1. 구조해석 입력자료 (INPUT)

```
*VERSION
   8.4.5
*UNIT     ; Unit System
; FORCE, LENGTH, HEAT, TEMPER
   KN    , M, KCAL, C
*STRUCTYPE     ; Structure Type
; iSTYP, iMASS, iSMAS, bMASSOFFSET, bSELFWEIGHT,
GRAV, TEMPER, bALIGNBEAM, bALIGNSLAB, bROTRIGID
      0, 1, 1, NO, YES, 9.806, 0, NO, NO, NO
*REBAR-MATL-CODE     ; Rebar Material Code
; CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
 KS01-Civil(RC), SD300, KS01-Civil(RC), SD300
*NODE     ; Nodes
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602, 174.95, -11.25, 0
603, 171.4, -11.25, 0
604, 171, -11.25, 0
605, 169.95, -11.25, 0
606, 164.95, -11.25, 0
607, 159.95, -11.25, 0
608, 158.9, -11.25, 0
609, 158.5, -11.25, 0
610, 154.95, -11.25, 0
611, 152.45, -11.25, 0
612, 149.95, -11.25, 0
613, 146.4, -11.25, 0
614, 146, -11.25, 0
615, 144.95, -11.25, 0
616, 140.95, -11.25, 0
*ELEMENT ; Elements
; iEL, TYPE, iMAT, iPRO, iN1, iN2, ANGLE, iSUB, EXVAL,
iOPT(EXVAL2) ; Frame Element
; iEL, TYPE, iMAT, iPRO, iN1, iN2, ANGLE, iSUB, EXVAL,
EXVAL2, bLMT ; Comp/Tens Truss
; iEL, TYPE, iMAT, iPRO, iN1, iN2, iN3, iN4, iSUB, iWID ,
LCAXIS ; Planar Element
; iEL, TYPE, iMAT, iPRO, iN1, iN2, iN3, iN4, iN5, iN6, iN7,
iN8 ; Solid Element
1, BEAM , 1, 22, 1, 2, 0, 0
2, BEAM , 1, 22, 2, 3, 0, 0
3, BEAM , 1, 22, 3, 4, 0, 0
4, BEAM , 1, 21, 4, 5, 0, 0
5, BEAM , 1, 17, 5, 6, 0, 0
6, BEAM , 1, 17, 6, 7, 0, 0
7, BEAM , 1, 75, 7, 8, 0, 0
8, BEAM , 1, 76, 8, 9, 0, 0
9, BEAM , 1, 74, 9, 10, 0, 0
10, BEAM , 1, 78, 10, 11, 0, 0
11, BEAM , 1, 79, 11, 12, 0, 0
12, BEAM , 1, 80, 12, 13, 0, 0
13, BEAM , 1, 81, 13, 18, 0, 0
14, BEAM , 1, 82, 18, 14, 0, 0
15, BEAM , 1, 83, 14, 15, 0, 0
16, BEAM , 1, 84, 15, 16, 0, 0
17, BEAM , 1, 1, 16, 17, 0, 0
18, BEAM , 1, 1, 17, 32, 0, 0
19, BEAM , 1, 24, 32, 33, 0, 0
20, BEAM , 1, 25, 33, 34, 0, 0
21, BEAM , 1, 26, 34, 35, 0, 0
22, BEAM , 1, 27, 35, 36, 0, 0
23, BEAM , 1, 28, 36, 37, 0, 0
24, BEAM , 1, 29, 37, 38, 0, 0
25, BEAM , 1, 30, 38, 39, 0, 0
26, BEAM , 1, 31, 39, 40, 0, 0
27, BEAM , 1, 85, 40, 41, 0, 0
28, BEAM , 1, 77, 41, 19, 0, 0
29, BEAM , 1, 75, 19, 31, 0, 0
30, BEAM , 1, 76, 31, 21, 0, 0
31, BEAM , 1, 74, 21, 22, 0, 0
32, BEAM , 1, 78, 22, 23, 0, 0
33, BEAM , 1, 79, 23, 24, 0, 0
34, BEAM , 1, 80, 24, 25, 0, 0
35, BEAM , 1, 81, 25, 26, 0, 0
36, BEAM , 1, 82, 26, 27, 0, 0
37, BEAM , 1, 83, 27, 28, 0, 0
38, BEAM , 1, 84, 28, 29, 0, 0
39, BEAM , 1, 1, 29, 30, 0, 0
40, BEAM , 1, 1, 30, 42, 0, 0
41, BEAM , 1, 24, 42, 43, 0, 0
42, BEAM , 1, 25, 43, 44, 0, 0
43, BEAM , 1, 26, 44, 45, 0, 0
44, BEAM , 1, 27, 45, 46, 0, 0
45, BEAM , 1, 28, 46, 47, 0, 0
46, BEAM , 1, 29, 47, 48, 0, 0
47, BEAM , 1, 30, 48, 49, 0, 0
48, BEAM , 1, 31, 49, 50, 0, 0
49, BEAM , 1, 85, 50, 51, 0, 0
50, BEAM , 1, 77, 51, 52, 0, 0
51, BEAM , 1, 75, 52, 53, 0, 0
52, BEAM , 1, 76, 53, 54, 0, 0
53, BEAM , 1, 74, 54, 55, 0, 0
54, BEAM , 1, 78, 55, 56, 0, 0
55, BEAM , 1, 79, 56, 57, 0, 0
56, BEAM , 1, 80, 57, 58, 0, 0
57, BEAM , 1, 81, 58, 59, 0, 0
58, BEAM , 1, 82, 59, 60, 0, 0
59, BEAM , 1, 83, 60, 61, 0, 0
