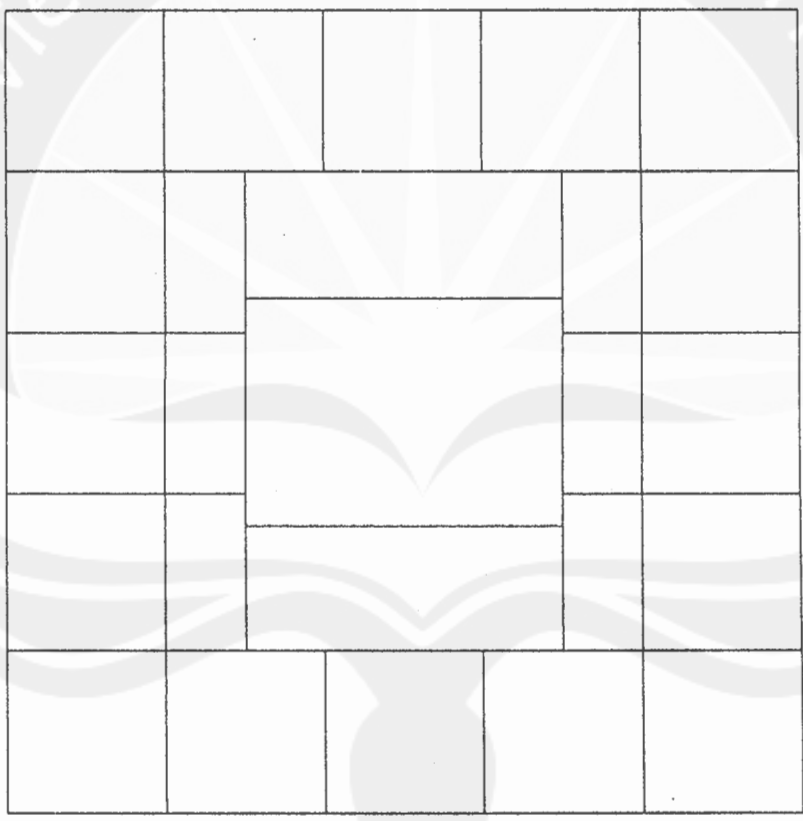


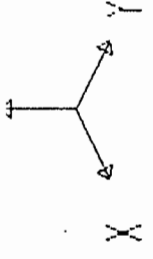
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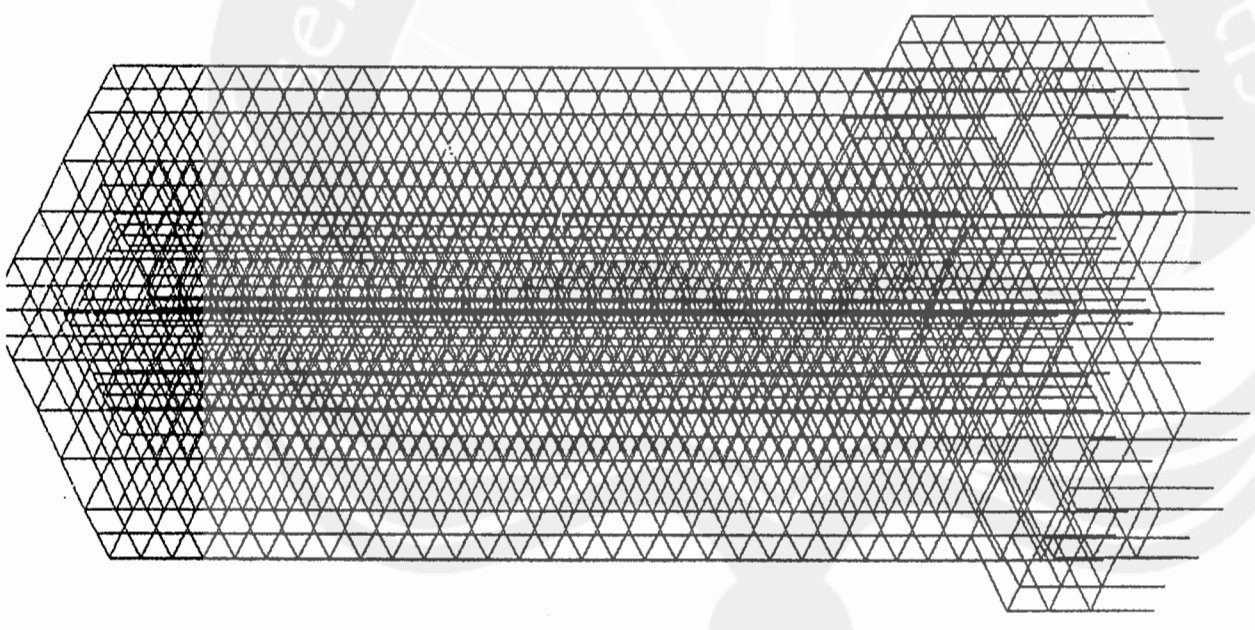




