

■ 참고1교

1) 합성 전

< BEFORE COMPOSITE SELF-WEIGHT LOAD >

SYSTEM
LENGTH=M

FORCE=KN

JOINT

1 X= 0.000 Y=0.000 Z=0.000
2 X= 4.358 Y=0.825 Z=-0.013
3 X= 9.314 Y=1.740 Z=-0.028
4 X= 14.275 Y=2.630 Z=-0.043
5 X= 19.240 Y=3.496 Z=-0.059
6 X= 24.209 Y=4.336 Z=-0.073
7 X= 29.183 Y=5.151 Z=-0.088
8 X= 34.161 Y=5.942 Z=-0.103
9 X= 39.148 Y=6.708 Z=-0.118
10 X= 44.127 Y=7.448 Z=-0.133
11 X= 49.116 Y=8.164 Z=-0.148
12 X= 54.109 Y=8.855 Z=-0.163
13 X= 59.105 Y=9.520 Z=-0.178
14 X= 64.104 Y=10.161 Z=-0.193
15 X= 69.106 Y=10.777 Z=-0.208
16 X= 74.111 Y=11.368 Z=-0.223
17 X= 79.119 Y=11.934 Z=-0.238
18 X= 84.130 Y=12.475 Z=-0.253
19 X= 89.149 Y=12.991 Z=-0.268
20 X= 94.160 Y=13.481 Z=-0.283
21 X= 99.178 Y=13.947 Z=-0.298
22 X= 104.199 Y=14.387 Z=-0.313
23 X= 109.222 Y=14.802 Z=-0.328
24 X= 114.247 Y=15.193 Z=-0.343
25 X= 119.273 Y=15.558 Z=-0.358
26 X= 124.302 Y=15.898 Z=-0.373
27 X= 129.332 Y=16.213 Z=-0.388
28 X= 134.364 Y=16.502 Z=-0.403
29 X= 139.402 Y=16.767 Z=-0.418
30 X= 144.431 Y=17.006 Z=-0.433
31 X= 149.466 Y=17.220 Z=-0.448
32 X= 154.503 Y=17.409 Z=-0.463
33 X= 159.540 Y=17.573 Z=-0.478
34 X= 164.578 Y=17.712 Z=-0.493
35 X= 169.617 Y=17.825 Z=-0.508
36 X= 174.656 Y=17.913 Z=-0.523
37 X= 179.696 Y=17.976 Z=-0.538
38 X= 184.736 Y=18.014 Z=-0.553
39 X= 189.781 Y=18.027 Z=-0.568
40 X= 194.816 Y=18.014 Z=-0.583
41 X= 199.856 Y=17.976 Z=-0.598
42 X= 204.895 Y=17.913 Z=-0.613
43 X= 209.934 Y=17.825 Z=-0.628
44 X= 214.973 Y=17.712 Z=-0.643
45 X= 220.011 Y=17.573 Z=-0.658
46 X= 225.049 Y=17.410 Z=-0.673
47 X= 230.085 Y=17.221 Z=-0.688
48 X= 235.120 Y=17.007 Z=-0.703
49 X= 240.160 Y=16.767 Z=-0.718
50 X= 245.188 Y=16.503 Z=-0.733
51 X= 250.219 Y=16.213 Z=-0.748
52 X= 255.250 Y=15.898 Z=-0.763
53 X= 260.278 Y=15.559 Z=-0.778
54 X= 265.305 Y=15.193 Z=-0.793
55 X= 270.330 Y=14.803 Z=-0.808
56 X= 275.353 Y=14.388 Z=-0.823
57 X= 280.373 Y=13.948 Z=-0.838
58 X= 285.392 Y=13.482 Z=-0.853
59 X= 290.413 Y=12.991 Z=-0.868
60 X= 295.421 Y=12.476 Z=-0.883
61 X= 300.432 Y=11.935 Z=-0.898
62 X= 305.440 Y=11.369 Z=-0.913
63 X= 310.446 Y=10.779 Z=-0.928
64 X= 315.448 Y=10.163 Z=-0.943
65 X= 320.447 Y=9.522 Z=-0.958
66 X= 325.443 Y=8.856 Z=-0.973
67 X= 330.435 Y=8.165 Z=-0.988
68 X= 335.424 Y=7.450 Z=-1.003
69 X= 340.415 Y=6.708 Z=-1.018

70 X= 345.391 Y=5.943 Z=-1.033
71 X= 350.369 Y=5.153 Z=-1.048
72 X= 355.342 Y=4.337 Z=-1.063
73 X= 360.312 Y=3.497 Z=-1.078
74 X= 365.277 Y=2.632 Z=-1.093
75 X= 370.238 Y=1.742 Z=-1.108
76 X= 375.194 Y=0.828 Z=-1.123
77 X= 379.563 Y=0.000 Z=-1.136
78 X= 1.379 Y=-7.168 Z=0.365
79 X= 5.701 Y=-6.350 Z=0.352
80 X= 10.621 Y=-5.442 Z=0.337
81 X= 15.546 Y=-4.558 Z=0.322
82 X= 20.475 Y=-3.700 Z=0.307
83 X= 25.408 Y=-2.865 Z=0.292
84 X= 30.346 Y=-2.056 Z=0.277
85 X= 35.288 Y=-1.271 Z=0.262
86 X= 40.239 Y=-0.510 Z=0.247
87 X= 45.182 Y=0.224 Z=0.232
88 X= 50.135 Y=0.935 Z=0.217
89 X= 55.091 Y=1.621 Z=0.202
90 X= 60.051 Y=2.282 Z=0.187
91 X= 65.014 Y=2.918 Z=0.172
92 X= 69.980 Y=3.530 Z=0.157
93 X= 74.949 Y=4.116 Z=0.142
94 X= 79.921 Y=4.678 Z=0.127
95 X= 84.888 Y=5.215 Z=0.112
96 X= 89.878 Y=5.727 Z=0.097
97 X= 94.862 Y=6.214 Z=0.082
98 X= 99.834 Y=6.676 Z=0.067
99 X= 104.819 Y=7.113 Z=0.052
100 X= 109.805 Y=7.526 Z=0.037
101 X= 114.794 Y=7.913 Z=0.022
102 X= 119.784 Y=8.278 Z=0.007
103 X= 124.776 Y=8.613 Z=-0.008
104 X= 129.770 Y=8.926 Z=-0.023
105 X= 134.765 Y=9.213 Z=-0.038
106 X= 139.767 Y=9.476 Z=-0.053
107 X= 144.769 Y=9.713 Z=-0.068
108 X= 149.758 Y=9.926 Z=-0.083
109 X= 154.758 Y=10.114 Z=-0.098
110 X= 159.759 Y=10.276 Z=-0.113
111 X= 164.761 Y=10.414 Z=-0.128
112 X= 169.763 Y=10.526 Z=-0.143
113 X= 174.766 Y=10.614 Z=-0.158
114 X= 179.769 Y=10.677 Z=-0.173
115 X= 184.772 Y=10.714 Z=-0.188
116 X= 189.781 Y=10.727 Z=-0.203
117 X= 194.779 Y=10.714 Z=-0.218
118 X= 199.783 Y=10.677 Z=-0.233
119 X= 204.786 Y=10.614 Z=-0.248
120 X= 209.788 Y=10.527 Z=-0.263
121 X= 214.791 Y=10.414 Z=-0.278
122 X= 219.792 Y=10.277 Z=-0.293
123 X= 224.793 Y=10.114 Z=-0.308
124 X= 229.793 Y=9.927 Z=-0.323
125 X= 234.792 Y=9.714 Z=-0.338
126 X= 239.795 Y=9.476 Z=-0.353
127 X= 244.786 Y=9.214 Z=-0.368
128 X= 249.782 Y=8.926 Z=-0.383
129 X= 254.775 Y=8.614 Z=-0.398
130 X= 259.768 Y=8.276 Z=-0.413
131 X= 264.758 Y=7.914 Z=-0.428
132 X= 269.746 Y=7.527 Z=-0.443
133 X= 274.733 Y=7.114 Z=-0.458
134 X= 279.717 Y=6.677 Z=-0.473
135 X= 284.699 Y=6.215 Z=-0.488
136 X= 289.685 Y=5.727 Z=-0.503
137 X= 294.656 Y=5.216 Z=-0.518
138 X= 299.631 Y=4.679 Z=-0.533
139 X= 304.603 Y=4.118 Z=-0.548
140 X= 309.572 Y=3.531 Z=-0.563
141 X= 314.538 Y=2.920 Z=-0.578
142 X= 319.501 Y=2.283 Z=-0.593
143 X= 324.460 Y=1.622 Z=-0.608
144 X= 329.417 Y=0.937 Z=-0.623
145 X= 334.369 Y=0.226 Z=-0.638
146 X= 339.324 Y=-0.510 Z=-0.653
147 X= 344.264 Y=-1.269 Z=-0.668

- 1 -

148 X= 349.206 Y=-2.054 Z=-0.683
149 X= 354.143 Y=-2.863 Z=-0.698
150 X= 359.077 Y=-3.698 Z=-0.713
151 X= 364.006 Y=-4.556 Z=-0.728
152 X= 368.931 Y=-5.440 Z=-0.743
153 X= 373.851 Y=-6.349 Z=-0.758
154 X= 378.783 Y=-7.168 Z=-0.771
155 X= 0.690 Y=-3.584 Z=-0.182
156 X= 5.029 Y=-2.762 Z=-0.189
157 X= 9.867 Y=-1.851 Z=-0.154
158 X= 14.910 Y=-0.964 Z=-0.139
159 X= 19.858 Y=-0.102 Z=-0.124
160 X= 24.809 Y=0.735 Z=-0.109
161 X= 29.765 Y=1.548 Z=-0.094
162 X= 34.724 Y=2.335 Z=-0.079
163 X= 39.693 Y=3.099 Z=-0.064
164 X= 44.655 Y=3.836 Z=-0.049
165 X= 49.626 Y=4.549 Z=-0.034
166 X= 54.600 Y=5.238 Z=-0.019
167 X= 59.578 Y=5.901 Z=-0.004
168 X= 64.559 Y=6.540 Z=-0.011
169 X= 69.543 Y=7.153 Z=-0.026
170 X= 74.530 Y=7.742 Z=-0.041
171 X= 79.520 Y=8.306 Z=-0.056
172 X= 84.513 Y=8.845 Z=-0.071
173 X= 89.514 Y=9.359 Z=-0.086
174 X= 94.506 Y=9.847 Z=-0.101
175 X= 99.506 Y=10.311 Z=-0.116
176 X= 104.509 Y=10.750 Z=-0.131
177 X= 109.513 Y=11.164 Z=-0.146
178 X= 114.520 Y=11.553 Z=-0.161
179 X= 119.529 Y=11.917 Z=-0.176
180 X= 124.539 Y=12.255 Z=-0.191
181 X= 129.551 Y=12.569 Z=-0.206
182 X= 134.564 Y=12.858 Z=-0.221
183 X= 139.585 Y=13.122 Z=-0.236
184 X= 144.595 Y=13.360 Z=-0.251
185 X= 149.612 Y=13.573 Z=-0.266
186 X= 154.631 Y=13.761 Z=-0.281
187 X= 159.650 Y=13.925 Z=-0.296
188 X= 164.670 Y=14.063 Z=-0.311
189 X= 169.690 Y=14.176 Z=-0.326
190 X= 174.711 Y=14.264 Z=-0.341
191 X= 179.732 Y=14.326 Z=-0.356
192 X= 184.754 Y=14.364 Z=-0.371
193 X= 189.781 Y=14.377 Z=-0.386
194 X= 194.797 Y=14.364 Z=-0.401
195 X= 199.819 Y=14.327 Z=-0.416
196 X= 204.840 Y=14.264 Z=-0.431
197 X= 209.861 Y=14.176 Z=-0.446
198 X= 214.882 Y=14.063 Z=-0.461
199 X= 219.902 Y=13.925 Z=-0.476
200 X= 224.921 Y=13.762 Z=-0.491
201 X= 229.939 Y=13.574 Z=-0.506
202 X= 234.956 Y=13.360 Z=-0.521
203 X= 239.978 Y=13.122 Z=-0.536
204 X= 244.987 Y=12.858 Z=-0.551
205 X= 250.001 Y=12.570 Z=-0.566
206 X= 255.013 Y=12.256 Z=-0.581
207 X= 260.023 Y=11.917 Z=-0.596
208 X= 265.031 Y=11.554 Z=-0.611
209 X= 270.038 Y=11.165 Z=-0.626
210 X= 275.043 Y=10.751 Z=-0.641
211 X= 280.045 Y=10.312 Z=-0.656
212 X= 285.046 Y=9.849 Z=-0.671
213 X= 290.049 Y=9.359 Z=-0.686
214 X= 295.039 Y=8.846 Z=-0.701
215 X= 300.032 Y=8.307 Z=-0.716
216 X= 305.022 Y=7.743 Z=-0.731
217 X= 310.009 Y=7.155 Z=-0.746
218 X= 314.993 Y=6.541 Z=-0.761
219 X= 319.974 Y=5.903 Z=-0.776
220 X= 324.952 Y=5.238 Z=-0.791
221 X= 329.926 Y=4.551 Z=-0.806
222 X= 334.897 Y=3.838 Z=-0.821
223 X= 339.870 Y=3.099 Z=-0.836
224 X= 344.827 Y=2.337 Z=-0.851
225 X= 349.787 Y=1.549 Z=-0.866

226 X= 354.743 Y=0.737 Z=-0.881
227 X= 359.694 Y=-0.100 Z=-0.896
228 X= 364.641 Y=-0.962 Z=-0.911
229 X= 369.584 Y=-1.849 Z=-0.926
230 X= 374.523 Y=-2.760 Z=-0.941
231 X= 379.473 Y=-3.594 Z=-0.954
232 X= 0.000 Y=0.000 Z=-0.800
233 X= -0.157 Y=0.817 Z=-0.800
234 X= 0.157 Y=-0.817 Z=-0.800
235 X= 38.148 Y=6.708 Z=-1.418
236 X= 39.023 Y=7.531 Z=-1.418
237 X= 39.272 Y=5.885 Z=-1.418
238 X= 89.149 Y=12.991 Z=-1.568
239 X= 89.066 Y=13.819 Z=-1.568
240 X= 89.232 Y=12.163 Z=-1.568
241 X= 139.402 Y=16.767 Z=-1.718
242 X= 139.361 Y=17.598 Z=-1.718
243 X= 139.444 Y=15.936 Z=-1.718
244 X= 189.781 Y=18.027 Z=-1.868
245 X= 189.781 Y=18.859 Z=-1.868
246 X= 189.781 Y=17.195 Z=-1.868
247 X= 240.180 Y=16.767 Z=-2.018
248 X= 240.202 Y=17.598 Z=-2.018
249 X= 240.119 Y=15.936 Z=-2.018
250 X= 290.413 Y=12.991 Z=-2.168
251 X= 290.486 Y=13.819 Z=-2.168
252 X= 290.330 Y=12.163 Z=-2.168
253 X= 340.415 Y=6.708 Z=-2.318
254 X= 340.539 Y=7.531 Z=-2.318
255 X= 340.291 Y=5.885 Z=-2.318
256 X= 379.563 Y=0.000 Z=-1.936
257 X= 379.720 Y=0.817 Z=-1.936
258 X= 379.405 Y=-0.817 Z=-1.936
259 X= 1.379 Y=-7.168 Z=0.365
260 X= 1.222 Y=-6.351 Z=0.345
261 X= 1.537 Y=-7.986 Z=0.435
262 X= 40.239 Y=-0.510 Z=-1.053
263 X= 40.114 Y=0.313 Z=-1.053
264 X= 40.363 Y=-1.333 Z=-1.053
265 X= 89.878 Y=5.727 Z=-1.203
266 X= 89.795 Y=6.555 Z=-1.203
267 X= 89.961 Y=4.900 Z=-1.203
268 X= 139.767 Y=9.476 Z=-1.353
269 X= 139.726 Y=10.307 Z=-1.353
270 X= 139.809 Y=9.845 Z=-1.353
271 X= 189.781 Y=10.727 Z=-1.503
272 X= 189.781 Y=11.559 Z=-1.503
273 X= 189.781 Y=9.895 Z=-1.503
274 X= 239.795 Y=9.476 Z=-1.653
275 X= 239.837 Y=10.307 Z=-1.653
276 X= 239.754 Y=8.645 Z=-1.653
277 X= 289.685 Y=5.727 Z=-1.803
278 X= 289.788 Y=6.555 Z=-1.803
279 X= 289.602 Y=4.900 Z=-1.803
280 X= 339.324 Y=-0.510 Z=-1.953
281 X= 340.539 Y=0.313 Z=-1.953
282 X= 339.200 Y=-1.333 Z=-1.953
283 X= 378.183 Y=-7.168 Z=-1.571
284 X= 378.340 Y=-6.351 Z=-1.571
285 X= 378.026 Y=-7.986 Z=-1.571