60, BEAM , 1, 84, 61, 62, 0, 0
61, BEAM , 1, 1, 62, 63, 0, 0
62, BEAM , 1, 22, 64, 65, 0, 0
63, BEAM , 1, 22, 65, 66, 0, 0
64, BEAM , 1, 22, 66, 67, 0, 0
65, BEAM , 1, 21, 67, 68, 0, 0
66, BEAM , 1, 17, 68, 69, 0, 0
67, BEAM , 1, 17, 69, 70, 0, 0
68, BEAM , 1, 75, 70, 71, 0, 0
69, BEAM , 1, 76, 71, 72, 0, 0
70, BEAM , 1, 74, 72, 73, 0, 0
71, BEAM , 1, 78, 73, 74, 0, 0
72, BEAM , 1, 79, 74, 75, 0, 0
73, BEAM , 1, 80, 75, 76, 0, 0
74, BEAM , 1, 81, 76, 77, 0, 0
75, BEAM , 1, 82, 77, 78, 0, 0
76, BEAM , 1, 83, 78, 79, 0, 0
77, BEAM , 1, 84, 79, 80, 0, 0
78, BEAM , 1, 1, 80, 81, 0, 0
79, BEAM , 1, 1, 81, 82, 0, 0
80, BEAM , 1, 24, 82, 83, 0, 0
81, BEAM , 1, 25, 83, 84, 0, 0
82, BEAM , 1, 26, 84, 85, 0, 0
83, BEAM , 1, 27, 85, 86, 0, 0
84, BEAM , 1, 28, 86, 87, 0, 0
85, BEAM , 1, 29, 87, 88, 0, 0
86, BEAM , 1, 30, 88, 89, 0, 0
87, BEAM , 1, 31, 89, 90, 0, 0
88, BEAM , 1, 85, 90, 91, 0, 0
89, BEAM , 1, 77, 91, 92, 0, 0
90, BEAM , 1, 75, 92, 93, 0, 0
91, BEAM , 1, 76, 93, 94, 0, 0
92, BEAM , 1, 74, 94, 95, 0, 0
93, BEAM , 1, 78, 95, 96, 0, 0
94, BEAM , 1, 79, 96, 97, 0, 0
95, BEAM , 1, 80, 97, 98, 0, 0
96, BEAM , 1, 81, 98, 99, 0, 0
97, BEAM , 1, 82, 99, 100, 0, 0
98, BEAM , 1, 83, 100, 101, 0, 0
99, BEAM , 1, 84, 101, 102, 0, 0
100, BEAM , 1, 1, 102, 103, 0, 0
101, BEAM , 1, 1, 103, 104, 0, 0
102, BEAM , 1, 24, 104, 105, 0, 0
103, BEAM , 1, 25, 105, 106, 0, 0
104, BEAM , 1, 26, 106, 107, 0, 0
105, BEAM , 1, 27, 107, 108, 0, 0
106, BEAM , 1, 28, 108, 109, 0, 0
107, BEAM , 1, 29, 109, 110, 0, 0
108, BEAM , 1, 30, 110, 111, 0, 0
109, BEAM , 1, 31, 111, 112, 0, 0
110, BEAM , 1, 85, 112, 113, 0, 0
111, BEAM , 1, 77, 113, 114, 0, 0
112, BEAM , 1, 75, 114, 115, 0, 0
113, BEAM , 1, 76, 115, 116, 0, 0
114, BEAM , 1, 74, 116, 117, 0, 0
115, BEAM , 1, 78, 117, 118, 0, 0
116, BEAM , 1, 79, 118, 119, 0, 0
117, BEAM , 1, 80, 119, 120, 0, 0
118, BEAM , 1, 81, 120, 121, 0, 0
119, BEAM , 1, 82, 121, 122, 0, 0
120, BEAM , 1, 83, 122, 123, 0, 0
121, BEAM , 1, 84, 123, 124, 0, 0
122, BEAM , 1, 1, 124, 63, 0, 0
123, BEAM , 1, 22, 125, 126, 0, 0
124, BEAM , 1, 22, 126, 127, 0, 0
125, BEAM , 1, 22, 127, 128, 0, 0
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127, BEAM , 1, 17, 129, 130, 0, 0
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130, BEAM , 1, 76, 132, 133, 0, 0
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135, BEAM , 1, 81, 137, 138, 0, 0
136, BEAM , 1, 82, 138, 139, 0, 0
137, BEAM , 1, 83, 139, 140, 0, 0
138, BEAM , 1, 84, 140, 141, 0, 0
139, BEAM , 1, 1, 141, 142, 0, 0
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141, BEAM , 1, 24, 143, 144, 0, 0
142, BEAM , 1, 25, 144, 145, 0, 0
143, BEAM , 1, 26, 145, 146, 0, 0
144, BEAM , 1, 27, 146, 147, 0, 0
145, BEAM , 1, 28, 147, 148, 0, 0
146, BEAM , 1, 29, 148, 149, 0, 0
147, BEAM , 1, 30, 149, 150, 0, 0
148, BEAM , 1, 31, 150, 151, 0, 0
149, BEAM , 1, 85, 151, 152, 0, 0
150, BEAM , 1, 77, 152, 153, 0, 0
151, BEAM , 1, 75, 153, 154, 0, 0
152, BEAM , 1, 76, 154, 155, 0, 0