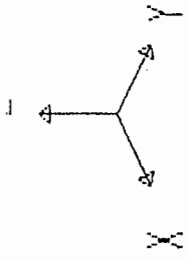
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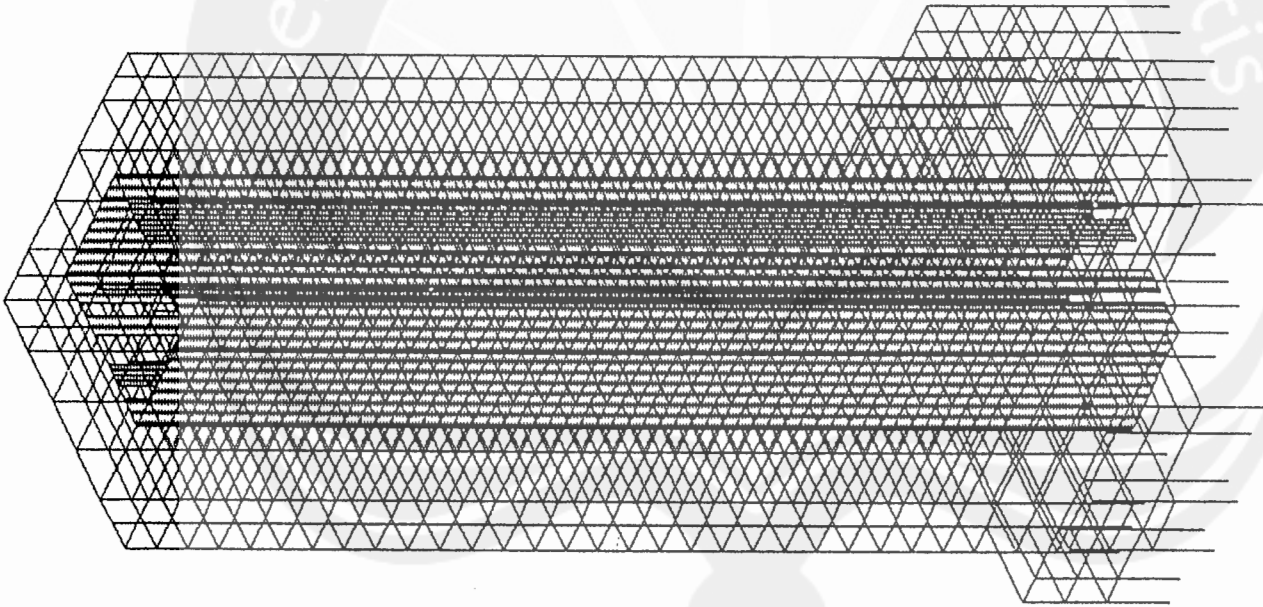
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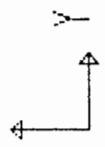