LOCAL

ADD= 233 ANG=10.852
ADD= 234 ANG=10.852
ADD= 236 ANG=8.594
ADD= 237 ANG=8.594
ADD= 239 ANG=5.730
ADD= 240 ANG=5.730
ADD= 242 ANG=2.865
ADD= 243 ANG=2.865
ADD= 245 ANG=0.000
ADD= 246 ANG=0.000
ADD= 248 ANG=2.865
ADD= 249 ANG=2.865
ADD= 251 ANG=-5.730
ADD= 252 ANG=-5.730
ADD= 254 ANG=8.594
ADD= 255 ANG=8.594

- 2 -

- 3 -

- 4 -

ADD= 257 ANG=-10.852
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ADD= 260 ANG=-10.852
ADD= 261 ANG=-10.852
ADD= 263 ANG=-8.594
ADD= 264 ANG=-8.594
ADD= 266 ANG=-5.730
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ADD= 269 ANG=-2.865
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ADD= 272 ANG=0.000
ADD= 273 ANG=0.000
ADD= 275 ANG=-2.865
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ADD= 279 ANG=-5.730
ADD= 281 ANG=-8.594
ADD= 282 ANG=-8.594
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ADD= 285 ANG=-10.852

RESTRAINT
ADD= 233 DOF= U2, U3
ADD= 234 DOF= U2, U3
ADD= 236 DOF= U2, U3
ADD= 237 DOF= U2, U3
ADD= 239 DOF= U2, U3
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ADD= 246 DOF= U1, U2, U3
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ADD= 281 DOF= U3
ADD= 282 DOF= U3
ADD= 284 DOF= U3
ADD= 285 DOF= U3

MATERIAL

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Name=7
E=2.05e+008
Name=8
E=2.05e+008
Name=9
E=2.05e+008

Name= 45 Type=Nonpr Sec= 9, 3
Name= 46 Type=Nonpr Sec= 9, 10
Name= 47 Type=Nonpr Sec= 10, 3
Name= 48 Type=Nonpr Sec= 10, 11
Name= 49 Type=Nonpr Sec= 11, 12
Name= 50 Type=Nonpr Sec= 12, 6
Name= 51 Type=Nonpr Sec= 13, 8
Name= 52 Type=Nonpr Sec= 14, 15
Name= 53 Type=Nonpr Sec= 15, 6
Name= 54 Type=Nonpr Sec= 16, 17
Name= 55 Type=Nonpr Sec= 17, 18
Name= 56 Type=Nonpr Sec= 18, 10
Name= 57 Type=Nonpr Sec= 19, 4
Name= 58 Type=Nonpr Sec= 20, 6
Name= 59 Type=Nonpr Sec= 21, 22
Name= 60 Type=Nonpr Sec= 22, 9

FRAME

1 J= 1, 2 Sec=26 Local=12 Rdir=X,Z,N SEG=4
2 J= 2, 3 Sec=28
3 J= 3, 4 Sec= 3
4 J= 4, 5 Sec= 3
5 J= 5, 6 Sec= 3
6 J= 6, 7 Sec=30
7 J= 7, 8 Sec=35
8 J= 8, 9 Sec=37
9 J= 9, 10 Sec=38
10 J= 10, 11 Sec=43
11 J= 11, 12 Sec=44
12 J= 12, 13 Sec=45
13 J= 13, 14 Sec=31
14 J= 14, 15 Sec=10
15 J= 15, 16 Sec=10
16 J= 16, 17 Sec=48
17 J= 17, 18 Sec=49
18 J= 18, 19 Sec=50
19 J= 19, 20 Sec=39
20 J= 20, 21 Sec=51
21 J= 21, 22 Sec=44
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23 J= 23, 24 Sec=31
24 J= 24, 25 Sec=10
25 J= 25, 26 Sec=47
26 J= 26, 27 Sec=32
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34 J= 34, 35 Sec=10
35 J= 35, 36 Sec=47
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37 J= 37, 38 Sec=52
38 J= 38, 39 Sec=53
39 J= 39, 40 Sec=40
40 J= 40, 41 Sec=54
41 J= 41, 42 Sec=55
42 J= 42, 43 Sec=56
43 J= 43, 44 Sec=10
44 J= 44, 45 Sec=47
45 J= 45, 46 Sec=33
46 J= 46, 47 Sec=57
47 J= 47, 48 Sec=36
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52 J= 52, 53 Sec=56
53 J= 53, 54 Sec=10
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56 J= 56, 57 Sec=57
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59 J= 59, 60 Sec=41
60 J= 60, 61 Sec=59

Name=10
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FRAME SECTION

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Name= 2 Mat= 2 A=0.11140 I=0.06910462, 0.09843683 J=0.10050296 : GIRDER
Name= 3 Mat= 3 A=0.11688 I=0.07351743, 0.10186530 J=0.10597931 : GIRDER
Name= 4 Mat= 4 A=0.15628 I=0.11350759, 0.12698205 J=0.13703741 : GIRDER
Name= 5 Mat= 5 A=0.16854 I=0.16665411, 0.14160882 J=0.17771593 : GIRDER
Name= 6 Mat= 6 A=0.18712 I=0.24521948, 0.17103086 J=0.25188226 : GIRDER
Name= 7 Mat= 7 A=0.16856 I=0.16681439, 0.14164132 J=0.17782542 : GIRDER
Name= 8 Mat= 8 A=0.15120 I=0.10976654, 0.12470417 J=0.13703741 : GIRDER
Name= 9 Mat= 9 A=0.13288 I=0.08611629, 0.11100012 J=0.11495373 : GIRDER
Name= 10 Mat= 10 A=0.12236 I=0.07822105, 0.10529377 J=0.11028916 : GIRDER
Name= 11 Mat= 11 A=0.14528 I=0.10282513, 0.12012511 J=0.12900193 : GIRDER
Name= 12 Mat= 12 A=0.16306 I=0.15923384, 0.13818135 J=0.17410318 : GIRDER
Name= 13 Mat= 13 A=0.17733 I=0.17033268, 0.15558351 J=0.19923756 : GIRDER
Name= 14 Mat= 14 A=0.13432 I=0.09364138, 0.11328817 J=0.12182822 : GIRDER
Name= 15 Mat= 15 A=0.15758 I=0.15302996, 0.13475288 J=0.17082629 : GIRDER
Name= 16 Mat= 16 A=0.15760 I=0.15317803, 0.13478438 J=0.17073543 : GIRDER
Name= 17 Mat= 17 A=0.12928 I=0.08967994, 0.11099029 J=0.12182822 : GIRDER
Name= 18 Mat= 18 A=0.12192 I=0.07698037, 0.10414318 J=0.10597931 : GIRDER
Name= 19 Mat= 19 A=0.01920 I=0.00284355, 0.00005414 J=0.00000092 : CROSSBEAM
Name= 20 Mat= 20 A=0.17730 I=0.17016759, 0.15554565 J=0.19911100 : GIRDER
Name= 21 Mat= 21 A=0.16308 I=0.15938751, 0.13821285 J=0.17421149 : GIRDER
Name= 22 Mat= 22 A=0.14024 I=0.08841328, 0.11784723 J=0.12900193 : GIRDER
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Name= 28 Type=Nonpr Sec= 2, 3
Name= 29 Type=Nonpr Sec= 3, 2
Name= 30 Type=Nonpr Sec= 3, 4
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Name= 33 Type=Nonpr Sec= 3, 19
Name= 34 Type=Nonpr Sec= 4, 3
Name= 35 Type=Nonpr Sec= 4, 5
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Name= 37 Type=Nonpr Sec= 5, 6
Name= 38 Type=Nonpr Sec= 6, 7
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202	=J179,	182	=IOFF=1-250 JOFF=0-000 RGD=1-0
203	=J179,	182	=IOFF=0-000 JOFF=1-250 RGD=1-0
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216	=J186,	189	=IOFF=0-000 JOFF=1-250 RGD=1-0

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217	B = 33, 108	Sec-23	OFF=1.250	OFF=0.000	RQID=1.000
218	B = 167, 110	Sec-23	OFF=1.250	OFF=1.250	RQID=1.000
219	B = 34, 188	Sec-23	OFF=1.250	OFF=0.000	RQID=1.000
220	B = 35, 189	Sec-23	OFF=1.250	OFF=0.000	RQID=1.000
221	B = 35, 189	Sec-23	OFF=1.250	OFF=0.000	RQID=1.000
222	B = 189, 112	Sec-23	OFF=0.000	OFF=1.250	RQID=1.000
223	B = 36, 190	Sec-23	OFF=1.250	OFF=0.000	RQID=1.000
224	B = 36, 190	Sec-23	OFF=1.250	OFF=0.000	RQID=1.000
225	B = 37, 191	Sec-23	OFF=1.250	OFF=0.000	RQID=1.000
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227	B = 38, 192	Sec-23	OFF=1.250	OFF=0.000	RQID=1.000
228	B = 38, 192	Sec-23	OFF=1.250	OFF=0.000	RQID=1.000
229	B = 39, 193	Sec-23	OFF=1.250	OFF=0.000	RQID=1.000
230	B = 193, 116	Sec-23	OFF=0.000	OFF=1.250	RQID=1.000
231	A = 40, 194	Sec-23	OFF=0.000	OFF=1.250	RQID=1.000
232	B = 40, 194	Sec-23	OFF=0.000	OFF=1.250	RQID=1.000
233	A = 41, 195	Sec-23	OFF=1.250	OFF=0.000	RQID=1.000
234	B = 195, 118	Sec-23	OFF=0.000	OFF=1.250	RQID=1.000
235	B = 195, 118	Sec-23	OFF=0.000	OFF=1.250	RQID=1.000
236	B = 196, 119	Sec-23	OFF=0.000	OFF=1.250	RQID=1.000
237	A = 43, 197	Sec-23	OFF=1.250	OFF=0.000	RQID=1.000
238	B = 197, 120	Sec-23	OFF=0.000	OFF=1.250	RQID=1.000
239	B = 197, 120	Sec-23	OFF=0.000	OFF=1.250	RQID=1.000
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244	A = 47, 201	Sec-23	OFF=0.000	OFF=1.250	RQID=1.000
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246	B = 201, 124	Sec-23	OFF=0.000	OFF=1.250	RQID=1.000
247	B = 201, 124	Sec-23	OFF=0.000	OFF=1.250	RQID=1.000
248	B = 202, 125	Sec-23	OFF=0.000	OFF=1.250	RQID=1.000
249	A = 49, 203	Sec-23	OFF=1.250	OFF=0.000	RQID=1.000
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270	B = 212, 135	Sec-23	OFF=0.000	OFF=1.250	RQID=1.000
271	B = 213, 136	Sec-23	OFF=1.250	OFF=0.000	RQID=1.000
272	B = 213, 136	Sec-23			

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296	$\mu = 72, 226, 149$	Sec-23	IOFF=0,000	JOFF=1,250	RQID=1,0
297	$\mu = 73, 227$	Sec-23	IOFF=1,250	JOFF=0,000	RQID=1,0
298	$\mu = 73, 227, 150$	Sec-23	IOFF=0,000	JOFF=1,250	RQID=1,0
299	$\mu = 74, 228$	Sec-23	IOFF=1,250	JOFF=0,000	RQID=1,0
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304	$\mu = 76, 230, 153$	Sec-23	IOFF=0,000	JOFF=1,250	RQID=1,0
305	$\mu = 77, 231$	Sec-23	IOFF=1,250	JOFF=0,000	RQID=1,0
306	$\mu = 77, 231, 154$	Sec-23	IOFF=0,000	JOFF=1,250	RQID=1,0
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366	$\mu = 214, 215</$				

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381	J=229, 230	Sec=24
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412	J=261, 259	Sec=25
413	J= 86, 262	Sec=25
414	J=263, 262	Sec=25
415	J=264, 262	Sec=25
416	J= 96, 265	Sec=25
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421	J=270, 268	Sec=25
422	J=116, 271	Sec=25
423	J=272, 271	Sec=25
424	J=273, 271	Sec=25
425	J=126, 274	Sec=25
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427	J=276, 274	Sec=25
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432	J=281, 280	Sec=25
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434	J=154, 283	Sec=25
435	J=284, 283	Sec=25
436	J=285, 283	Sec=25

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LOAD
Name=STEEL : STEEL SELF-WEIGHT LOAD
Type=Distributed Span
Add=1  RD=0.000, 1.000  Uzp=-12.336, -12.795
Add=2  RD=0.000, 1.000  Uzp=-12.795, -13.424
Add=3  RD=0.000, 1.000  Uzp=-13.424, -13.424
Add=4  RD=0.000, 1.000  Uzp=-13.424, -13.424
Add=5  RD=0.000, 1.000  Uzp=-13.424, -13.424
Add=6  RD=0.000, 1.000  Uzp=-13.424, -17.945
Add=7  RD=0.000, 1.000  Uzp=-17.945, -19.358
Add=8  RD=0.000, 1.000  Uzp=-19.358, -21.492
Add=9  RD=0.000, 1.000  Uzp=-21.492, -19.360
Add=10 RD=0.000, 1.000  Uzp=-19.360, -17.366