153, BEAM , 1, 74, 155, 156, 0, 0
154, BEAM , 1, 78, 156, 157, 0, 0
155, BEAM , 1, 79, 157, 158, 0, 0
156, BEAM , 1, 80, 158, 159, 0, 0
157, BEAM , 1, 81, 159, 160, 0, 0
158, BEAM , 1, 82, 160, 161, 0, 0
159, BEAM , 1, 83, 161, 162, 0, 0
160, BEAM , 1, 84, 162, 163, 0, 0
161, BEAM , 1, 1, 163, 164, 0, 0
162, BEAM , 1, 1, 164, 165, 0, 0
163, BEAM , 1, 24, 165, 166, 0, 0
164, BEAM , 1, 25, 166, 167, 0, 0
165, BEAM , 1, 26, 167, 168, 0, 0
166, BEAM , 1, 27, 168, 169, 0, 0
167, BEAM , 1, 28, 169, 170, 0, 0
168, BEAM , 1, 29, 170, 171, 0, 0
169, BEAM , 1, 30, 171, 172, 0, 0
170, BEAM , 1, 31, 172, 173, 0, 0
171, BEAM , 1, 85, 173, 174, 0, 0
172, BEAM , 1, 77, 174, 175, 0, 0
173, BEAM , 1, 75, 175, 176, 0, 0
174, BEAM , 1, 76, 176, 177, 0, 0
175, BEAM , 1, 74, 177, 178, 0, 0
176, BEAM , 1, 78, 178, 179, 0, 0
177, BEAM , 1, 79, 179, 180, 0, 0
178, BEAM , 1, 80, 180, 181, 0, 0
179, BEAM , 1, 81, 181, 182, 0, 0
180, BEAM , 1, 82, 182, 183, 0, 0
181, BEAM , 1, 83, 183, 184, 0, 0
182, BEAM , 1, 84, 184, 185, 0, 0
183, BEAM , 1, 1, 185, 186, 0, 0
184, BEAM , 1, 22, 187, 188, 0, 0
185, BEAM , 1, 22, 188, 189, 0, 0
186, BEAM , 1, 22, 189, 190, 0, 0
187, BEAM , 1, 21, 190, 191, 0, 0
188, BEAM , 1, 17, 191, 192, 0, 0
189, BEAM , 1, 17, 192, 193, 0, 0
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190,	BEAM ,	1,	75,	193,	194,	0,	0
191,	BEAM ,	1,	76,	194,	195,	0,	0
192,	BEAM ,	1,	74,	195,	196,	0,	0
193,	BEAM ,	1,	78,	196,	197,	0,	0
194,	BEAM ,	1,	79,	197,	198,	0,	0
195,	BEAM ,	1,	80,	198,	199,	0,	0
196,	BEAM ,	1,	81,	199,	200,	0,	0
197,	BEAM ,	1,	82,	200,	201,	0,	0
198,	BEAM ,	1,	83,	201,	202,	0,	0
199,	BEAM ,	1,	84,	202,	203,	0,	0
200,	BEAM ,	1,	1,	203,	204,	0,	0
201,	BEAM ,	1,	1,	204,	205,	0,	0
202,	BEAM ,	1,	24,	205,	206,	0,	0
203,	BEAM ,	1,	25,	206,	207,	0,	0
204,	BEAM ,	1,	26,	207,	208,	0,	0
205,	BEAM ,	1,	27,	208,	209,	0,	0
206,	BEAM ,	1,	28,	209,	210,	0,	0
207,	BEAM ,	1,	29,	210,	211,	0,	0
208,	BEAM ,	1,	30,	211,	212,	0,	0
209,	BEAM ,	1,	31,	212,	213,	0,	0
210,	BEAM ,	1,	85,	213,	214,	0,	0
211,	BEAM ,	1,	77,	214,	215,	0,	0
212,	BEAM ,	1,	75,	215,	216,	0,	0
213,	BEAM ,	1,	76,	216,	217,	0,	0
214,	BEAM ,	1,	74,	217,	218,	0,	0
215,	BEAM ,	1,	78,	218,	219,	0,	0
216,	BEAM ,	1,	79,	219,	220,	0,	0
217,	BEAM ,	1,	80,	220,	221,	0,	0
218,	BEAM ,	1,	81,	221,	222,	0,	0
219,	BEAM ,	1,	82,	222,	223,	0,	0
220,	BEAM ,	1,	83,	223,	224,	0,	0
221,	BEAM ,	1,	84,	224,	225,	0,	0
222,	BEAM ,	1,	1,	225,	226,	0,	0
223,	BEAM ,	1,	1,	226,	227,	0,	0
224,	BEAM ,	1,	24,	227,	228,	0,	0
225,	BEAM ,	1,	25,	228,	229,	0,	0
226,	BEAM ,	1,	26,	229,	230,	0,	0
227,	BEAM ,	1,	27,	230,	231,	0,	0
228,	BEAM ,	1,	28,	231,	232,	0,	0
229,	BEAM ,	1,	29,	232,	233,	0,	0
230,	BEAM ,	1,	30,	233,	234,	0,	0
231,	BEAM ,	1,	31,	234,	235,	0,	0
232,	BEAM ,	1,	85,	235,	236,	0,	0
233,	BEAM ,	1,	77,	236,	237,	0,	0
234,	BEAM ,	1,	75,	237,	238,	0,	0
235,	BEAM ,	1,	76,	238,	239,	0,	0
236,	BEAM ,	1,	74,	239,	240,	0,	0
237,	BEAM ,	1,	78,	240,	241,	0,	0
238,	BEAM ,	1,	79,	241,	242,	0,	0
239,	BEAM ,	1,	80,	242,	243,	0,	0