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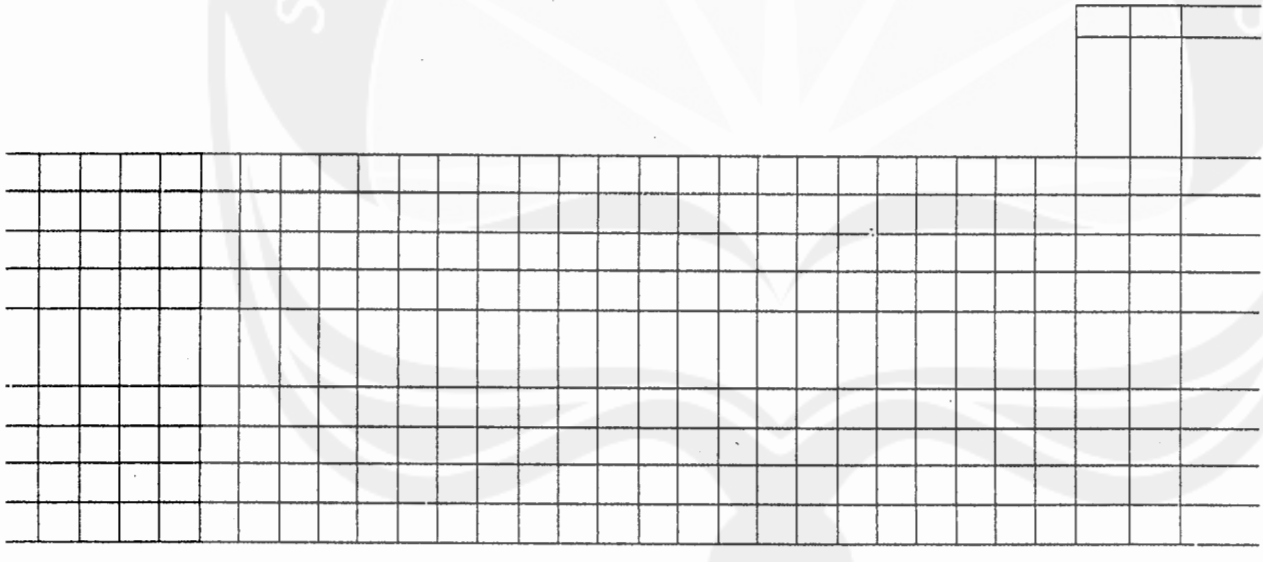


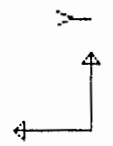


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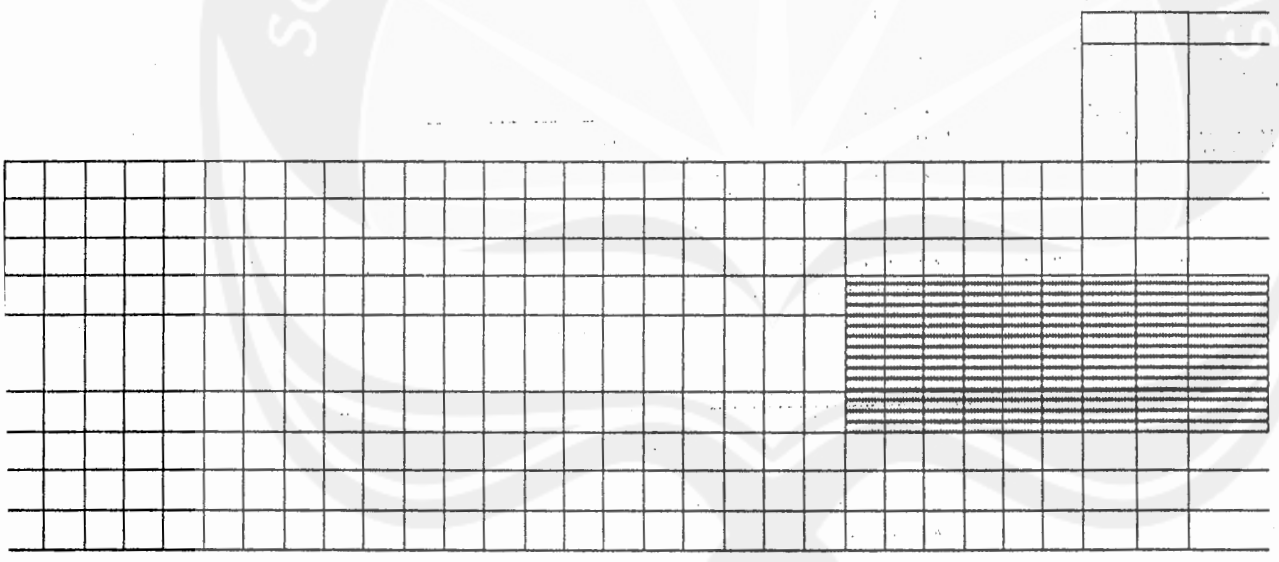