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Type-Contributed Scan						
Add: 1	RD=0.000, 1,000	Uzp=42-93.01	-70.662	-70.662	RI=1.611, -1.611	
Add: 2	RD=0.444, 1,000	Uzp=42-93.01	-42.931	-42.931	RI=0.846, -0.846	
Add: 3	RD=0.000, 1,000	Uzp=42-93.01	-42.931	-42.931	RI=0.846, -0.846	
Add: 4	RD=0.000, 1,000	Uzp=42-93.01	-42.931	-42.931	RI=0.846, -0.846	
Add: 5	RD=0.000, 1,000	Uzp=42-93.01	-42.931	-42.931	RI=0.846, -0.846	
Add: 6	RD=0.000, 1,000	Uzp=42-93.01	-42.931	-42.931	RI=0.846, -0.846	
Add: 7	RD=0.000, 1,000	Uzp=42-93.01	-42.931	-42.931	RI=0.846, -0.846	
Add: 8	RD=0.000, 1,000	Uzp=42-93.01	-42.931	-42.931	RI=0.846, -0.846	
Add: 9	RD=0.000, 1,000	Uzp=42-93.01	-42.931	-42.931	RI=0.846, -0.846	
Add: 10	RD=0.000, 1,000	Uzp=42-93.01	-42.931	-42.931	RI=0.846, -0.846	
Add: 11	RD=0.000, 1,000	Uzp=42-93.01	-42.931	-42.931	RI=0.846, -0.846	
Add: 12	RD=0.000, 1,000	Uzp=42-93.01	-42.931	-42.931	RI=0.846, -0.846	
Add: 13	RD=0.000, 1,000	Uzp=42-93.01	-42.931	-42.931	RI=0.846, -0.846	
Add: 14	RD=0.000, 1,000	Uzp=42-93.01	-42.931	-42.931	RI=0.846, -0.846	

[illegible][illegible][illegible]

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Type=Distributed Span
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- 20 -

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Add=244 RD=0.055, 0.658 Uzp=-0.912, -0.912

2. 합성 부

< AFTER COMPOSITE SELF-WEIGHT LOAD >

SYSTEM
LENGTH=M FORCE=KN

JOINT
1 X= 0.000 Y=0.000 Z=0.000
2 X= 4.358 Y=0.825 Z=-0.013
3 X= 9.314 Y=1.740 Z=-0.028
4 X= 14.275 Y=2.630 Z=-0.043
5 X= 19.240 Y=3.495 Z=-0.058
6 X= 24.209 Y=4.336 Z=-0.073
7 X= 29.183 Y=5.151 Z=-0.088
8 X= 34.161 Y=5.942 Z=-0.103
9 X= 39.148 Y=6.708 Z=-0.118
10 X= 44.127 Y=7.448 Z=-0.133
11 X= 49.116 Y=8.164 Z=-0.148
12 X= 54.109 Y=8.855 Z=-0.163
13 X= 59.105 Y=9.520 Z=-0.178
14 X= 64.104 Y=10.161 Z=-0.193
15 X= 69.106 Y=10.777 Z=-0.208
16 X= 74.111 Y=11.368 Z=-0.223
17 X= 79.118 Y=11.934 Z=-0.238
18 X= 84.130 Y=12.475 Z=-0.253
19 X= 89.149 Y=12.991 Z=-0.268
20 X= 94.160 Y=13.481 Z=-0.283
21 X= 99.178 Y=13.947 Z=-0.298
22 X= 104.199 Y=14.387 Z=-0.313
23 X= 109.222 Y=14.802 Z=-0.328
24 X= 114.247 Y=15.193 Z=-0.343
25 X= 119.273 Y=15.558 Z=-0.358
26 X= 124.302 Y=15.898 Z=-0.373
27 X= 129.332 Y=16.213 Z=-0.388
28 X= 134.364 Y=16.502 Z=-0.403
29 X= 139.402 Y=16.767 Z=-0.418
30 X= 144.431 Y=17.006 Z=-0.433
31 X= 149.466 Y=17.220 Z=-0.448
32 X= 154.503 Y=17.409 Z=-0.463
33 X= 159.540 Y=17.573 Z=-0.478
34 X= 164.578 Y=17.712 Z=-0.493
35 X= 169.617 Y=17.825 Z=-0.508
36 X= 174.656 Y=17.913 Z=-0.523
37 X= 179.696 Y=17.976 Z=-0.538
38 X= 184.736 Y=18.014 Z=-0.553
39 X= 189.781 Y=18.027 Z=-0.568
40 X= 194.816 Y=18.014 Z=-0.583
41 X= 199.856 Y=17.976 Z=-0.598
42 X= 204.895 Y=17.913 Z=-0.613
43 X= 209.934 Y=17.825 Z=-0.628
44 X= 214.973 Y=17.712 Z=-0.643
45 X= 220.011 Y=17.573 Z=-0.658
46 X= 225.049 Y=17.410 Z=-0.673
47 X= 230.085 Y=17.221 Z=-0.688
48 X= 235.120 Y=17.007 Z=-0.703
49 X= 240.160 Y=16.767 Z=-0.718
50 X= 245.188 Y=16.503 Z=-0.733
51 X= 250.219 Y=16.213 Z=-0.748
52 X= 255.250 Y=15.898 Z=-0.763
53 X= 260.278 Y=15.559 Z=-0.778
54 X= 265.305 Y=15.193 Z=-0.793
55 X= 270.330 Y=14.803 Z=-0.808
56 X= 275.353 Y=14.388 Z=-0.823
57 X= 280.373 Y=13.948 Z=-0.838
58 X= 285.392 Y=13.482 Z=-0.853
59 X= 290.413 Y=12.991 Z=-0.868
60 X= 295.421 Y=12.476 Z=-0.883
61 X= 300.432 Y=11.935 Z=-0.898
62 X= 305.440 Y=11.369 Z=-0.913
63 X= 310.446 Y=10.779 Z=-0.928
64 X= 315.448 Y=10.163 Z=-0.943
65 X= 320.447 Y=9.522 Z=-0.958
66 X= 325.443 Y=8.856 Z=-0.973
67 X= 330.435 Y=8.165 Z=-0.988
68 X= 335.424 Y=7.450 Z=-1.003
69 X= 340.415 Y=6.708 Z=-1.018

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COMBO
Name=STEEL Type=ADD :
LOAD=STEEL sf=1.000

Name=CONC Type=ADD :
LOAD=CONC sf=1.000
LOAD=CR-HUNCH sf=1.000

OUTPUT
ELEM=JOINT TYPE=DISP,REAC LOAD=> COMB=>
ELEM=FRAME TYPE=FORCE LOAD=> COMB=>

70 X= 345.391 Y=5.943 Z=-1.033
71 X= 350.369 Y=5.153 Z=-1.048
72 X= 355.342 Y=4.337 Z=-1.063
73 X= 360.312 Y=3.497 Z=-1.078
74 X= 365.277 Y=2.632 Z=-1.093
75 X= 370.238 Y=1.742 Z=-1.108
76 X= 375.194 Y=0.828 Z=-1.123
77 X= 379.563 Y=0.000 Z=-1.136
78 X= 1.379 Y=-7.168 Z=0.365
79 X= 5.701 Y=-6.350 Z=0.352
80 X= 10.821 Y=-5.442 Z=0.337
81 X= 15.546 Y=-4.558 Z=0.322
82 X= 20.475 Y=-3.700 Z=0.307
83 X= 25.408 Y=-2.865 Z=0.292
84 X= 30.346 Y=-2.056 Z=0.277
85 X= 35.288 Y=-1.271 Z=0.262
86 X= 40.239 Y=-0.510 Z=0.247
87 X= 45.182 Y=0.224 Z=0.232
88 X= 50.135 Y=0.935 Z=0.217
89 X= 55.091 Y=1.621 Z=0.202
90 X= 60.051 Y=2.282 Z=0.187
91 X= 65.014 Y=2.918 Z=0.172
92 X= 69.980 Y=3.530 Z=0.157
93 X= 74.949 Y=4.116 Z=0.142
94 X= 79.921 Y=4.678 Z=0.127
95 X= 84.895 Y=5.215 Z=0.112
96 X= 89.878 Y=5.727 Z=0.097
97 X= 94.862 Y=6.214 Z=0.082
98 X= 99.834 Y=6.676 Z=0.067
99 X= 104.819 Y=7.113 Z=0.052
100 X= 109.805 Y=7.526 Z=0.037
101 X= 114.794 Y=7.913 Z=0.022
102 X= 119.784 Y=8.276 Z=0.007
103 X= 124.776 Y=8.613 Z=-0.008
104 X= 129.770 Y=8.926 Z=-0.023
105 X= 134.765 Y=9.213 Z=-0.038
106 X= 139.767 Y=9.476 Z=-0.053
107 X= 144.759 Y=9.713 Z=-0.068
108 X= 149.758 Y=9.926 Z=-0.083
109 X= 154.758 Y=10.114 Z=-0.098
110 X= 159.759 Y=10.276 Z=-0.113
111 X= 164.761 Y=10.414 Z=-0.128
112 X= 169.763 Y=10.526 Z=-0.143
113 X= 174.768 Y=10.614 Z=-0.158
114 X= 179.769 Y=10.677 Z=-0.173
115 X= 184.772 Y=10.714 Z=-0.188
116 X= 189.781 Y=10.727 Z=-0.203
117 X= 194.779 Y=10.714 Z=-0.218
118 X= 199.783 Y=10.677 Z=-0.233
119 X= 204.786 Y=10.614 Z=-0.248
120 X= 209.788 Y=10.527 Z=-0.263
121 X= 214.791 Y=10.414 Z=-0.278
122 X= 219.792 Y=10.277 Z=-0.293
123 X= 224.793 Y=10.114 Z=-0.308
124 X= 229.793 Y=9.927 Z=-0.323
125 X= 234.792 Y=9.714 Z=-0.338
126 X= 239.795 Y=9.476 Z=-0.353
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129 X= 254.775 Y=8.614 Z=-0.398
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131 X= 264.758 Y=7.914 Z=-0.428
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134 X= 279.717 Y=6.677 Z=-0.473
135 X= 284.699 Y=6.215 Z=-0.488
136 X= 289.685 Y=5.727 Z=-0.503
137 X= 294.656 Y=5.216 Z=-0.518
138 X= 299.631 Y=4.679 Z=-0.533
139 X= 304.603 Y=4.118 Z=-0.548
140 X= 309.572 Y=3.531 Z=-0.563
141 X= 314.538 Y=2.920 Z=-0.578
142 X= 319.501 Y=2.283 Z=-0.593
143 X= 324.460 Y=1.622 Z=-0.608
144 X= 329.417 Y=0.937 Z=-0.623
145 X= 334.369 Y=0.226 Z=-0.638

146 X= 339.324 Y=-0.510 Z=-0.653
147 X= 344.264 Y=-1.269 Z=-0.688
148 X= 349.206 Y=-2.054 Z=-0.683
149 X= 354.143 Y=-2.863 Z=-0.698
150 X= 359.077 Y=-3.698 Z=-0.713
151 X= 364.006 Y=-4.556 Z=-0.728
152 X= 368.931 Y=-5.440 Z=-0.743
153 X= 373.851 Y=-6.348 Z=-0.758
154 X= 378.183 Y=-7.168 Z=-0.771
155 X= 0.680 Y=-3.584 Z=0.182
156 X= 5.029 Y=-2.782 Z=0.169
157 X= 9.967 Y=-1.851 Z=0.154
158 X= 14.910 Y=-0.964 Z=0.139
159 X= 19.858 Y=-0.102 Z=0.124
160 X= 24.809 Y=0.755 Z=0.109
161 X= 29.765 Y=1.548 Z=0.094
162 X= 34.724 Y=2.335 Z=0.079
163 X= 39.693 Y=3.099 Z=0.064
164 X= 44.655 Y=3.836 Z=0.049
165 X= 49.626 Y=4.549 Z=0.034
166 X= 54.600 Y=5.238 Z=0.019
167 X= 59.578 Y=5.901 Z=0.004
168 X= 64.559 Y=6.540 Z=-0.011
169 X= 69.543 Y=7.153 Z=-0.026
170 X= 74.530 Y=7.742 Z=-0.041
171 X= 79.520 Y=8.306 Z=-0.056
172 X= 84.513 Y=8.845 Z=-0.071
173 X= 89.514 Y=9.359 Z=-0.086
174 X= 94.506 Y=9.847 Z=-0.101
175 X= 99.506 Y=10.311 Z=-0.116
176 X= 104.509 Y=10.750 Z=-0.131
177 X= 109.513 Y=11.164 Z=-0.146
178 X= 114.520 Y=11.553 Z=-0.161
179 X= 119.529 Y=11.917 Z=-0.176
180 X= 124.539 Y=12.255 Z=-0.191
181 X= 129.551 Y=12.569 Z=-0.206
182 X= 134.564 Y=12.858 Z=-0.221
183 X= 139.585 Y=13.122 Z=-0.236
184 X= 144.595 Y=13.360 Z=-0.251
185 X= 149.612 Y=13.573 Z=-0.266
186 X= 154.631 Y=13.761 Z=-0.281
187 X= 159.650 Y=13.925 Z=-0.296
188 X= 164.670 Y=14.063 Z=-0.311
189 X= 169.690 Y=14.176 Z=-0.326
190 X= 174.711 Y=14.264 Z=-0.341
191 X= 179.732 Y=14.326 Z=-0.356
192 X= 184.754 Y=14.364 Z=-0.371
193 X= 189.781 Y=14.377 Z=-0.386
194 X= 194.797 Y=14.364 Z=-0.401
195 X= 199.819 Y=14.327 Z=-0.416
196 X= 204.840 Y=14.264 Z=-0.431
197 X= 209.861 Y=14.176 Z=-0.446
198 X= 214.882 Y=14.063 Z=-0.461
199 X= 219.902 Y=13.925 Z=-0.476
200 X= 224.921 Y=13.762 Z=-0.491
201 X= 229.939 Y=13.574 Z=-0.506
202 X= 234.956 Y=13.360 Z=-0.521
203 X= 239.978 Y=13.122 Z=-0.536
204 X= 244.987 Y=12.858 Z=-0.551
205 X= 250.001 Y=12.570 Z=-0.566
206 X= 255.013 Y=12.256 Z=-0.581
207 X= 260.023 Y=11.917 Z=-0.596
208 X= 265.031 Y=11.554 Z=-0.611
209 X= 270.038 Y=11.165 Z=-0.626
210 X= 275.043 Y=10.751 Z=-0.641
211 X= 280.045 Y=10.312 Z=-0.656
212 X= 285.046 Y=9.849 Z=-0.671
213 X= 290.049 Y=9.359 Z=-0.686
214 X= 295.039 Y=8.846 Z=-0.701
215 X= 300.032 Y=8.307 Z=-0.716
216 X= 305.022 Y=7.743 Z=-0.731
217 X= 310.009 Y=7.155 Z=-0.746
218 X= 314.993 Y=6.541 Z=-0.761
219 X= 319.974 Y=5.903 Z=-0.776
220 X= 324.952 Y=5.239 Z=-0.791
221 X= 329.926 Y=4.551 Z=-0.806