240,	BEAM ,	1,	81,	243,	244,	0,	0
241,	BEAM ,	1,	82,	244,	245,	0,	0
242,	BEAM ,	1,	83,	245,	246,	0,	0
243,	BEAM ,	1,	84,	246,	247,	0,	0
244,	BEAM ,	1,	1,	247,	186,	0,	0
245,	BEAM ,	1,	58,	248,	249,	0,	0
246,	BEAM ,	1,	58,	249,	250,	0,	0
247,	BEAM ,	1,	58,	250,	251,	0,	0
248,	BEAM ,	1,	57,	251,	252,	0,	0
249,	BEAM ,	1,	53,	252,	253,	0,	0
250,	BEAM ,	1,	53,	253,	254,	0,	0
251,	BEAM ,	1,	95,	254,	255,	0,	0
252,	BEAM ,	1,	94,	255,	256,	0,	0
253,	BEAM ,	1,	93,	256,	257,	0,	0
254,	BEAM ,	1,	92,	257,	258,	0,	0
255,	BEAM ,	1,	91,	258,	259,	0,	0
256,	BEAM ,	1,	90,	259,	260,	0,	0
257,	BEAM ,	1,	89,	260,	261,	0,	0
258,	BEAM ,	1,	88,	261,	262,	0,	0
259,	BEAM ,	1,	87,	262,	263,	0,	0
260,	BEAM ,	1,	86,	263,	264,	0,	0
261,	BEAM ,	1,	37,	264,	265,	0,	0
262,	BEAM ,	1,	37,	265,	266,	0,	0
263,	BEAM ,	1,	59,	266,	267,	0,	0
264,	BEAM ,	1,	60,	267,	268,	0,	0
265,	BEAM ,	1,	61,	268,	269,	0,	0
266,	BEAM ,	1,	62,	269,	270,	0,	0
267,	BEAM ,	1,	63,	270,	271,	0,	0
268,	BEAM ,	1,	64,	271,	272,	0,	0
269,	BEAM ,	1,	65,	272,	273,	0,	0
270,	BEAM ,	1,	66,	273,	274,	0,	0
271,	BEAM ,	1,	97,	274,	275,	0,	0
272,	BEAM ,	1,	96,	275,	276,	0,	0
273,	BEAM ,	1,	95,	276,	277,	0,	0
274,	BEAM ,	1,	94,	277,	278,	0,	0
275,	BEAM ,	1,	93,	278,	279,	0,	0
276,	BEAM ,	1,	92,	279,	280,	0,	0
277,	BEAM ,	1,	91,	280,	281,	0,	0
278,	BEAM ,	1,	90,	281,	282,	0,	0
279,	BEAM ,	1,	89,	282,	283,	0,	0
280,	BEAM ,	1,	88,	283,	284,	0,	0
281,	BEAM ,	1,	87,	284,	285,	0,	0
282,	BEAM ,	1,	86,	285,	286,	0,	0
283,	BEAM ,	1,	37,	286,	287,	0,	0
284,	BEAM ,	1,	37,	287,	288,	0,	0
285,	BEAM ,	1,	59,	288,	289,	0,	0
286,	BEAM ,	1,	60,	289,	290,	0,	0
287,	BEAM ,	1,	61,	290,	291,	0,	0
288,	BEAM ,	1,	62,	291,	292,	0,	0
289,	BEAM ,	1,	63,	292,	293,	0,	0
290,	BEAM ,	1,	64,	293,	294,	0,	0
291,	BEAM ,	1,	65,	294,	295,	0,	0
292,	BEAM ,	1,	66,	295,	296,	0,	0
293,	BEAM ,	1,	97,	296,	297,	0,	0
294,	BEAM ,	1,	96,	297,	298,	0,	0
295,	BEAM ,	1,	95,	298,	299,	0,	0
296,	BEAM ,	1,	94,	299,	300,	0,	0
297,	BEAM ,	1,	93,	300,	301,	0,	0
298,	BEAM ,	1,	92,	301,	302,	0,	0
299,	BEAM ,	1,	91,	302,	303,	0,	0
300,	BEAM ,	1,	90,	303,	304,	0,	0
301,	BEAM ,	1,	89,	304,	305,	0,	0
302,	BEAM ,	1,	88,	305,	306,	0,	0
303,	BEAM ,	1,	87,	306,	307,	0,	0
304,	BEAM ,	1,	86,	307,	308,	0,	0
305,	BEAM ,	1,	37,	308,	309,	0,	0
306,	BEAM ,	1,	37,	327,	328,	0,	0
307,	BEAM ,	1,	59,	328,	329,	0,	0
308,	BEAM ,	1,	60,	329,	330,	0,	0
309,	BEAM ,	1,	61,	330,	331,	0,	0
310,	BEAM ,	1,	62,	331,	332,	0,	0
311,	BEAM ,	1,	63,	332,	333,	0,	0
312,	BEAM ,	1,	64,	333,	334,	0,	0
313,	BEAM ,	1,	65,	334,	335,	0,	0
314,	BEAM ,	1,	66,	335,	336,	0,	0
315,	BEAM ,	1,	97,	336,	337,	0,	0
316,	BEAM ,	1,	96,	337,	338,	0,	0
317,	BEAM ,	1,	95,	338,	339,	0,	0
318,	BEAM ,	1,	94,	339,	340,	0,	0
319,	BEAM ,	1,	93,	340,	341,	0,	0
320,	BEAM ,	1,	92,	341,	342,	0,	0
321,	BEAM ,	1,	91,	342,	343,	0,	0
322,	BEAM ,	1,	90,	343,	344,	0,	0
323,	BEAM ,	1,	89,	344,	345,	0,	0
324,	BEAM ,	1,	88,	345,	346,	0,	0
325,	BEAM ,	1,	87,	346,	347,	0,	0
326,	BEAM ,	1,	86,	347,	348,	0,	0
327,	BEAM ,	1,	37,	348,	349,	0,	0