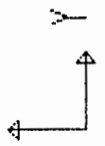


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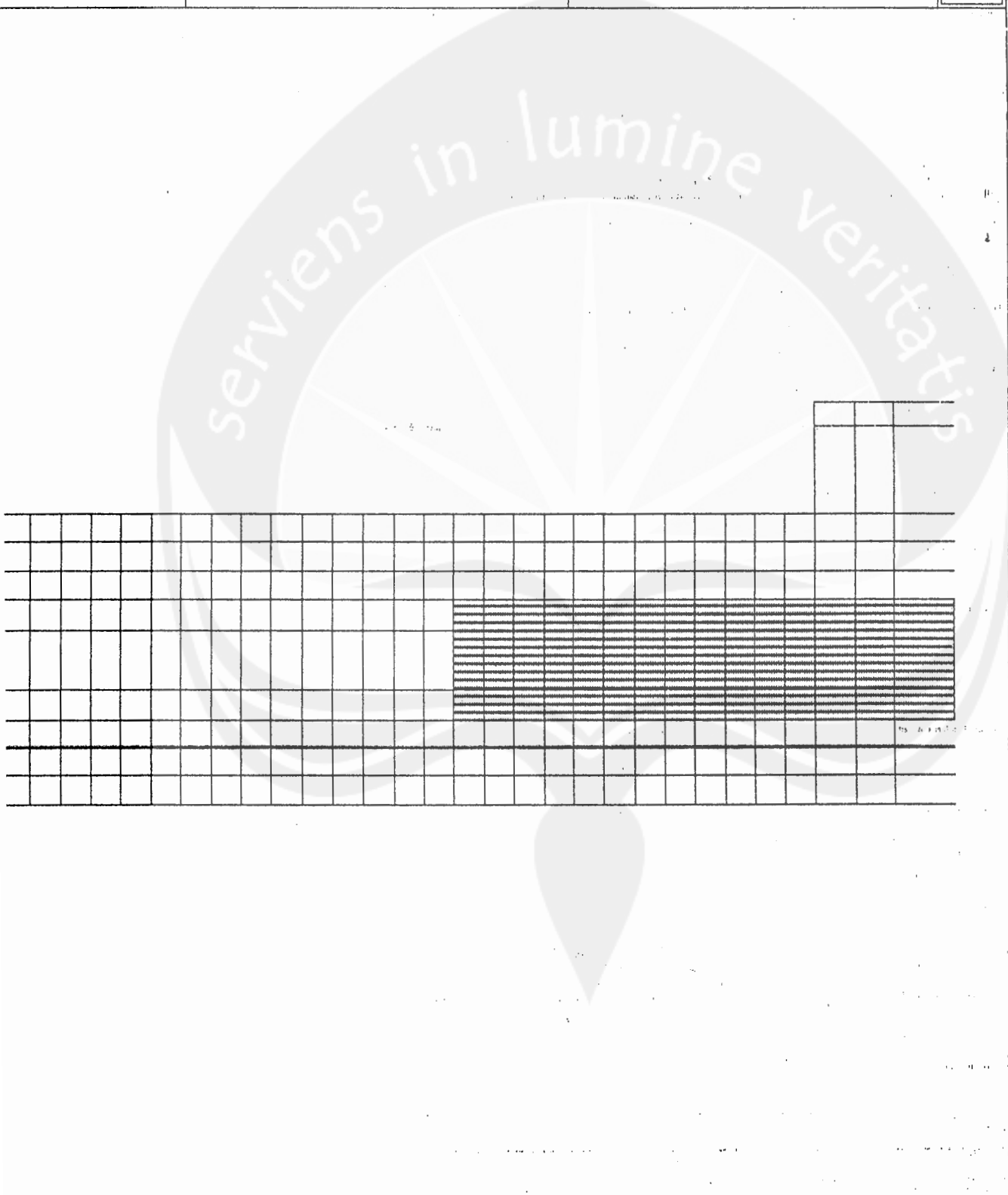