- 25 -

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224 X= 344.827 Y=-2.337 Z=-0.851
225 X= 349.787 Y=-1.549 Z=-0.866
226 X= 354.743 Y=-0.737 Z=-0.881
227 X= 359.694 Y=-0.100 Z=-0.896
228 X= 364.641 Y=-0.962 Z=-0.911
229 X= 369.584 Y=-1.849 Z=-0.926
230 X= 374.523 Y=-2.760 Z=-0.941
231 X= 378.873 Y=-3.584 Z=-0.954
232 X= 0.000 Y=0.000 Z=-0.800
233 X= -0.157 Y=0.817 Z=-0.800
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235 X= 39.148 Y=6.708 Z=-1.418
236 X= 39.023 Y=5.531 Z=-1.418
237 X= 39.272 Y=5.885 Z=-1.418
238 X= 89.149 Y=12.991 Z=-1.568
239 X= 89.066 Y=13.819 Z=-1.568
240 X= 89.232 Y=12.163 Z=-1.568
241 X= 139.402 Y=16.767 Z=-1.718
242 X= 139.361 Y=17.598 Z=-1.718
243 X= 139.444 Y=15.936 Z=-1.718
244 X= 189.781 Y=18.027 Z=-1.868
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248 X= 240.202 Y=17.598 Z=-2.018
249 X= 240.119 Y=15.936 Z=-2.018
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254 X= 340.539 Y=7.531 Z=-2.318
255 X= 340.291 Y=5.885 Z=-2.318
256 X= 379.563 Y=0.000 Z=-1.936
257 X= 379.720 Y=0.817 Z=-1.936
258 X= 379.405 Y=-0.817 Z=-1.936
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260 X= 1.222 Y=-6.351 Z=-0.435
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Name= 6 Mat= 6 A=0.40895 I=0.47706993, 0.93011214 J=0.28753575 : GRDER
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Name= 10 Mat= 10 A=0.34419 I=0.17179059, 0.85871500 J=0.14106940 : GRDER
Name= 11 Mat= 11 A=0.36711 I=0.22620006, 0.87577787 J=0.16010485 : GRDER
Name= 12 Mat= 12 A=0.38489 I=0.32889515, 0.89538215 J=0.20228373 : GRDER
Name= 13 Mat= 13 A=0.39916 I=0.33793198, 0.91392682 J=0.23120458 : GRDER
Name= 14 Mat= 14 A=0.35615 I=0.19806263, 0.86789668 J=0.14945556 : GRDER
Name= 15 Mat= 15 A=0.37941 I=0.31052723, 0.89149202 J=0.19770649 : GRDER
Name= 16 Mat= 16 A=0.37943 I=0.31089762, 0.89152523 J=0.19782511 : GRDER
Name= 17 Mat= 17 A=0.35111 I=0.19792777, 0.86511596 J=0.14945556 : GRDER
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- 27 -

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COMBO

Name=AFTER Type=ADD :
LOAD=AFTER sf=1.000

OUTPUT

ELEM=JOINT TYPE=DISP,REAC LOAD=> COMB=>
ELEM=FRAME TYPE=FORCE LOAD=> COMB=>

3 철하중 재하시 < MOVING LOAD >

SYSTEM
LENGTH=M FORCE=KN

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4 X= 14.275 Y=2.630 Z=-0.043
5 X= 19.240 Y=3.495 Z=-0.058
6 X= 24.209 Y=4.336 Z=-0.073
7 X= 29.183 Y=5.151 Z=-0.088
8 X= 34.161 Y=5.942 Z=-0.103
9 X= 39.148 Y=6.708 Z=-0.118
10 X= 44.127 Y=7.448 Z=-0.133
11 X= 49.116 Y=8.164 Z=-0.148
12 X= 54.109 Y=8.855 Z=-0.163
13 X= 59.105 Y=9.520 Z=-0.178
14 X= 64.104 Y=10.161 Z=-0.193
15 X= 69.106 Y=10.777 Z=-0.208
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20 X= 94.160 Y=13.481 Z=-0.283
21 X= 99.178 Y=13.947 Z=-0.298
22 X= 104.199 Y=14.387 Z=-0.313
23 X= 109.222 Y=14.802 Z=-0.328
24 X= 114.247 Y=15.193 Z=-0.343
25 X= 119.273 Y=15.558 Z=-0.358
26 X= 124.302 Y=15.898 Z=-0.373
27 X= 129.332 Y=16.213 Z=-0.388
28 X= 134.364 Y=16.502 Z=-0.403
29 X= 139.402 Y=16.767 Z=-0.418
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33 X= 159.540 Y=17.573 Z=-0.478
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37 X= 179.696 Y=17.976 Z=-0.538
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212 X= 285.046 Y=9.849 Z=-0.671
213 X= 290.049 Y=9.359 Z=-0.686
214 X= 295.039 Y=8.846 Z=-0.701
215 X= 300.032 Y=8.307 Z=-0.716
216 X= 305.022 Y=7.743 Z=-0.731
217 X= 310.009 Y=7.155 Z=-0.746
218 X= 314.993 Y=6.541 Z=-0.761
219 X= 319.974 Y=5.903 Z=-0.776
220 X= 324.952 Y=5.239 Z=-0.791
221 X= 329.926 Y=4.551 Z=-0.806

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ADD= 251 ANG=-5.730
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ADD= 240 DOF= U2, U3,
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ADD= 243 DOF= U2, U3,
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ADD= 248 DOF= U2, U3,
ADD= 249 DOF= U2, U3,
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ADD= 252 DOF= U2, U3,
ADD= 254 DOF= U2, U3,
ADD= 255 DOF= U2, U3,
ADD= 257 DOF= U2, U3,
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ADD= 269 DOF= U3,
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ADD= 273 DOF= U1, U3,
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E=2.05e+008
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Name=4
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Name=5
E=2.05e+008

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223 X= 339.870 Y=-3.099 Z=-0.836
224 X= 344.827 Y=-2.337 Z=-0.851
225 X= 349.787 Y=-1.549 Z=-0.866
226 X= 354.743 Y=-0.737 Z=-0.881
227 X= 359.694 Y=-0.100 Z=-0.896
228 X= 364.641 Y=-0.962 Z=-0.911
229 X= 369.584 Y=-1.849 Z=-0.926
230 X= 374.523 Y=-2.760 Z=-0.941
231 X= 378.873 Y=-3.584 Z=-0.954
232 X= 0.000 Y=0.000 Z=-0.800
233 X= -0.157 Y=0.817 Z=-0.800
234 X= 0.157 Y=-0.817 Z=-0.800
235 X= 39.148 Y=6.708 Z=-1.418
236 X= 39.023 Y=5.531 Z=-1.418
237 X= 39.272 Y=5.885 Z=-1.418
238 X= 89.149 Y=12.991 Z=-1.568
239 X= 89.066 Y=13.819 Z=-1.568
240 X= 89.232 Y=12.163 Z=-1.568
241 X= 139.402 Y=16.767 Z=-1.718
242 X= 139.361 Y=17.598 Z=-1.718
243 X= 139.444 Y=15.936 Z=-1.718
244 X= 189.781 Y=18.027 Z=-1.868
245 X= 189.781 Y=18.859 Z=-1.868
246 X= 189.781 Y=17.195 Z=-1.868
247 X= 240.160 Y=16.767 Z=-2.018
248 X= 240.202 Y=17.598 Z=-2.018
249 X= 240.119 Y=15.936 Z=-2.018
250 X= 290.413 Y=12.991 Z=-2.168
251 X= 290.496 Y=13.819 Z=-2.168
252 X= 290.330 Y=12.163 Z=-2.168
253 X= 340.415 Y=6.708 Z=-2.318
254 X= 340.539 Y=7.531 Z=-2.318
255 X= 340.291 Y=5.885 Z=-2.318
256 X= 379.563 Y=0.000 Z=-1.936
257 X= 379.720 Y=0.817 Z=-1.936
258 X= 379.405 Y=-0.817 Z=-1.936
259 X= 1.379 Y=-7.168 Z=-0.435
260 X= 1.222 Y=-6.351 Z=-0.435
261 X= 1.537 Y=-7.986 Z=-0.435
262 X= 40.239 Y=-0.510 Z=-1.053
263 X= 40.114 Y=0.313 Z=-1.053
264 X= 40.363 Y=-1.333 Z=-1.053
265 X= 89.878 Y=5.727 Z=-1.203
266 X= 89.795 Y=6.555 Z=-1.203
267 X= 89.961 Y=4.900 Z=-1.203
268 X= 139.767 Y=9.476 Z=-1.353
269 X= 139.726 Y=10.307 Z=-1.353
270 X= 139.809 Y=8.845 Z=-1.353
271 X= 189.781 Y=10.727 Z=-1.503
272 X= 189.781 Y=11.559 Z=-1.503
273 X= 189.781 Y=9.895 Z=-1.503
274 X= 239.795 Y=9.476 Z=-1.653
275 X= 239.837 Y=10.307 Z=-1.653
276 X= 239.754 Y=8.645 Z=-1.653
277 X= 289.685 Y=5.727 Z=-1.803
278 X= 289.768 Y=6.555 Z=-1.803
279 X= 289.602 Y=4.900 Z=-1.803
280 X= 339.324 Y=-0.510 Z=-1.953
281 X= 339.448 Y=0.313 Z=-1.953
282 X= 339.200 Y=-1.333 Z=-1.953
283 X= 378.183 Y=-7.168 Z=-1.571
284 X= 378.340 Y=-6.351 Z=-1.571
285 X= 378.026 Y=-7.986 Z=-1.571

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Name= 3 Mat= 3 A=0.33871 I=0.15747842, 0.85470925 J=0.13427272 : GIRDER
Name= 4 Mat= 4 A=0.37807 I=0.22781678, 0.89360627 J=0.16141069 : GIRDER
Name= 5 Mat= 5 A=0.39037 I=0.32990911, 0.89925931 J=0.20296072 : GIRDER
Name= 6 Mat= 6 A=0.40895 I=0.47706993, 0.93011214 J=0.28753575 : GIRDER
Name= 7 Mat= 7 A=0.39039 I=0.33010774, 0.89926243 J=0.20307705 : GIRDER
Name= 8 Mat= 8 A=0.37303 I=0.22761067, 0.88088875 J=0.16141069 : GIRDER
Name= 9 Mat= 9 A=0.35471 I=0.18330546, 0.86548140 J=0.14170325 : GIRDER
Name= 10 Mat= 10 A=0.34419 I=0.17179059, 0.85871500 J=0.14106940 : GIRDER
Name= 11 Mat= 11 A=0.36711 I=0.22680006, 0.87577787 J=0.16010485 : GIRDER
Name= 12 Mat= 12 A=0.38489 I=0.32889515, 0.89538215 J=0.20228373 : GIRDER
Name= 13 Mat= 13 A=0.39916 I=0.33793198, 0.91392682 J=0.23120458 : GIRDER
Name= 14 Mat= 14 A=0.35615 I=0.19806263, 0.86789668 J=0.14945556 : GIRDER
Name= 15 Mat= 15 A=0.37941 I=0.31052723, 0.89149202 J=0.19770649 : GIRDER
Name= 16 Mat= 16 A=0.37943 I=0.31089762, 0.89152523 J=0.19782511 : GIRDER
Name= 17 Mat= 17 A=0.35111 I=0.19792777, 0.86511596 J=0.14945556 : GIRDER
Name= 18 Mat= 18 A=0.34375 I=0.16905798, 0.85751866 J=0.13427272 : GIRDER
Name= 19 Mat= 19 A=0.34967 I=0.17205845, 0.86270362 J=0.14170325 : GIRDER
Name= 20 Mat= 20 A=0.39613 I=0.33762869, 0.91388711 J=0.23108819 : GIRDER
Name= 21 Mat= 21 A=0.38491 I=0.32919262, 0.89541531 J=0.20239991 : GIRDER
Name= 22 Mat= 22 A=0.36207 I=0.22657568, 0.87303352 J=0.16010485 : GIRDER
Name= 23 Mat= 23 A=0.01920 I=0.00284355, 0.00005414 J=0.00000052 : CROSSBEAM
Name= 24 Mat= 24 A=0.01920 I=0.00284355, 0.00005414 J=0.00000052 : STRINGER
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Name= 27 Type=Nonpr Sec= 2, 1
Name= 28 Type=Nonpr Sec= 2, 3
Name= 29 Type=Nonpr Sec= 3, 2
Name= 30 Type=Nonpr Sec= 3, 4
Name= 31 Type=Nonpr Sec= 3, 10
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2 J= 2, 3 Sec=28
3 J= 3, 4 Sec= 3
4 J= 4, 5 Sec= 3
5 J= 5, 6 Sec= 3
6 J= 6, 7 Sec=30
7 J= 7, 8 Sec=35
8 J= 8, 9 Sec=37
9 J= 9, 10 Sec=38
10 J= 10, 11 Sec=43
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15 J= 15, 16 Sec=10
16 J= 16, 17 Sec=46
17 J= 17, 18 Sec=48
18 J= 18, 19 Sec=50
19 J= 19, 20 Sec=39
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39 J= 39, 40 Sec=40
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45 J= 45, 46 Sec=33
46 J= 46, 47 Sec=57
47 J= 47, 48 Sec=36
48 J= 48, 49 Sec=58

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148 J=149, 150 Sec= 3
149 J=150, 151 Sec= 3
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151 J=152, 153 Sec=29
152 J=153, 154 Sec=27
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155 J= 2, 156 Sec=23 IOFF=1.250 JOFF=0.000 RIGD=1.0
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124 J=125, 126 Sec=58

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229 J= 39, 193 Sec=23 IOFF=1.250 JOFF=0.000 RIGD=1.0
230 J=193, 116 Sec=23 IOFF=0.000 JOFF=1.250 RIGD=1.0
231 J= 40, 194 Sec=23 IOFF=1.250 JOFF=0.000 RIGD=1.0
232 J=194, 117 Sec=23 IOFF=0.000 JOFF=1.250 RIGD=1.0
233 J= 41, 195 Sec=23 IOFF=1.250 JOFF=0.000 RIGD=1.0
234 J=195, 118 Sec=23 IOFF=0.000 JOFF=1.250 RIGD=1.0
235 J= 42, 196 Sec=23 IOFF=1.250 JOFF=0.000 RIGD=1.0
236 J=196, 119 Sec=23 IOFF=0.000 JOFF=1.250 RIGD=1.0
237 J= 43, 197 Sec=23 IOFF=1.250 JOFF=0.000 RIGD=1.0
238 J=197, 120 Sec=23 IOFF=0.000 JOFF=1.250 RIGD=1.0
239 J= 44, 198 Sec=23 IOFF=1.250 JOFF=0.000 RIGD=1.0
240 J=198, 121 Sec=23 IOFF=0.000 JOFF=1.250 RIGD=1.0
241 J= 45, 199 Sec=23 IOFF=1.250 JOFF=0.000 RIGD=1.0
242 J=199, 122 Sec=23 IOFF=0.000 JOFF=1.250 RIGD=1.0
243 J= 46, 200 Sec=23 IOFF=1.250 JOFF=0.000 RIGD=1.0
244 J=200, 123 Sec=23 IOFF=0.000 JOFF=1.250 RIGD=1.0
245 J= 47, 201 Sec=23 IOFF=1.250 JOFF=0.000 RIGD=1.0
246 J=201, 124 Sec=23 IOFF=0.000 JOFF=1.250 RIGD=1.0
247 J= 48, 202 Sec=23 IOFF=1.250 JOFF=0.000 RIGD=1.0
248 J=202, 125 Sec=23 IOFF=0.000 JOFF=1.250 RIGD=1.0
249 J= 49, 203 Sec=23 IOFF=1.250 JOFF=0.000 RIGD=1.0
250 J=203, 126 Sec=23 IOFF=0.000 JOFF=1.250 RIGD=1.0
251 J= 50, 204 Sec=23 IOFF=1.250 JOFF=0.000 RIGD=1.0
252 J=204, 127 Sec=23 IOFF=0.000 JOFF=1.250 RIGD=1.0
253 J= 51, 205 Sec=23 IOFF=1.250 JOFF=0.000 RIGD=1.0
254 J=205, 128 Sec=23 IOFF=0.000 JOFF=1.250 RIGD=1.0
255 J= 52, 206 Sec=23 IOFF=1.250 JOFF=0.000 RIGD=1.0
256 J=206, 129 Sec=23 IOFF=0.000 JOFF=1.250 RIGD=1.0
257 J= 53, 207 Sec=23 IOFF=1.250 JOFF=0.000 RIGD=1.0
258 J=207, 130 Sec=23 IOFF=0.000 JOFF=1.250 RIGD=1.0
259 J= 54, 208 Sec=23 IOFF=1.250 JOFF=0.000 RIGD=1.0
260 J=208, 131 Sec=23 IOFF=0.000 JOFF=1.250 RIGD=1.0
261 J= 55, 209 Sec=23 IOFF=1.250 JOFF=0.000 RIGD=1.0
262 J=209, 132 Sec=23 IOFF=0.000 JOFF=1.250 RIGD=1.0
263 J= 56, 210 Sec=23 IOFF=1.250 JOFF=0.000 RIGD=1.0
264 J=210, 133 Sec=23 IOFF=0.000 JOFF=1.250 RIGD=1.0
265 J= 57, 211 Sec=23 IOFF=1.250 JOFF=0.000 RIGD=1.0
266 J=211, 134 Sec=23 IOFF=0.000 JOFF=1.250 RIGD=1.0
267 J= 58, 212 Sec=23 IOFF=1.250 JOFF=0.000 RIGD=1.0
268 J=212, 135 Sec=23 IOFF=0.000 JOFF=1.250 RIGD=1.0
269 J= 59, 213 Sec=23 IOFF=1.250 JOFF=0.000 RIGD=1.0
270 J=213, 136 Sec=23 IOFF=0.000 JOFF=1.250 RIGD=1.0
271 J= 60, 214 Sec=23 IOFF=1.250 JOFF=0.000 RIGD=1.0
272 J=214, 137 Sec=23 IOFF=0.000 JOFF=1.250 RIGD=1.0
273 J= 61, 215 Sec=23 IOFF=1.250 JOFF=0.000 RIGD=1.0
274 J=215, 138 Sec=23 IOFF=0.000 JOFF=1.250 RIGD=1.0
275 J= 62, 216 Sec=23 IOFF=1.250 JOFF=0.000 RIGD=1.0
276 J=216, 139 Sec=23 IOFF=0.000 JOFF=1.250 RIGD=1.0