328,	BEAM ,	1,	37,	349,	350,	0,	0
329,	BEAM ,	1,	59,	350,	351,	0,	0
330,	BEAM ,	1,	60,	351,	352,	0,	0
331,	BEAM ,	1,	61,	352,	353,	0,	0
332,	BEAM ,	1,	62,	353,	354,	0,	0
333,	BEAM ,	1,	63,	354,	355,	0,	0
334,	BEAM ,	1,	64,	355,	356,	0,	0
335,	BEAM ,	1,	65,	356,	357,	0,	0
336,	BEAM ,	1,	66,	357,	358,	0,	0
337,	BEAM ,	1,	97,	358,	359,	0,	0
338,	BEAM ,	1,	96,	359,	360,	0,	0
339,	BEAM ,	1,	95,	360,	361,	0,	0
340,	BEAM ,	1,	94,	361,	362,	0,	0
341,	BEAM ,	1,	93,	362,	363,	0,	0
342,	BEAM ,	1,	92,	363,	364,	0,	0
343,	BEAM ,	1,	91,	364,	365,	0,	0
344,	BEAM ,	1,	90,	365,	366,	0,	0
345,	BEAM ,	1,	89,	366,	367,	0,	0
346,	BEAM ,	1,	88,	367,	368,	0,	0
347,	BEAM ,	1,	87,	368,	369,	0,	0
348,	BEAM ,	1,	86,	369,	370,	0,	0
349,	BEAM ,	1,	37,	370,	309,	0,	0
350,	BEAM ,	1,	58,	310,	311,	0,	0
351,	BEAM ,	1,	58,	311,	312,	0,	0
352,	BEAM ,	1,	58,	312,	313,	0,	0
353,	BEAM ,	1,	57,	313,	314,	0,	0
354,	BEAM ,	1,	53,	314,	315,	0,	0
355,	BEAM ,	1,	53,	315,	316,	0,	0
356,	BEAM ,	1,	95,	316,	317,	0,	0
357,	BEAM ,	1,	94,	317,	318,	0,	0
358,	BEAM ,	1,	93,	318,	319,	0,	0
359,	BEAM ,	1,	92,	319,	320,	0,	0
360,	BEAM ,	1,	91,	320,	321,	0,	0
361,	BEAM ,	1,	90,	321,	322,	0,	0
362,	BEAM ,	1,	89,	322,	323,	0,	0
363,	BEAM ,	1,	88,	323,	324,	0,	0
364,	BEAM ,	1,	87,	324,	325,	0,	0
365,	BEAM ,	1,	86,	325,	326,	0,	0
366,	BEAM ,	1,	37,	326,	327,	0,	0
367,	BEAM ,	2,	73,	371,	372,	0,	0
368,	BEAM ,	2,	73,	372,	373,	0,	0
369,	BEAM ,	2,	73,	373,	374,	0,	0
370,	BEAM ,	2,	73,	374,	375,	0,	0
371,	BEAM ,	2,	73,	375,	376,	0,	0
372,	BEAM ,	2,	73,	376,	377,	0,	0
373,	BEAM ,	2,	73,	377,	378,	0,	0
374,	BEAM ,	2,	73,	378,	379,	0,	0
375,	BEAM ,	2,	73,	379,	380,	0,	0
376,	BEAM ,	2,	73,	380,	381,	0,	0
377,	BEAM ,	2,	73,	381,	382,	0,	0
378,	BEAM ,	2,	73,	382,	383,	0,	0
379,	BEAM ,	2,	73,	383,	388,	0,	0
380,	BEAM ,	2,	73,	388,	384,	0,	0
381,	BEAM ,	2,	73,	384,	385,	0,	0
382,	BEAM ,	2,	73,	385,	386,	0,	0
383,	BEAM ,	2,	73,	386,	387,	0,	0
384,	BEAM ,	2,	73,	387,	401,	0,	0
385,	BEAM ,	2,	73,	401,	402,	0,	0
386,	BEAM ,	2,	73,	402,	403,	0,	0
387,	BEAM ,	2,	73,	403,	404,	0,	0
388,	BEAM ,	2,	73,	404,	405,	0,	0
389,	BEAM ,	2,	73,	405,	406,	0,	0
390,	BEAM ,	2,	73,	406,	407,	0,	0
391,	BEAM ,	2,	73,	407,	408,	0,	0
392,	BEAM ,	2,	73,	408,	409,	0,	0
393,	BEAM ,	2,	73,	409,	410,	0,	0
394,	BEAM ,	2,	73,	410,	389,	0,	0
395,	BEAM ,	2,	73,	389,	400,	0,	0
396,	BEAM ,	2,	73,	400,	390,	0,	0
397,	BEAM ,	2,	73,	390,	391,	0,	0
398,	BEAM ,	2,	73,	391,	392,	0,	0
399,	BEAM ,	2,	73,	392,	393,	0,	0
400,	BEAM ,	2,	73,	393,	394,	0,	0
401,	BEAM ,	2,	73,	394,	395,	0,	0
402,	BEAM ,	2,	73,	395,	396,	0,	0
403,	BEAM ,	2,	73,	396,	397,	0,	0
404,	BEAM ,	2,	73,	397,	398,	0,	0
405,	BEAM ,	2,	73,	398,	399,	0,	0
406,	BEAM ,	2,	73,	399,	411,	0,	0
407,	BEAM ,	2,	73,	411,	412,	0,	0
408,	BEAM ,	2,	73,	412,	413,	0,	0
409,	BEAM ,	2,	73,	413,	414,	0,	0
410,	BEAM ,	2,	73,	414,	415,	0,	0
411,	BEAM ,	2,	73,	415,	416,	0,	0
412,	BEAM ,	2,	73,	416,	417,	0,	0
413,	BEAM ,	2,	73,	417,	418,	0,	0
414,	BEAM ,	2,	73,	418,	419,	0,	0
415,	BEAM ,	2,	73,	419,	420,	0,	0