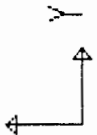


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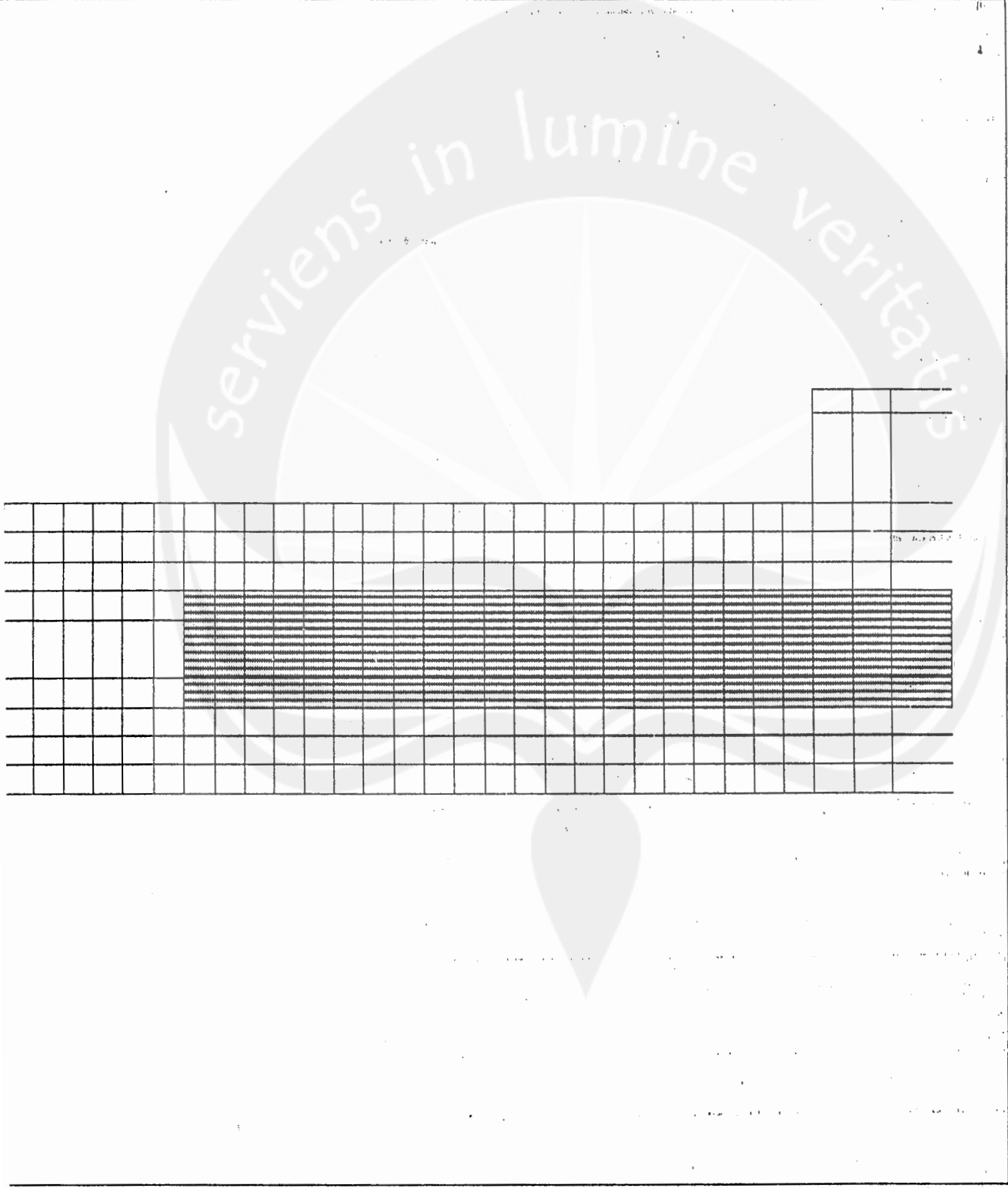




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