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277 J= 63, 217 Sec=23 IOFF=1.250 JOFF=0.000 R/GD=1.0
278 J=217, 140 Sec=23 IOFF=1.250 JOFF=1.250 R/GD=1.0
279 J= 64, 218 Sec=23 IOFF=1.250 JOFF=0.000 R/GD=1.0
280 J=218, 141 Sec=23 IOFF=0.000 JOFF=1.250 R/GD=1.0
281 J= 65, 219 Sec=23 IOFF=1.250 JOFF=0.000 R/GD=1.0
282 J=219, 142 Sec=23 IOFF=0.000 JOFF=1.250 R/GD=1.0
283 J= 66, 220 Sec=23 IOFF=1.250 JOFF=0.000 R/GD=1.0
284 J=220, 143 Sec=23 IOFF=0.000 JOFF=1.250 R/GD=1.0
285 J= 67, 221 Sec=23 IOFF=1.250 JOFF=0.000 R/GD=1.0
286 J=221, 144 Sec=23 IOFF=0.000 JOFF=1.250 R/GD=1.0
287 J= 68, 222 Sec=23 IOFF=1.250 JOFF=0.000 R/GD=1.0
288 J=222, 145 Sec=23 IOFF=0.000 JOFF=1.250 R/GD=1.0
289 J= 69, 223 Sec=23 IOFF=1.250 JOFF=0.000 R/GD=1.0
290 J=223, 146 Sec=23 IOFF=0.000 JOFF=1.250 R/GD=1.0
291 J= 70, 224 Sec=23 IOFF=1.250 JOFF=0.000 R/GD=1.0
292 J=224, 147 Sec=23 IOFF=0.000 JOFF=1.250 R/GD=1.0
293 J= 71, 225 Sec=23 IOFF=1.250 JOFF=0.000 R/GD=1.0
294 J=225, 148 Sec=23 IOFF=0.000 JOFF=1.250 R/GD=1.0
295 J= 72, 226 Sec=23 IOFF=1.250 JOFF=0.000 R/GD=1.0
296 J=226, 149 Sec=23 IOFF=0.000 JOFF=1.250 R/GD=1.0
297 J= 73, 227 Sec=23 IOFF=1.250 JOFF=0.000 R/GD=1.0
298 J=227, 150 Sec=23 IOFF=0.000 JOFF=1.250 R/GD=1.0
299 J= 74, 228 Sec=23 IOFF=1.250 JOFF=0.000 R/GD=1.0
300 J=228, 151 Sec=23 IOFF=0.000 JOFF=1.250 R/GD=1.0
301 J= 75, 229 Sec=23 IOFF=1.250 JOFF=0.000 R/GD=1.0
302 J=229, 152 Sec=23 IOFF=0.000 JOFF=1.250 R/GD=1.0
303 J= 76, 230 Sec=23 IOFF=1.250 JOFF=0.000 R/GD=1.0
304 J=230, 153 Sec=23 IOFF=0.000 JOFF=1.250 R/GD=1.0
305 J= 77, 231 Sec=23 IOFF=1.250 JOFF=0.000 R/GD=1.0
306 J=231, 154 Sec=23 IOFF=0.000 JOFF=1.250 R/GD=1.0
307 J=155, 156 Sec=24
308 J=156, 157 Sec=24
309 J=157, 158 Sec=24
310 J=158, 159 Sec=24
311 J=159, 160 Sec=24
312 J=160, 161 Sec=24
313 J=161, 162 Sec=24
314 J=162, 163 Sec=24
315 J=163, 164 Sec=24
316 J=164, 165 Sec=24
317 J=165, 166 Sec=24
318 J=166, 167 Sec=24
319 J=167, 168 Sec=24
320 J=168, 169 Sec=24
321 J=169, 170 Sec=24
322 J=170, 171 Sec=24
323 J=171, 172 Sec=24
324 J=172, 173 Sec=24
325 J=173, 174 Sec=24
326 J=174, 175 Sec=24
327 J=175, 176 Sec=24
328 J=176, 177 Sec=24
329 J=177, 178 Sec=24
330 J=178, 179 Sec=24
331 J=179, 180 Sec=24
332 J=180, 181 Sec=24
333 J=181, 182 Sec=24
334 J=182, 183 Sec=24
335 J=183, 184 Sec=24
336 J=184, 185 Sec=24
337 J=185, 186 Sec=24
338 J=186, 187 Sec=24
339 J=187, 188 Sec=24
340 J=188, 189 Sec=24
341 J=189, 190 Sec=24
342 J=190, 191 Sec=24
343 J=191, 192 Sec=24
344 J=192, 193 Sec=24
345 J=193, 194 Sec=24
346 J=194, 195 Sec=24
347 J=195, 196 Sec=24
348 J=196, 197 Sec=24
349 J=197, 198 Sec=24
350 J=198, 199 Sec=24
351 J=199, 200 Sec=24
352 J=200, 201 Sec=24

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353 J=201, 202 Sec=24
354 J=202, 203 Sec=24
355 J=203, 204 Sec=24
356 J=204, 205 Sec=24
357 J=205, 206 Sec=24
358 J=206, 207 Sec=24
359 J=207, 208 Sec=24
360 J=208, 209 Sec=24
361 J=209, 210 Sec=24
362 J=210, 211 Sec=24
363 J=211, 212 Sec=24
364 J=212, 213 Sec=24
365 J=213, 214 Sec=24
366 J=214, 215 Sec=24
367 J=215, 216 Sec=24
368 J=216, 217 Sec=24
369 J=217, 218 Sec=24
370 J=218, 219 Sec=24
371 J=219, 220 Sec=24
372 J=220, 221 Sec=24
373 J=221, 222 Sec=24
374 J=222, 223 Sec=24
375 J=223, 224 Sec=24
376 J=224, 225 Sec=24
377 J=225, 226 Sec=24
378 J=226, 227 Sec=24
379 J=227, 228 Sec=24
380 J=228, 229 Sec=24
381 J=229, 230 Sec=24
382 J=230, 231 Sec=24
383 J= 1, 232 Sec=25
384 J=233, 232 Sec=25
385 J=234, 232 Sec=25
386 J= 9, 235 Sec=25
387 J=236, 235 Sec=25
388 J=237, 235 Sec=25
389 J= 19, 238 Sec=25
390 J=239, 238 Sec=25
391 J=240, 238 Sec=25
392 J= 29, 241 Sec=25
393 J=242, 241 Sec=25
394 J=243, 241 Sec=25
395 J= 39, 244 Sec=25
396 J=245, 244 Sec=25
397 J=246, 244 Sec=25
398 J= 49, 247 Sec=25
399 J=248, 247 Sec=25
400 J=249, 247 Sec=25
401 J= 59, 250 Sec=25
402 J=251, 250 Sec=25
403 J=252, 250 Sec=25
404 J= 69, 253 Sec=25
405 J=254, 253 Sec=25
406 J=255, 253 Sec=25
407 J= 77, 256 Sec=25
408 J=257, 256 Sec=25
409 J=258, 256 Sec=25
410 J= 78, 259 Sec=25
411 J=260, 259 Sec=25
412 J=261, 259 Sec=25
413 J= 86, 262 Sec=25
414 J=263, 262 Sec=25
415 J=264, 262 Sec=25
416 J= 96, 265 Sec=25
417 J=266, 265 Sec=25
418 J=267, 265 Sec=25
419 J=106, 268 Sec=25
420 J=269, 268 Sec=25
421 J=270, 268 Sec=25
422 J=116, 271 Sec=25
423 J=272, 271 Sec=25
424 J=273, 271 Sec=25
425 J=126, 274 Sec=25
426 J=275, 274 Sec=25
427 J=276, 274 Sec=25
428 J=136, 277 Sec=25

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429 J=278, 277 Sec=25
430 J=279, 277 Sec=25
431 J=146, 280 Sec=25
432 J=281, 280 Sec=25
433 J=282, 280 Sec=25
434 J=154, 283 Sec=25
435 J=284, 283 Sec=25
436 J=285, 283 Sec=25

LANE
: Case = 1 ----- G1 Max DB 1선
Name=L1G1
Path= 1, 8, 1, Ecc=0.538
Path= 9, 18, 1, Ecc=0.538
Path= 19, 28, 1, Ecc=0.538
Path= 29, 38, 1, Ecc=0.538
Path= 39, 48, 1, Ecc=0.538
Path= 49, 58, 1, Ecc=0.538
Path= 59, 68, 1, Ecc=0.538
Path= 69, 76, 1, Ecc=0.538
Name=L1G1S1
Path= 307, 314, 1, Ecc=0.000
Path= 315, 324, 1, Ecc=0.000
Path= 325, 334, 1, Ecc=0.000
Path= 335, 344, 1, Ecc=0.000
Path= 345, 354, 1, Ecc=0.000
Path= 355, 364, 1, Ecc=0.000
Path= 365, 374, 1, Ecc=0.000
Path= 375, 382, 1, Ecc=0.000
Name=L1G2
Path= 77, 84, 1, Ecc=1.715
Path= 85, 94, 1, Ecc=1.715
Path= 95, 104, 1, Ecc=1.715
Path= 105, 114, 1, Ecc=1.715
Path= 115, 124, 1, Ecc=1.715
Path= 125, 134, 1, Ecc=1.715
Path= 135, 144, 1, Ecc=1.715
Path= 145, 152, 1, Ecc=1.715

: Case = 2 ----- G1 Max DB 2선
Name=L2G1
Path= 1, 8, 1, Ecc=0.043
Path= 9, 18, 1, Ecc=0.043
Path= 19, 28, 1, Ecc=0.043
Path= 29, 38, 1, Ecc=0.043
Path= 39, 48, 1, Ecc=0.043
Path= 49, 58, 1, Ecc=0.043
Path= 59, 68, 1, Ecc=0.043
Path= 69, 76, 1, Ecc=0.043
Name=L2G1S1
Path= 307, 314, 1, Ecc=0.000
Path= 315, 324, 1, Ecc=0.000
Path= 325, 334, 1, Ecc=0.000
Path= 335, 344, 1, Ecc=0.000
Path= 345, 354, 1, Ecc=0.000
Path= 355, 364, 1, Ecc=0.000
Path= 365, 374, 1, Ecc=0.000
Path= 375, 382, 1, Ecc=0.000
Name=L2G2
Path= 77, 84, 1, Ecc=1.601
Path= 85, 94, 1, Ecc=1.601
Path= 95, 104, 1, Ecc=1.601
Path= 105, 114, 1, Ecc=1.601
Path= 115, 124, 1, Ecc=1.601
Path= 125, 134, 1, Ecc=1.601
Path= 135, 144, 1, Ecc=1.601
Path= 145, 152, 1, Ecc=1.601

: Case = 3 ----- G1 Max DB 3선
Name=L3G1
Path= 1, 8, 1, Ecc=0.047
Path= 9, 18, 1, Ecc=0.047
Path= 19, 28, 1, Ecc=0.047
Path= 29, 38, 1, Ecc=0.047
Path= 39, 48, 1, Ecc=0.047
Path= 49, 58, 1, Ecc=0.047

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Path= 59, 68, 1, Ecc=0.047
Path= 69, 76, 1, Ecc=0.047
Name=L3G1S1
Path= 307, 314, 1, Ecc=0.000
Path= 315, 324, 1, Ecc=0.000
Path= 325, 334, 1, Ecc=0.000
Path= 335, 344, 1, Ecc=0.000
Path= 345, 354, 1, Ecc=0.000
Path= 355, 364, 1, Ecc=0.000
Path= 365, 374, 1, Ecc=0.000
Path= 375, 382, 1, Ecc=0.000
Name=L3G2
Path= 77, 84, 1, Ecc=0.760
Path= 85, 94, 1, Ecc=0.760
Path= 95, 104, 1, Ecc=0.760
Path= 105, 114, 1, Ecc=0.760
Path= 115, 124, 1, Ecc=0.760
Path= 125, 134, 1, Ecc=0.760
Path= 135, 144, 1, Ecc=0.760
Path= 145, 152, 1, Ecc=0.760

: Case = 4 ----- G2 Max DB 1선
Name=L4G1
Path= 1, 8, 1, Ecc=1.715
Path= 9, 18, 1, Ecc=1.715
Path= 19, 28, 1, Ecc=1.715
Path= 29, 38, 1, Ecc=1.715
Path= 39, 48, 1, Ecc=1.715
Path= 49, 58, 1, Ecc=1.715
Path= 59, 68, 1, Ecc=1.715
Path= 69, 76, 1, Ecc=1.715
Name=L4G1S1
Path= 307, 314, 1, Ecc=0.000
Path= 315, 324, 1, Ecc=0.000
Path= 325, 334, 1, Ecc=0.000
Path= 335, 344, 1, Ecc=0.000
Path= 345, 354, 1, Ecc=0.000
Path= 355, 364, 1, Ecc=0.000
Path= 365, 374, 1, Ecc=0.000
Path= 375, 382, 1, Ecc=0.000
Name=L4G2
Path= 77, 84, 1, Ecc=0.538
Path= 85, 94, 1, Ecc=0.538
Path= 95, 104, 1, Ecc=0.538
Path= 105, 114, 1, Ecc=0.538
Path= 115, 124, 1, Ecc=0.538
Path= 125, 134, 1, Ecc=0.538
Path= 135, 144, 1, Ecc=0.538
Path= 145, 152, 1, Ecc=0.538