416,	BEAM ,	2,	73,	420,	421,	0,	0
417,	BEAM ,	2,	73,	421,	422,	0,	0
418,	BEAM ,	2,	73,	422,	423,	0,	0
419,	BEAM ,	2,	73,	423,	424,	0,	0
420,	BEAM ,	2,	73,	424,	425,	0,	0
421,	BEAM ,	2,	73,	425,	426,	0,	0
422,	BEAM ,	2,	73,	426,	427,	0,	0
423,	BEAM ,	2,	73,	427,	428,	0,	0
424,	BEAM ,	2,	73,	428,	429,	0,	0
425,	BEAM ,	2,	73,	429,	430,	0,	0
426,	BEAM ,	2,	73,	430,	431,	0,	0
427,	BEAM ,	2,	73,	431,	432,	0,	0
428,	BEAM ,	2,	73,	432,	493,	0,	0
429,	BEAM ,	2,	73,	493,	492,	0,	0
430,	BEAM ,	2,	73,	492,	491,	0,	0
431,	BEAM ,	2,	73,	491,	490,	0,	0
432,	BEAM ,	2,	73,	490,	489,	0,	0
433,	BEAM ,	2,	73,	489,	488,	0,	0
434,	BEAM ,	2,	73,	488,	487,	0,	0
435,	BEAM ,	2,	73,	487,	486,	0,	0
436,	BEAM ,	2,	73,	486,	485,	0,	0
437,	BEAM ,	2,	73,	485,	484,	0,	0
438,	BEAM ,	2,	73,	484,	483,	0,	0
439,	BEAM ,	2,	73,	483,	482,	0,	0
440,	BEAM ,	2,	73,	482,	481,	0,	0
441,	BEAM ,	2,	73,	481,	480,	0,	0
442,	BEAM ,	2,	73,	480,	479,	0,	0
443,	BEAM ,	2,	73,	479,	478,	0,	0
444,	BEAM ,	2,	73,	478,	477,	0,	0
445,	BEAM ,	2,	73,	477,	476,	0,	0
446,	BEAM ,	2,	73,	476,	475,	0,	0
447,	BEAM ,	2,	73,	475,	474,	0,	0
448,	BEAM ,	2,	73,	474,	473,	0,	0
449,	BEAM ,	2,	73,	473,	472,	0,	0
450,	BEAM ,	2,	73,	472,	471,	0,	0
451,	BEAM ,	2,	73,	471,	470,	0,	0
452,	BEAM ,	2,	73,	470,	469,	0,	0
453,	BEAM ,	2,	73,	469,	468,	0,	0
454,	BEAM ,	2,	73,	468,	467,	0,	0
455,	BEAM ,	2,	73,	467,	466,	0,	0
456,	BEAM ,	2,	73,	466,	465,	0,	0
457,	BEAM ,	2,	73,	465,	464,	0,	0
458,	BEAM ,	2,	73,	464,	463,	0,	0
459,	BEAM ,	2,	73,	463,	462,	0,	0
460,	BEAM ,	2,	73,	462,	461,	0,	0
461,	BEAM ,	2,	73,	461,	460,	0,	0
462,	BEAM ,	2,	73,	460,	459,	0,	0
463,	BEAM ,	2,	73,	459,	458,	0,	0
464,	BEAM ,	2,	73,	458,	457,	0,	0
465,	BEAM ,	2,	73,	457,	456,	0,	0

466,	BEAM ,	2,	73,	456,	455,	0,	0
467,	BEAM ,	2,	73,	455,	454,	0,	0
468,	BEAM ,	2,	73,	454,	453,	0,	0
469,	BEAM ,	2,	73,	453,	452,	0,	0
470,	BEAM ,	2,	73,	452,	451,	0,	0
471,	BEAM ,	2,	73,	451,	450,	0,	0
472,	BEAM ,	2,	73,	450,	449,	0,	0
473,	BEAM ,	2,	73,	449,	448,	0,	0
474,	BEAM ,	2,	73,	448,	447,	0,	0
475,	BEAM ,	2,	73,	447,	446,	0,	0
476,	BEAM ,	2,	73,	446,	445,	0,	0
477,	BEAM ,	2,	73,	445,	444,	0,	0
478,	BEAM ,	2,	73,	444,	443,	0,	0
479,	BEAM ,	2,	73,	443,	442,	0,	0
480,	BEAM ,	2,	73,	442,	441,	0,	0
481,	BEAM ,	2,	73,	441,	440,	0,	0
482,	BEAM ,	2,	73,	440,	439,	0,	0
483,	BEAM ,	2,	73,	439,	438,	0,	0
484,	BEAM ,	2,	73,	438,	437,	0,	0
485,	BEAM ,	2,	73,	437,	436,	0,	0
486,	BEAM ,	2,	73,	436,	435,	0,	0
487,	BEAM ,	2,	73,	435,	434,	0,	0
488,	BEAM ,	2,	73,	434,	433,	0,	0
489,	BEAM ,	2,	73,	494,	495,	0,	0
490,	BEAM ,	2,	73,	495,	496,	0,	0
491,	BEAM ,	2,	73,	496,	497,	0,	0
492,	BEAM ,	2,	73,	497,	498,	0,	0
493,	BEAM ,	2,	73,	498,	499,	0,	0
494,	BEAM ,	2,	73,	499,	500,	0,	0
495,	BEAM ,	2,	73,	500,	501,	0,	0
496,	BEAM ,	2,	73,	501,	502,	0,	0
497,	BEAM ,	2,	73,	502,	503,	0,	0
498,	BEAM ,	2,	73,	503,	504,	0,	0
499,	BEAM ,	2,	73,	504,	505,	0,	0
500,	BEAM ,	2,	73,	505,	506,	0,	0
501,	BEAM ,	2,	73,	506,	507,	0,	0
502,	BEAM ,	2,	73,	507,	508,	0,	0
503,	BEAM ,	2,	73,	508,	509,	0,	0
504,	BEAM ,	2,	73,	509,	510,	0,	0
505,	BEAM ,	2,	73,	510,	511,	0,	0
506,	BEAM ,	2,	73,	511,	512,	0,	0
507,	BEAM ,	2,	73,	512,	513,	0,	0
508,	BEAM ,	2,	73,	513,	514,	0,	0
509,	BEAM ,	2,	73,	514,	515,	0,	0
510,	BEAM ,	2,	73,	515,	516,	0,	0
511,	BEAM ,	2,	73,	516,	517,	0,	0
512,	BEAM ,	2,	73,	517,	518,	0,	0
513,	BEAM ,	2,	73,	518,	519,	0,	0
514,	BEAM ,	2,	73,	519,	520,	0,	0
515,	BEAM ,	2,	73,	520,	521,	0,	0
516,	BEAM ,	2,	73,	521,	522,	0,	0
517,	BEAM ,	2,	73,	522,	523,	0,	0
518,	BEAM ,	2,	73,	523,	524,	0,	0
519,	BEAM ,	2,	73,	524,	525,	0,	0
520,	BEAM ,	2,	73,	525,	526,	0,	0
521,	BEAM ,	2,	73,	526,	527,	0,	0
522,	BEAM ,	2,	73,	527,	528,	0,	0
523,	BEAM ,	2,	73,	528,	529,	0,	0
524,	BEAM ,	2,	73,	529,	530,	0,	0
525,	BEAM ,	2,	73,	530,	531,	0,	0
526,	BEAM ,	2,	73,	531,	532,	0,	0
527,	BEAM ,	2,	73,	532,	533,	0,	0
528,	BEAM ,	2,	73,	533,	534,	0,	0
529,	BEAM ,	2,	73,	534,	535,	0,	0
530,	BEAM ,	2,	73,	535,	536,	0,	0
531,	BEAM ,	2,	73,	536,	537,	0,	0
532,	BEAM ,	2,	73,	537,	538,	0,	0
533,	BEAM ,	2,	73,	538,	539,	0,	0
534,	BEAM ,	2,	73,	539,	540,	0,	0
535,	BEAM ,	2,	73,	540,	541,	0,	0
536,	BEAM ,	2,	73,	541,	542,	0,	0
537,	BEAM ,	2,	73,	542,	543,	0,	0
538,	BEAM ,	2,	73,	543,	544,	0,	0
539,	BEAM ,	2,	73,	544,	545,	0,	0
540,	BEAM ,	2,	73,	545,	546,	0,	0
541,	BEAM ,	2,	73,	546,	547,	0,	0
542,	BEAM ,	2,	73,	547,	548,	0,	0
543,	BEAM ,	2,	73,	548,	549,	0,	0
544,	BEAM ,	2,	73,	549,	550,	0,	0
545,	BEAM ,	2,	73,	550,	551,	0,	0
546,	BEAM ,	2,	73,	551,	552,	0,	0
547,	BEAM ,	2,	73,	552,	553,	0,	0
548,	BEAM ,	2,	73,	553,	554,	0,	0
549,	BEAM ,	2,	73,	554,	555,	0,	0
550,	BEAM ,	2,	73,	555,	616,	0,	0
551,	BEAM ,	2,	73,	616,	615,	0,	0
552,	BEAM ,	2,	73,	615,	614,	0,	0
553,	BEAM ,	2,	73,	614,	613,	0,	0
554,	BEAM ,	2,	73,	613,	612,	0,	0
555,	BEAM ,	2,	73,	612,	611,	0,	0
556,	BEAM ,	2,	73,	611,	610,	0,	0
557,	BEAM ,	2,	73,	610,	609,	0,	0
558,	BEAM ,	2,	73,	609,	608,	0,	0
559,	BEAM ,	2,	73,	608,	607,	0,	0
560,	BEAM ,	2,	73,	607,	606,	0,	0
561,	BEAM ,	2,	73,	606,	605,	0,	0
562,	BEAM ,	2,	73,	605,	604,	0,	0
563,	BEAM ,	2,	73,	604,	603,	0,	0
564,	BEAM ,	2,	73,	603,	602,	0,	0
565,	BEAM ,	2,	73,	602,	601,	0,	0
566,	BEAM ,	2,	73,	601,	600,	0,	0
567,	BEAM ,	2,	73,	600,	599,	0,	0
568,	BEAM ,	2,	73,	599,	598,	0,	0
569,	BEAM ,	2,	73,	598,	597,	0,	0
570,	BEAM ,	2,	73,	597,	596,	0,	0
571,	BEAM ,	2,	73,	596,	595,	0,	0
572,	BEAM ,	2,	73,	595,	594,	0,	0
573,	BEAM ,	2,	73,	594,	593,	0,	0
574,	BEAM ,	2,	73,	593,	592,	0,	0
575,	BEAM ,	2,	73,	592,	591,	0,	0
576,	BEAM ,	2,	73,	591,	590,	0,	0
577,	BEAM ,	2,	73,	590,	589,	0,	0
578,	BEAM ,	2,	73,	589,	588,	0,	0
579,	BEAM ,	2,	73,	588,	587,	0,	0
580,	BEAM ,	2,	73,	587,	586,	0,	0
581,	BEAM ,	2,	73,	586,	585,	0,	0
582,	BEAM ,	2,	73,	585,	584,	0,	0
583,	BEAM ,	2,	73,	584,	583,	0,	0
584,	BEAM ,	2,	73,	583,	582,	0,	0
585,	BEAM ,	2,	73,	582,	581,	0,	0
586,	BEAM ,	2,	73,	581,	580,	0,	0
587,	BEAM ,	2,	73,	580,	579,	0,	0
588,	BEAM ,	2,	73,	579,	578,	0,	0
589,	BEAM ,	2,	73,	578,	577,	0,	0
590,	BEAM ,	2,	73,	577,	576,	0,	0