: Case = 5 ----- G2 Max DB 2선
Name=L5G1
Path= 1, 8, 1, Ecc=1.601
Path= 9, 18, 1, Ecc=1.601
Path= 19, 28, 1, Ecc=1.601
Path= 29, 38, 1, Ecc=1.601
Path= 39, 48, 1, Ecc=1.601
Path= 49, 58, 1, Ecc=1.601
Path= 59, 68, 1, Ecc=1.601
Path= 69, 76, 1, Ecc=1.601
Name=L5G1S1
Path= 307, 314, 1, Ecc=0.000
Path= 315, 324, 1, Ecc=0.000
Path= 325, 334, 1, Ecc=0.000
Path= 335, 344, 1, Ecc=0.000
Path= 345, 354, 1, Ecc=0.000
Path= 355, 364, 1, Ecc=0.000
Path= 365, 374, 1, Ecc=0.000
Path= 375, 382, 1, Ecc=0.000
Name=L5G2
Path= 77, 84, 1, Ecc=0.043
Path= 85, 94, 1, Ecc=0.043
Path= 95, 104, 1, Ecc=0.043
Path= 105, 114, 1, Ecc=0.043
Path= 115, 124, 1, Ecc=0.043
Path= 125, 134, 1, Ecc=0.043

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Path= 135, 144, 1, Ecc=-0.043
Path= 145, 152, 1, Ecc=-0.043

: Case = 6 ----- G2 Max DB 3선

Name=L6G1
Path= 1, 8, 1, Ecc=-0.780
Path= 9, 18, 1, Ecc=-0.780
Path= 19, 28, 1, Ecc=-0.780
Path= 29, 38, 1, Ecc=-0.780
Path= 39, 48, 1, Ecc=-0.780
Path= 49, 58, 1, Ecc=-0.780
Path= 59, 68, 1, Ecc=-0.780
Path= 69, 76, 1, Ecc=-0.780

Name=L6G1S1
Path= 307, 314, 1, Ecc=0.000
Path= 315, 324, 1, Ecc=0.000
Path= 325, 334, 1, Ecc=0.000
Path= 335, 344, 1, Ecc=0.000
Path= 345, 354, 1, Ecc=0.000
Path= 355, 364, 1, Ecc=0.000
Path= 365, 374, 1, Ecc=0.000
Path= 375, 382, 1, Ecc=0.000

Name=L6G2
Path= 77, 84, 1, Ecc=-0.047
Path= 85, 94, 1, Ecc=-0.047
Path= 95, 104, 1, Ecc=-0.047
Path= 105, 114, 1, Ecc=-0.047
Path= 115, 124, 1, Ecc=-0.047
Path= 125, 134, 1, Ecc=-0.047
Path= 135, 144, 1, Ecc=-0.047
Path= 145, 152, 1, Ecc=-0.047

: Case = 7 ----- G1 Max DL 1선

Name=L7G1
Path= 1, 8, 1, Ecc=0.534
Path= 9, 18, 1, Ecc=0.534
Path= 19, 28, 1, Ecc=0.534
Path= 29, 38, 1, Ecc=0.534
Path= 39, 48, 1, Ecc=0.534
Path= 49, 58, 1, Ecc=0.534
Path= 59, 68, 1, Ecc=0.534
Path= 69, 76, 1, Ecc=0.534

Name=L7G1S1
Path= 307, 314, 1, Ecc=0.000
Path= 315, 324, 1, Ecc=0.000
Path= 325, 334, 1, Ecc=0.000
Path= 335, 344, 1, Ecc=0.000
Path= 345, 354, 1, Ecc=0.000
Path= 355, 364, 1, Ecc=0.000
Path= 365, 374, 1, Ecc=0.000
Path= 375, 382, 1, Ecc=0.000

Name=L7G2
Path= 77, 84, 1, Ecc=1.715
Path= 85, 94, 1, Ecc=1.715
Path= 95, 104, 1, Ecc=1.715
Path= 105, 114, 1, Ecc=1.715
Path= 115, 124, 1, Ecc=1.715
Path= 125, 134, 1, Ecc=1.715
Path= 135, 144, 1, Ecc=1.715
Path= 145, 152, 1, Ecc=1.715

: Case = 8 ----- G1 Max DL 2선

Name=L8G1
Path= 1, 8, 1, Ecc=0.045
Path= 9, 18, 1, Ecc=0.045
Path= 19, 28, 1, Ecc=0.045
Path= 29, 38, 1, Ecc=0.045
Path= 39, 48, 1, Ecc=0.045
Path= 49, 58, 1, Ecc=0.045
Path= 59, 68, 1, Ecc=0.045
Path= 69, 76, 1, Ecc=0.045

Name=L8G1S1
Path= 307, 314, 1, Ecc=0.000
Path= 315, 324, 1, Ecc=0.000
Path= 325, 334, 1, Ecc=0.000
Path= 335, 344, 1, Ecc=0.000

Path= 19, 28, 1, Ecc=-1.785
Path= 29, 38, 1, Ecc=-1.785
Path= 39, 48, 1, Ecc=-1.785
Path= 49, 58, 1, Ecc=-1.785
Path= 59, 68, 1, Ecc=-1.785
Path= 69, 76, 1, Ecc=-1.785

Name=L10G1S1
Path= 307, 314, 1, Ecc=0.000
Path= 315, 324, 1, Ecc=0.000
Path= 325, 334, 1, Ecc=0.000
Path= 335, 344, 1, Ecc=0.000
Path= 345, 354, 1, Ecc=0.000
Path= 355, 364, 1, Ecc=0.000
Path= 365, 374, 1, Ecc=0.000
Path= 375, 382, 1, Ecc=0.000

Name=L11G2
Path= 77, 84, 1, Ecc=-0.045
Path= 85, 94, 1, Ecc=-0.045
Path= 95, 104, 1, Ecc=-0.045
Path= 105, 114, 1, Ecc=-0.045
Path= 115, 124, 1, Ecc=-0.045
Path= 125, 134, 1, Ecc=-0.045
Path= 135, 144, 1, Ecc=-0.045
Path= 145, 152, 1, Ecc=-0.045

: Case = 12 ----- G2 Max DL 3선

Name=L12G1
Path= 1, 8, 1, Ecc=-0.780
Path= 9, 18, 1, Ecc=-0.780
Path= 19, 28, 1, Ecc=-0.780
Path= 29, 38, 1, Ecc=-0.780
Path= 39, 48, 1, Ecc=-0.780
Path= 49, 58, 1, Ecc=-0.780
Path= 59, 68, 1, Ecc=-0.780
Path= 69, 76, 1, Ecc=-0.780

Name=L12G1S1
Path= 307, 314, 1, Ecc=0.000
Path= 315, 324, 1, Ecc=0.000
Path= 325, 334, 1, Ecc=0.000
Path= 335, 344, 1, Ecc=0.000
Path= 345, 354, 1, Ecc=0.000
Path= 355, 364, 1, Ecc=0.000
Path= 365, 374, 1, Ecc=0.000
Path= 375, 382, 1, Ecc=0.000

Name=L12G2
Path= 77, 84, 1, Ecc=-0.044
Path= 85, 94, 1, Ecc=-0.044
Path= 95, 104, 1, Ecc=-0.044
Path= 105, 114, 1, Ecc=-0.044
Path= 115, 124, 1, Ecc=-0.044
Path= 125, 134, 1, Ecc=-0.044
Path= 135, 144, 1, Ecc=-0.044
Path= 145, 152, 1, Ecc=-0.044

VEHICLES

Name=1 TYPE=Gen : DB-24
P=24,000
D=4,200 P=96,000
D=4,200 9,000 P=96,000

Name=2 TYPE=Gen : DL-24
W=4,233 PM=38,000 PYM=52,000

Vehicle Class

Name=1
Vehi=1
Name=2
Vehi=2

Bridge Response

Elem=Frame

Add=*

Elem=Joint Type=DISP

Add=*

Elem=Joint Type=REAC

Path= 345, 354, 1, Ecc=0.000
Path= 355, 364, 1, Ecc=0.000
Path= 365, 374, 1, Ecc=0.000
Path= 375, 382, 1, Ecc=0.000

Name=L9G2
Path= 77, 84, 1, Ecc=1.785
Path= 85, 94, 1, Ecc=1.785
Path= 95, 104, 1, Ecc=1.785
Path= 105, 114, 1, Ecc=1.785
Path= 115, 124, 1, Ecc=1.785
Path= 125, 134, 1, Ecc=1.785
Path= 135, 144, 1, Ecc=1.785
Path= 145, 152, 1, Ecc=1.785

: Case = 9 ----- G1 Max DL 3선

Name=L9G1
Path= 1, 8, 1, Ecc=0.044
Path= 9, 18, 1, Ecc=0.044
Path= 19, 28, 1, Ecc=0.044
Path= 29, 38, 1, Ecc=0.044
Path= 39, 48, 1, Ecc=0.044
Path= 49, 58, 1, Ecc=0.044
Path= 59, 68, 1, Ecc=0.044
Path= 69, 76, 1, Ecc=0.044

Name=L9G1S1
Path= 307, 314, 1, Ecc=0.000
Path= 315, 324, 1, Ecc=0.000
Path= 325, 334, 1, Ecc=0.000
Path= 335, 344, 1, Ecc=0.000
Path= 345, 354, 1, Ecc=0.000
Path= 355, 364, 1, Ecc=0.000
Path= 365, 374, 1, Ecc=0.000
Path= 375, 382, 1, Ecc=0.000

Name=L9G2
Path= 77, 84, 1, Ecc=0.780
Path= 85, 94, 1, Ecc=0.780
Path= 95, 104, 1, Ecc=0.780
Path= 105, 114, 1, Ecc=0.780
Path= 115, 124, 1, Ecc=0.780
Path= 125, 134, 1, Ecc=0.780
Path= 135, 144, 1, Ecc=0.780
Path= 145, 152, 1, Ecc=0.780

: Case = 10 ----- G2 Max DL 1선

Name=L10G1
Path= 1, 8, 1, Ecc=-1.715
Path= 9, 18, 1, Ecc=-1.715
Path= 19, 28, 1, Ecc=-1.715
Path= 29, 38, 1, Ecc=-1.715
Path= 39, 48, 1, Ecc=-1.715
Path= 49, 58, 1, Ecc=-1.715
Path= 59, 68, 1, Ecc=-1.715
Path= 69, 76, 1, Ecc=-1.715

Name=L10G1S1
Path= 307, 314, 1, Ecc=0.000
Path= 315, 324, 1, Ecc=0.000
Path= 325, 334, 1, Ecc=0.000
Path= 335, 344, 1, Ecc=0.000
Path= 345, 354, 1, Ecc=0.000
Path= 355, 364, 1, Ecc=0.000
Path= 365, 374, 1, Ecc=0.000
Path= 375, 382, 1, Ecc=0.000

Name=L10G2
Path= 77, 84, 1, Ecc=-0.534
Path= 85, 94, 1, Ecc=-0.534
Path= 95, 104, 1, Ecc=-0.534
Path= 105, 114, 1, Ecc=-0.534
Path= 115, 124, 1, Ecc=-0.534
Path= 125, 134, 1, Ecc=-0.534
Path= 135, 144, 1, Ecc=-0.534
Path= 145, 152, 1, Ecc=-0.534

: Case = 11 ----- G2 Max DL 2선

Name=L11G1
Path= 1, 8, 1, Ecc=-1.785
Path= 9, 18, 1, Ecc=-1.785

Add=*

MOVING LOAD

Name= 1 Rf=1.000 : G1 Max DB 1선
Lane= L1G1 Class=1 Lmin= 1 Lmax= 1 Sf=2.088
Lane= L1G2 Class=1 Lmin= 1 Lmax= 1 Sf=0.022

Name= 2 Rf=1.000 : G1 Max DB 2선
Lane= L2G1 Class=1 Lmin= 1 Lmax= 1 Sf=2.761
Lane= L2G1S1 Class=1 Lmin= 1 Lmax= 1 Sf=1.280

Name= 3 Rf=0.900 : G1 Max DB 3선
Lane= L3G1 Class=1 Lmin= 1 Lmax= 1 Sf=2.754
Lane= L3G1S1 Class=1 Lmin= 1 Lmax= 1 Sf=1.280
Lane= L3G2 Class=1 Lmin= 1 Lmax= 1 Sf=1.966

Name= 4 Rf=1.000 : G2 Max DB 1선
Lane= L4G1 Class=1 Lmin= 1 Lmax= 1 Sf=0.022
Lane= L4G2 Class=1 Lmin= 1 Lmax= 1 Sf=2.088

Name= 5 Rf=1.000 : G2 Max DB 2선
Lane= L5G1S1 Class=1 Lmin= 1 Lmax= 1 Sf=1.242
Lane= L5G2 Class=1 Lmin= 1 Lmax= 1 Sf=2.761

Name= 6 Rf=0.900 : G2 Max DB 3선
Lane= L6G1 Class=1 Lmin= 1 Lmax= 1 Sf=1.966
Lane= L6G1S1 Class=1 Lmin= 1 Lmax= 1 Sf=1.280
Lane= L6G2 Class=1 Lmin= 1 Lmax= 1 Sf=2.754

Name= 7 Rf=1.000 : G1 Max DL 1선
Lane= L7G1 Class=2 Lmin= 1 Lmax= 1 Sf=3.135
Lane= L7G2 Class=2 Lmin= 1 Lmax= 1 Sf=0.035

Name= 8 Rf=1.000 : G1 Max DL 2선
Lane= L8G1 Class=2 Lmin= 1 Lmax= 1 Sf=4.126
Lane= L8G1S1 Class=2 Lmin= 1 Lmax= 1 Sf=1.902

Name= 9 Rf=0.900 : G1 Max DL 3선
Lane= L9G1 Class=2 Lmin= 1 Lmax= 1 Sf=4.129
Lane= L9G1S1 Class=2 Lmin= 1 Lmax= 1 Sf=1.909
Lane= L9G2 Class=2 Lmin= 1 Lmax= 1 Sf=2.962

Name= 10 Rf=1.000 : G2 Max DL 1선
Lane= L10G1 Class=2 Lmin= 1 Lmax= 1 Sf=0.035
Lane= L10G2 Class=2 Lmin= 1 Lmax= 1 Sf=3.135

Name= 11 Rf=1.000 : G2 Max DL 2선
Lane= L11G1S1 Class=2 Lmin= 1 Lmax= 1 Sf=1.902
Lane= L11G2 Class=2 Lmin= 1 Lmax= 1 Sf=4.126

Name= 12 Rf=0.900 : G2 Max DL 3선
Lane= L12G1 Class=2 Lmin= 1 Lmax= 1 Sf=2.962
Lane= L12G1S1 Class=2 Lmin= 1 Lmax= 1 Sf=1.909
Lane= L12G2 Class=2 Lmin= 1 Lmax= 1 Sf=4.129

COMBO

Name=G1XDB1 Type=ENVE : G1 Max DB 1선
MOVE=1 sf=1.189

Name=G1XDB2 Type=ENVE : G1 Max DB 2선
MOVE=2 sf=1.189

Name=G1XDB3 Type=ENVE : G1 Max DB 3선
MOVE=3 sf=1.189

Name=G2XDB1 Type=ENVE : G2 Max DB 1선
MOVE=4 sf=1.189

Name=G2XDB2 Type=ENVE : G2 Max DB 2선
MOVE=5 sf=1.189

Name=G2XDB3 Type=ENVE : G2 Max DB 3선
MOVE=6 sf=1.189

Name=G1XDL1 Type=ENVE : G1 Max DL 1선
MOVE=7 sf=1.189

Name=G1XDL2 Type=ENVE : G1 Max DL 2선
MOVE=8 sf=1.189

Name=G1XDL3 Type=ENVE : G1 Max DL 3선
MOVE=9 sf=1.189

Name=G2XDL1 Type=ENVE : G2 Max DL 1선
MOVE=10 sf=1.189

Name=G2XDL2 Type=ENVE : G2 Max DL 2선
MOVE=11 sf=1.189

Name=G2XDL3 Type=ENVE : G2 Max DL 3선
MOVE=12 sf=1.189

Name=DB Type=ENVE :
COMB=G1XDB1 sf=1.000
COMB=G1XDB2 sf=1.000
COMB=G1XDB3 sf=1.000
COMB=G2XDB1 sf=1.000
COMB=G2XDB2 sf=1.000
COMB=G2XDB3 sf=1.000

Name=DL Type=ENVE :
COMB=G1XDL1 sf=1.000
COMB=G1XDL2 sf=1.000
COMB=G1XDL3 sf=1.000
COMB=G2XDL1 sf=1.000
COMB=G2XDL2 sf=1.000
COMB=G2XDL3 sf=1.000

Name=CAR Type=ENVE :
COMB=DB sf=1.000
COMB=DL sf=1.000

Name=DESIGN Type=ENVE :
COMB=CAR sf=1.000

OUTPUT
ELEM=JOINT TYPE=DISP REAC LOAD=> COMB=>
ELEM=FRAME TYPE=FORCE LOAD=> COMB=>

70 X= 345.391 Y=5.943 Z=-1.033
71 X= 350.369 Y=5.153 Z=-1.048
72 X= 355.342 Y=4.337 Z=-1.063
73 X= 360.312 Y=3.497 Z=-1.078
74 X= 365.277 Y=2.632 Z=-1.093
75 X= 370.238 Y=1.742 Z=-1.108
76 X= 375.194 Y=0.828 Z=-1.123
77 X= 379.563 Y=0.000 Z=-1.136
78 X= 1.379 Y=-7.168 Z=0.365
79 X= 5.701 Y=-6.350 Z=0.352
80 X= 10.821 Y=-5.442 Z=0.337
81 X= 15.546 Y=-4.558 Z=0.322
82 X= 20.475 Y=-3.700 Z=0.307
83 X= 25.408 Y=-2.865 Z=0.292
84 X= 30.346 Y=-2.056 Z=0.277
85 X= 35.288 Y=-1.271 Z=0.262
86 X= 40.239 Y=-0.510 Z=0.247
87 X= 45.182 Y=0.224 Z=0.232
88 X= 50.135 Y=0.935 Z=0.217
89 X= 55.091 Y=1.621 Z=0.202
90 X= 60.051 Y=2.282 Z=0.187
91 X= 65.014 Y=2.918 Z=0.172
92 X= 69.980 Y=3.530 Z=0.157
93 X= 74.949 Y=4.116 Z=0.142
94 X= 79.921 Y=4.678 Z=0.127
95 X= 84.895 Y=5.215 Z=0.112
96 X= 89.878 Y=5.727 Z=0.097
97 X= 94.852 Y=6.214 Z=0.082
98 X= 99.834 Y=6.676 Z=0.067
99 X= 104.819 Y=7.113 Z=0.052
100 X= 109.805 Y=7.526 Z=0.037
101 X= 114.794 Y=7.913 Z=0.022
102 X= 119.784 Y=8.276 Z=0.007
103 X= 124.776 Y=8.613 Z=-0.008
104 X= 129.770 Y=8.926 Z=-0.023
105 X= 134.765 Y=9.213 Z=-0.038
106 X= 139.767 Y=9.476 Z=-0.053
107 X= 144.759 Y=9.713 Z=-0.068
108 X= 149.758 Y=9.926 Z=-0.083
109 X= 154.758 Y=10.114 Z=-0.098
110 X= 159.759 Y=10.276 Z=-0.113
111 X= 164.761 Y=10.414 Z=-0.128
112 X= 169.763 Y=10.526 Z=-0.143
113 X= 174.766 Y=10.614 Z=-0.158
114 X= 179.769 Y=10.677 Z=-0.173
115 X= 184.772 Y=10.714 Z=-0.188
116 X= 189.781 Y=10.727 Z=-0.203
117 X= 194.779 Y=10.714 Z=-0.218
118 X= 199.783 Y=10.677 Z=-0.233
119 X= 204.786 Y=10.614 Z=-0.248
120 X= 209.788 Y=10.527 Z=-0.263
121 X= 214.791 Y=10.414 Z=-0.278
122 X= 219.792 Y=10.277 Z=-0.293
123 X= 224.793 Y=10.114 Z=-0.308
124 X= 229.793 Y=9.927 Z=-0.323
125 X= 234.792 Y=9.714 Z=-0.338
126 X= 239.795 Y=9.476 Z=-0.353
127 X= 244.796 Y=9.214 Z=-0.368
128 X= 249.782 Y=8.926 Z=-0.383
129 X= 254.775 Y=8.614 Z=-0.398
130 X= 259.768 Y=8.276 Z=-0.413
131 X= 264.758 Y=7.914 Z=-0.428
132 X= 269.746 Y=7.527 Z=-0.443
133 X= 274.733 Y=7.114 Z=-0.458
134 X= 279.717 Y=6.677 Z=-0.473
135 X= 284.699 Y=6.215 Z=-0.488
136 X= 289.685 Y=5.727 Z=-0.503
137 X= 294.656 Y=5.216 Z=-0.518
138 X= 299.631 Y=4.679 Z=-0.533
139 X= 304.603 Y=4.118 Z=-0.548
140 X= 309.572 Y=3.531 Z=-0.563
141 X= 314.538 Y=2.920 Z=-0.578
142 X= 319.501 Y=2.283 Z=-0.593
143 X= 324.460 Y=1.622 Z=-0.608
144 X= 329.417 Y=0.937 Z=-0.623
145 X= 334.369 Y=0.226 Z=-0.638

4) 부등침하 < UNEQUAL SETTLEMENT >

SYSTEM
LENGTH=M FORCE=KN

JOINT
1 X= 0.000 Y=0.000 Z=0.000
2 X= 4.358 Y=0.825 Z=-0.013
3 X= 9.314 Y=1.740 Z=-0.028
4 X= 14.275 Y=2.630 Z=-0.043
5 X= 19.240 Y=3.495 Z=-0.058
6 X= 24.209 Y=4.336 Z=-0.073
7 X= 29.183 Y=5.151 Z=-0.088
8 X= 34.161 Y=5.942 Z=-0.103
9 X= 39.148 Y=6.708 Z=-0.118
10 X= 44.127 Y=7.448 Z=-0.133
11 X= 49.116 Y=8.164 Z=-0.148
12 X= 54.109 Y=8.855 Z=-0.163
13 X= 59.105 Y=9.520 Z=-0.178
14 X= 64.104 Y=10.161 Z=-0.193
15 X= 69.106 Y=10.777 Z=-0.208
16 X= 74.111 Y=11.368 Z=-0.223
17 X= 79.119 Y=11.934 Z=-0.238
18 X= 84.130 Y=12.475 Z=-0.253
19 X= 89.149 Y=12.991 Z=-0.268
20 X= 94.160 Y=13.481 Z=-0.283
21 X= 99.178 Y=13.947 Z=-0.298
22 X= 104.199 Y=14.387 Z=-0.313
23 X= 109.222 Y=14.802 Z=-0.328
24 X= 114.247 Y=15.193 Z=-0.343
25 X= 119.273 Y=15.558 Z=-0.358
26 X= 124.302 Y=15.898 Z=-0.373
27 X= 129.332 Y=16.213 Z=-0.388
28 X= 134.364 Y=16.502 Z=-0.403
29 X= 139.402 Y=16.767 Z=-0.418
30 X= 144.431 Y=17.006 Z=-0.433
31 X= 149.466 Y=17.220 Z=-0.448
32 X= 154.503 Y=17.409 Z=-0.463
33 X= 159.540 Y=17.573 Z=-0.478
34 X= 164.578 Y=17.712 Z=-0.493
35 X= 169.617 Y=17.825 Z=-0.508
36 X= 174.656 Y=17.913 Z=-0.523
37 X= 179.696 Y=17.975 Z=-0.538
38 X= 184.736 Y=18.014 Z=-0.553
39 X= 189.781 Y=18.027 Z=-0.568
40 X= 194.816 Y=18.014 Z=-0.583
41 X= 199.856 Y=17.976 Z=-0.598
42 X= 204.895 Y=17.913 Z=-0.613
43 X= 209.934 Y=17.825 Z=-0.628
44 X= 214.973 Y=17.712 Z=-0.643
45 X= 220.011 Y=17.573 Z=-0.658
46 X= 225.049 Y=17.410 Z=-0.673
47 X= 230.085 Y=17.221 Z=-0.688
48 X= 235.120 Y=17.007 Z=-0.703
49 X= 240.160 Y=16.767 Z=-0.718
50 X= 245.198 Y=16.503 Z=-0.733
51 X= 250.219 Y=16.213 Z=-0.748
52 X= 255.250 Y=15.898 Z=-0.763
53 X= 260.278 Y=15.559 Z=-0.778
54 X= 265.305 Y=15.193 Z=-0.793
55 X= 270.330 Y=14.803 Z=-0.808
56 X= 275.353 Y=14.388 Z=-0.823
57 X= 280.373 Y=13.948 Z=-0.838
58 X= 285.392 Y=13.482 Z=-0.853
59 X= 290.413 Y=12.991 Z=-0.868
60 X= 295.421 Y=12.476 Z=-0.883
61 X= 300.432 Y=11.935 Z=-0.898
62 X= 305.440 Y=11.369 Z=-0.913
63 X= 310.446 Y=10.779 Z=-0.928
64 X= 315.448 Y=10.163 Z=-0.943
65 X= 320.447 Y=9.522 Z=-0.958
66 X= 325.443 Y=8.856 Z=-0.973
67 X= 330.435 Y=8.165 Z=-0.988
68 X= 335.424 Y=7.450 Z=-1.003
69 X= 340.415 Y=6.708 Z=-1.018

146 X= 339.324 Y=-0.510 Z=-0.653
147 X= 344.284 Y=-1.269 Z=-0.668
148 X= 349.206 Y=-2.054 Z=-0.683
149 X= 354.143 Y=-2.863 Z=-0.698
150 X= 359.077 Y=-3.698 Z=-0.713
151 X= 364.006 Y=-4.556 Z=-0.728
152 X= 368.931 Y=-5.440 Z=-0.743
153 X= 373.851 Y=-6.348 Z=-0.758
154 X= 378.783 Y=-7.168 Z=-0.771
155 X= 0.690 Y=-3.584 Z=0.182
156 X= 5.029 Y=-2.762 Z=0.169
157 X= 9.967 Y=-1.851 Z=0.154
158 X= 14.910 Y=-0.964 Z=0.139
159 X= 19.858 Y=-0.102 Z=0.124
160 X= 24.809 Y=0.735 Z=0.109
161 X= 29.765 Y=1.548 Z=0.094
162 X= 34.724 Y=2.335 Z=0.079
163 X= 39.693 Y=3.099 Z=0.064
164 X= 44.655 Y=3.836 Z=0.049
165 X= 49.626 Y=4.549 Z=0.034
166 X= 54.600 Y=5.238 Z=0.019
167 X= 59.578 Y=5.901 Z=0.004
168 X= 64.559 Y=6.540 Z=-0.011
169 X= 69.543 Y=7.153 Z=-0.026
170 X= 74.530 Y=7.742 Z=-0.041
171 X= 79.520 Y=8.306 Z=-0.056
172 X= 84.513 Y=8.845 Z=-0.071
173 X= 89.514 Y=9.359 Z=-0.086
174 X= 94.506 Y=9.847 Z=-0.101
175 X= 99.506 Y=10.311 Z=-0.116
176 X= 104.509 Y=10.750 Z=-0.131
177 X= 109.513 Y=11.164 Z=-0.146
178 X= 114.520 Y=11.553 Z=-0.161
179 X= 119.529 Y=11.917 Z=-0.176
180 X= 124.539 Y=12.255 Z=-0.191
181 X= 129.551 Y=12.569 Z=-0.206
182 X= 134.564 Y=12.858 Z=-0.221
183 X= 139.585 Y=13.122 Z=-0.236
184 X= 144.595 Y=13.360 Z=-0.251
185 X= 149.612 Y=13.573 Z=-0.266
186 X= 154.631 Y=13.761 Z=-0.281
187 X= 159.650 Y=13.925 Z=-0.296
188 X= 164.670 Y=14.063 Z=-0.311
189 X= 169.690 Y=14.176 Z=-0.326
190 X= 174.711 Y=14.264 Z=-0.341
191 X= 179.732 Y=14.326 Z=-0.356
192 X= 184.754 Y=14.364 Z=-0.371
193 X= 189.781 Y=14.377 Z=-0.386
194 X= 194.797 Y=14.364 Z=-0.401
195 X= 199.819 Y=14.327 Z=-0.416
196 X= 204.840 Y=14.264 Z=-0.431
197 X= 209.861 Y=14.176 Z=-0.446
198 X= 214.882 Y=14.063 Z=-0.461
199 X= 219.902 Y=13.925 Z=-0.476
200 X= 224.921 Y=13.762 Z=-0.491
201 X= 229.939 Y=13.574 Z=-0.506
202 X= 234.956 Y=13.360 Z=-0.521
203 X= 239.978 Y=13.122 Z=-0.536
204 X= 244.987 Y=12.858 Z=-0.551
205 X= 250.001 Y=12.570 Z=-0.566
206 X= 255.013 Y=12.256 Z=-0.581
207 X= 260.023 Y=11.917 Z=-0.596
208 X= 265.031 Y=11.554 Z=-0.611
209 X= 270.038 Y=11.165 Z=-0.626
210 X= 275.043 Y=10.750 Z=-0.641
211 X= 280.045 Y=10.312 Z=-0.656
212 X= 285.046 Y=9.849 Z=-0.671
213 X= 290.049 Y=9.359 Z=-0.686
214 X= 295.039 Y=8.846 Z=-0.701
215 X= 300.032 Y=8.307 Z=-0.716
216 X= 305.022 Y=7.743 Z=-0.731
217 X= 310.009 Y=7.155 Z=-0.746
218 X= 314.993 Y=6.541 Z=-0.761
219 X= 319.974 Y=5.903 Z=-0.776
220 X= 324.952 Y=5.239 Z=-0.791
221 X= 329.926 Y=4.551 Z=-0.806

222 X= 334.897 Y=-3.838 Z=-0.821
223 X= 339.870 Y=-3.099 Z=-0.836
224 X= 344.827 Y=-2.337 Z=-0.851
225 X= 349.787 Y=-1.549 Z=-0.866
226 X= 354.743 Y=-0.737 Z=-0.881
227 X= 359.694 Y=-0.100 Z=-0.896
228 X= 364.641 Y=-0.962 Z=-0.911
229 X= 369.584 Y=-1.849 Z=-0.926
230 X= 374.523 Y=-2.760 Z=-0.941
231 X= 378.873 Y=-3.584 Z=-0.954
232 X= 0.000 Y=0.000 Z=-0.800
233 X=-0.157 Y=0.817 Z=-0.800
234 X= 0.157 Y=-0.817 Z=-0.800
235 X= 39.148 Y=6.708 Z=-1.418
236 X= 39.023 Y=7.531 Z=-1.418
237 X= 39.272 Y=5.885 Z=-1.418
238 X= 89.149 Y=12.991 Z=-1.568
239 X= 89.066 Y=13.819 Z=-1.568
240 X= 89.232 Y=12.163 Z=-1.568
241 X= 139.402 Y=16.767 Z=-1.718
242 X= 139.361 Y=17.598 Z=-1.718
243 X= 139.444 Y=15.936 Z=-1.718
244 X= 189.781 Y=18.027 Z=-1.868
245 X= 189.781 Y=18.859 Z=-1.868
246 X= 189.781 Y=17.195 Z=-1.868
247 X= 240.160 Y=16.767 Z=-2.018
248 X= 240.202 Y=17.598 Z=-2.018
249 X= 240.119 Y=15.936 Z=-2.018
250 X= 290.413 Y=12.991 Z=-2.168
251 X= 290.496 Y=13.819 Z=-2.168
252 X= 290.330 Y=12.163 Z=-2.168
253 X= 340.415 Y=6.708 Z=-2.318
254 X= 340.539 Y=7.531 Z=-2.318
255 X= 340.291 Y=5.885 Z=-2.318
256 X= 379.563 Y=0.000 Z=-1.936
257 X= 379.720 Y=0.817 Z=-1.936
258 X= 379.405 Y=-0.817 Z=-1.936
259 X= 1.379 Y=-7.168 Z=-0.435
260 X= 1.222 Y=-6.351 Z=-0.435
261 X= 1.537 Y=-7.986 Z=-0.435
262 X= 40.239 Y=-0.510 Z=-1.053
263 X= 40.114 Y=0.313 Z=-1.053
264 X= 40.363 Y=-1.333 Z=-1.053
265 X= 89.878 Y=5.727 Z=-1.203
266 X= 89.795 Y=6.555 Z=-1.203
267 X= 89.961 Y=4.900 Z=-1.203
268 X= 139.767 Y=9.476 Z=-1.353
269 X= 139.726 Y=10.307 Z=-1.353
270 X= 139.809 Y=8.645 Z=-1.353
271 X= 189.781 Y=10.727 Z=-1.503
272 X= 189.781 Y=11.559 Z=-1.503
273 X= 189.781 Y=9.895 Z=-1.503
274 X= 239.795 Y=9.476 Z=-1.653
275 X= 239.837 Y=10.307 Z=-1.653
276 X= 239.754 Y=8.645 Z=-1.653
277 X= 289.685 Y=5.727 Z=-1.803
278 X= 289.768 Y=6.555 Z=-1.803
279 X= 289.602 Y=4.900 Z=-1.803
280 X= 339.324 Y=-0.510 Z=-1.953
281 X= 339.448 Y=0.313 Z=-1.953
282 X= 339.200 Y=-1.333 Z=-1.953
283 X= 378.183 Y=-7.168 Z=-1.571
284 X= 378.340 Y=-6.351 Z=-1.571
285 X= 378.026 Y=-7.986 Z=-1.571

LOCAL

ADD= 233 ANG=10.852
ADD= 234 ANG=10.852
ADD= 236 ANG=8.594
ADD= 237 ANG=8.594
ADD= 239 ANG=5.730
ADD= 240 ANG=5.730
ADD= 242 ANG=2.865
ADD= 243 ANG=2.865
ADD= 245 ANG=0.000
ADD= 246 ANG=0.000

ADD= 248 ANG=-2.865
ADD= 249 ANG=-2.865
ADD= 251 ANG=-5.730
ADD= 252 ANG=-5.730
ADD= 254 ANG=-8.594
ADD= 255 ANG=-8.594
ADD= 257 ANG=-10.852
ADD= 258 ANG=-10.852
ADD= 260 ANG=10.852
ADD= 261 ANG=10.852
ADD= 263 ANG=8.594
ADD= 264 ANG=8.594
ADD= 266 ANG=5.730
ADD= 267 ANG=5.730
ADD= 269 ANG=2.865
ADD= 270 ANG=2.865
ADD= 272 ANG=0.000
ADD= 273 ANG=0.000
ADD= 275 ANG=2.865
ADD= 276 ANG=-2.865
ADD= 278 ANG=-5.730
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Name= 6 Mat= 6 A=0.40895 I=0.47706983, 0.93011214 J=0.28753575 : GIRDER
Name= 7 Mat= 7 A=0.39039 I=0.33010774, 0.89925943 J=0.20307705 : GIRDER
Name= 8 Mat= 8 A=0.37303 I=0.22761067, 0.86088875 J=0.16141069 : GIRDER
Name= 9 Mat= 9 A=0.35471 I=0.18330546, 0.86548140 J=0.14170325 : GIRDER
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Name= 11 Mat= 11 A=0.36711 I=0.22680006, 0.87577787 J=0.16010465 : GIRDER
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Name= 22 Mat= 22 A=0.36207 I=0.22657568, 0.87303352 J=0.16010465 : GIRDER
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289 J= 69, 223 Sec=23 IOFF=1.250 JOFF=0.000 RIGD=1.0
290 J=223, 146 Sec=23 IOFF=0.000 JOFF=1.250 RIGD=1.0
291 J= 70, 224 Sec=23 IOFF=1.250 JOFF=0.000 RIGD=1.0
292 J=224, 147 Sec=23 IOFF=0.000 JOFF=1.250 RIGD=1.0
293 J= 71, 225 Sec=23 IOFF=1.250 JOFF=0.000 RIGD=1.0
294 J=225, 148 Sec=23 IOFF=0.000 JOFF=1.250 RIGD=1.0
295 J= 72, 226 Sec=23 IOFF=1.250 JOFF=0.000 RIGD=1.0
296 J=226, 149 Sec=23 IOFF=0.000 JOFF=1.250 RIGD=1.0
297 J= 73, 227 Sec=23 IOFF=1.250 JOFF=0.000 RIGD=1.0
298 J=227, 150 Sec=23 IOFF=0.000 JOFF=1.250 RIGD=1.0
299 J= 74, 228 Sec=23 IOFF=1.250 JOFF=0.000 RIGD=1.0
300 J=228, 151 Sec=23 IOFF=0.000 JOFF=1.250 RIGD=1.0
301 J= 75, 229 Sec=23 IOFF=1.250 JOFF=0.000 RIGD=1.0
302 J=229, 152 Sec=23 IOFF=0.000 JOFF=1.250 RIGD=1.0
303 J= 76, 230 Sec=23 IOFF=1.250 JOFF=0.000 RIGD=1.0
304 J=230, 153 Sec=23 IOFF=0.000 JOFF=1.250 RIGD=1.0
305 J= 77, 231 Sec=23 IOFF=1.250 JOFF=0.000 RIGD=1.0
306 J=231, 154 Sec=23 IOFF=0.000 JOFF=1.250 RIGD=1.0
307 J=155, 156 Sec=24
308 J=156, 157 Sec=24
309 J=157, 158 Sec=24
310 J=158, 159 Sec=24
311 J=159, 160 Sec=24
312 J=160, 161 Sec=24
313 J=161, 162 Sec=24
314 J=162, 163 Sec=24
315 J=163, 164 Sec=24
316 J=164, 165 Sec=24
317 J=165, 166 Sec=24
318 J=166, 167 Sec=24
319 J=167, 168 Sec=24
320 J=168, 169 Sec=24
321 J=169, 170 Sec=24
322 J=170, 171 Sec=24
323 J=171, 172 Sec=24
324 J=172, 173 Sec=24
325 J=173, 174 Sec=24
326 J=174, 175 Sec=24
327 J=175, 176 Sec=24
328 J=176, 177 Sec=24
329 J=177, 178 Sec=24
330 J=178, 179 Sec=24
331 J=179, 180 Sec=24
332 J=180, 181 Sec=24
333 J=181, 182 Sec=24
334 J=182, 183 Sec=24
335 J=183, 184 Sec=24
336 J=184, 185 Sec=24
337 J=185, 186 Sec=24
338 J=186, 187 Sec=24
339 J=187, 188 Sec=24
340 J=188, 189 Sec=24
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342 J=190, 191 Sec=24
343 J=191, 192 Sec=24
344 J=192, 193 Sec=24
345 J=193, 194 Sec=24
346 J=194, 195 Sec=24
347 J=195, 196 Sec=24
348 J=196, 197 Sec=24
349 J=197, 198 Sec=24
350 J=198, 199 Sec=24
351 J=199, 200 Sec=24
352 J=200, 201 Sec=24

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353 J=201, 202 Sec=24
 354 J=202, 203 Sec=24
 355 J=203, 204 Sec=24
 356 J=204, 205 Sec=24
 357 J=205, 206 Sec=24
 358 J=206, 207 Sec=24
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 369 J=217, 218 Sec=24
 370 J=218, 219 Sec=24
 371 J=219, 220 Sec=24
 372 J=220, 221 Sec=24
 373 J=221, 222 Sec=24
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 376 J=224, 225 Sec=24
 377 J=225, 226 Sec=24
 378 J=226, 227 Sec=24
 379 J=227, 228 Sec=24
 380 J=228, 229 Sec=24
 381 J=229, 230 Sec=24
 382 J=230, 231 Sec=24
 383 J= 1, 232 Sec=25
 384 J=233, 232 Sec=25
 385 J=234, 232 Sec=25
 386 J= 9, 235 Sec=25
 387 J=236, 235 Sec=25
 388 J=237, 235 Sec=25
 389 J= 19, 238 Sec=25
 390 J=239, 238 Sec=25
 391 J=240, 238 Sec=25
 392 J= 29, 241 Sec=25
 393 J=242, 241 Sec=25
 394 J=243, 241 Sec=25
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 398 J= 49, 247 Sec=25
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 401 J= 59, 250 Sec=25
 402 J=251, 250 Sec=25
 403 J=252, 250 Sec=25
 404 J= 69, 253 Sec=25
 405 J=254, 253 Sec=25
 406 J=255, 253 Sec=25
 407 J= 77, 256 Sec=25
 408 J=257, 256 Sec=25
 409 J=258, 256 Sec=25
 410 J= 78, 259 Sec=25
 411 J=260, 259 Sec=25
 412 J=261, 259 Sec=25
 413 J= 86, 262 Sec=25
 414 J=263, 262 Sec=25
 415 J=264, 262 Sec=25
 416 J= 96, 265 Sec=25
 417 J=266, 265 Sec=25
 418 J=267, 265 Sec=25
 419 J=106, 268 Sec=25
 420 J=269, 268 Sec=25
 421 J=270, 268 Sec=25
 422 J=116, 271 Sec=25
 423 J=272, 271 Sec=25
 424 J=273, 271 Sec=25
 425 J=126, 274 Sec=25
 426 J=275, 274 Sec=25
 427 J=276, 274 Sec=25
 428 J=136, 277 Sec=25

429 J=278, 277 Sec=25
 430 J=279, 277 Sec=25
 431 J=146, 280 Sec=25
 432 J=281, 280 Sec=25
 433 J=282, 280 Sec=25
 434 J=154, 283 Sec=25
 435 J=284, 283 Sec=25
 436 J=285, 283 Sec=25

LOAD
 Name=-A1 : UNEQUAL SETTLEMENT
 Type=RESTRAINT DISPLACEMENT
 Add=233 Uz=-0.010
 Add=234 Uz=-0.010
 Add=260 Uz=-0.010
 Add=261 Uz=-0.010

Name=-P1 : UNEQUAL SETTLEMENT
 Type=RESTRAINT DISPLACEMENT
 Add=236 Uz=-0.010
 Add=237 Uz=-0.010
 Add=263 Uz=-0.010
 Add=264 Uz=-0.010

Name=-P2 : UNEQUAL SETTLEMENT
 Type=RESTRAINT DISPLACEMENT
 Add=239 Uz=-0.010
 Add=240 Uz=-0.010
 Add=266 Uz=-0.010
 Add=267 Uz=-0.010

Name=-P3 : UNEQUAL SETTLEMENT
 Type=RESTRAINT DISPLACEMENT
 Add=242 Uz=-0.010
 Add=243 Uz=-0.010
 Add=269 Uz=-0.010
 Add=270 Uz=-0.010

Name=-P4 : UNEQUAL SETTLEMENT
 Type=RESTRAINT DISPLACEMENT
 Add=245 Uz=-0.010
 Add=246 Uz=-0.010
 Add=272 Uz=-0.010
 Add=273 Uz=-0.010

Name=-P5 : UNEQUAL SETTLEMENT
 Type=RESTRAINT DISPLACEMENT
 Add=248 Uz=-0.010
 Add=249 Uz=-0.010
 Add=275 Uz=-0.010
 Add=276 Uz=-0.010

Name=-P6 : UNEQUAL SETTLEMENT
 Type=RESTRAINT DISPLACEMENT
 Add=251 Uz=-0.010
 Add=252 Uz=-0.010
 Add=278 Uz=-0.010
 Add=279 Uz=-0.010

Name=-P7 : UNEQUAL SETTLEMENT
 Type=RESTRAINT DISPLACEMENT
 Add=254 Uz=-0.010
 Add=255 Uz=-0.010
 Add=281 Uz=-0.010
 Add=282 Uz=-0.010

Name=-A2 : UNEQUAL SETTLEMENT
 Type=RESTRAINT DISPLACEMENT
 Add=257 Uz=-0.010
 Add=258 Uz=-0.010
 Add=284 Uz=-0.010
 Add=285 Uz=-0.010

Name=-2N+1- : UNEQUAL SETTLEMENT
 Type=RESTRAINT DISPLACEMENT
 Add=233 Uz=-0.010

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Add=234 Uz=-0.010
 Add=260 Uz=-0.010
 Add=261 Uz=-0.010
 Add=239 Uz=-0.010
 Add=240 Uz=-0.010
 Add=266 Uz=-0.010
 Add=267 Uz=-0.010
 Add=245 Uz=-0.010
 Add=246 Uz=-0.010
 Add=272 Uz=-0.010
 Add=273 Uz=-0.010
 Add=251 Uz=-0.010
 Add=252 Uz=-0.010
 Add=278 Uz=-0.010
 Add=279 Uz=-0.010
 Add=257 Uz=-0.010
 Add=258 Uz=-0.010
 Add=284 Uz=-0.010
 Add=285 Uz=-0.010

Name=-2N+2- : UNEQUAL SETTLEMENT
 Type=RESTRAINT DISPLACEMENT
 Add=236 Uz=-0.010
 Add=237 Uz=-0.010
 Add=263 Uz=-0.010
 Add=264 Uz=-0.010
 Add=242 Uz=-0.010
 Add=243 Uz=-0.010
 Add=269 Uz=-0.010
 Add=270 Uz=-0.010
 Add=248 Uz=-0.010
 Add=249 Uz=-0.010
 Add=275 Uz=-0.010
 Add=276 Uz=-0.010
 Add=254 Uz=-0.010
 Add=255 Uz=-0.010
 Add=281 Uz=-0.010
 Add=282 Uz=-0.010

COMBO
 Name=SETTLE Type=ENVE :
 LOAD=-A1 sf=1.000
 LOAD=-P1 sf=1.000
 LOAD=-P2 sf=1.000
 LOAD=-P3 sf=1.000
 LOAD=-P4 sf=1.000
 LOAD=-P5 sf=1.000
 LOAD=-P6 sf=1.000
 LOAD=-P7 sf=1.000
 LOAD=-A2 sf=1.000
 LOAD=-2N+1- sf=1.000
 LOAD=-2N+2- sf=1.000

OUTPUT
 ELEM=JOINT TYPE=DISP,REAC LOAD=+ COMB=+
 ELEM=FRAME TYPE=FORCE LOAD=+ COMB=+

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