591,	BEAM ,	2,	73,	576,	575,	0,	0
592,	BEAM ,	2,	73,	575,	574,	0,	0
593,	BEAM ,	2,	73,	574,	573,	0,	0
594,	BEAM ,	2,	73,	573,	572,	0,	0
595,	BEAM ,	2,	73,	572,	571,	0,	0
596,	BEAM ,	2,	73,	571,	570,	0,	0
597,	BEAM ,	2,	73,	570,	569,	0,	0
598,	BEAM ,	2,	73,	569,	568,	0,	0
599,	BEAM ,	2,	73,	568,	567,	0,	0
600,	BEAM ,	2,	73,	567,	566,	0,	0
601,	BEAM ,	2,	73,	566,	565,	0,	0
602,	BEAM ,	2,	73,	565,	564,	0,	0
603,	BEAM ,	2,	73,	564,	563,	0,	0
604,	BEAM ,	2,	73,	563,	562,	0,	0
605,	BEAM ,	2,	73,	562,	561,	0,	0
606,	BEAM ,	2,	73,	561,	560,	0,	0
607,	BEAM ,	2,	73,	560,	559,	0,	0
608,	BEAM ,	2,	73,	559,	558,	0,	0
609,	BEAM ,	2,	73,	558,	557,	0,	0
610,	BEAM ,	2,	73,	557,	556,	0,	0
611,	BEAM ,	2,	72,	2,	372,	0,	0
612,	BEAM ,	2,	72,	372,	249,	0,	0
613,	BEAM ,	2,	72,	249,	495,	0,	0
614,	BEAM ,	2,	72,	495,	126,	0,	0
615,	BEAM ,	2,	72,	65,	434,	0,	0
616,	BEAM ,	2,	72,	434,	311,	0,	0
617,	BEAM ,	2,	72,	311,	557,	0,	0
618,	BEAM ,	2,	72,	557,	188,	0,	0
619,	BEAM ,	2,	71,	3,	373,	0,	0
620,	BEAM ,	2,	71,	373,	250,	0,	0
621,	BEAM ,	2,	71,	250,	496,	0,	0
622,	BEAM ,	2,	71,	496,	127,	0,	0
623,	BEAM ,	2,	71,	6,	376,	0,	0
624,	BEAM ,	2,	71,	376,	253,	0,	0
625,	BEAM ,	2,	71,	253,	499,	0,	0
626,	BEAM ,	2,	71,	499,	130,	0,	0
627,	BEAM ,	2,	71,	7,	377,	0,	0
628,	BEAM ,	2,	71,	377,	254,	0,	0
629,	BEAM ,	2,	71,	254,	500,	0,	0
630,	BEAM ,	2,	71,	500,	131,	0,	0
631,	BEAM ,	2,	71,	8,	378,	0,	0
632,	BEAM ,	2,	71,	378,	255,	0,	0
633,	BEAM ,	2,	71,	255,	501,	0,	0
634,	BEAM ,	2,	71,	501,	132,	0,	0
635,	BEAM ,	2,	71,	11,	381,	0,	0
636,	BEAM ,	2,	71,	381,	258,	0,	0
637,	BEAM ,	2,	71,	258,	504,	0,	0
638,	BEAM ,	2,	71,	504,	135,	0,	0
639,	BEAM ,	2,	71,	13,	383,	0,	0
640,	BEAM ,	2,	71,	383,	260,	0,	0
641,	BEAM ,	2,	71,	260,	506,	0,	0
642,	BEAM ,	2,	71,	506,	137,	0,	0
643,	BEAM ,	2,	71,	15,	385,	0,	0
644,	BEAM ,	2,	71,	385,	263,	0,	0
645,	BEAM ,	2,	71,	263,	509,	0,	0
646,	BEAM ,	2,	71,	509,	140,	0,	0
647,	BEAM ,	2,	71,	17,	387,	0,	0
648,	BEAM ,	2,	71,	387,	265,	0,	0
649,	BEAM ,	2,	71,	265,	511,	0,	0
650,	BEAM ,	2,	71,	511,	142,	0,	0
651,	BEAM ,	2,	71,	33,	402,	0,	0
652,	BEAM ,	2,	71,	402,	267,	0,	0
653,	BEAM ,	2,	71,	267,	513,	0,	0
654,	BEAM ,	2,	71,	513,	144,	0,	0
655,	BEAM ,	2,	71,	36,	405,	0,	0
656,	BEAM ,	2,	71,	405,	270,	0,	0
657,	BEAM ,	2,	71,	270,	516,	0,	0
658,	BEAM ,	2,	71,	516,	147,	0,	0
659,	BEAM ,	2,	71,	38,	407,	0,	0
660,	BEAM ,	2,	71,	407,	272,	0,	0
661,	BEAM ,	2,	71,	272,	518,	0,	0
662,	BEAM ,	2,	71,	518,	149,	0,	0
663,	BEAM ,	2,	71,	41,	410,	0,	0
664,	BEAM ,	2,	71,	410,	275,	0,	0
665,	BEAM ,	2,	71,	275,	521,	0,	0
666,	BEAM ,	2,	71,	521,	152,	0,	0
667,	BEAM ,	2,	71,	19,	389,	0,	0
668,	BEAM ,	2,	71,	389,	276,	0,	0
669,	BEAM ,	2,	71,	276,	522,	0,	0
670,	BEAM ,	2,	71,	522,	153,	0,	0
671,	BEAM ,	2,	71,	31,	400,	0,	0
672,	BEAM ,	2,	71,	400,	277,	0,	0
673,	BEAM ,	2,	71,	277,	523,	0,	0
674,	BEAM ,	2,	71,	523,	154,	0,	0
675,	BEAM ,	2,	71,	23,	392,	0,	0
676,	BEAM ,	2,	71,	392,	280,	0,	0
677,	BEAM ,	2,	71,	280,	526,	0,	0
678,	BEAM ,	2,	71,	526,	157,	0,	0
679,	BEAM ,	2,	71,	25,	394,	0,	0
680,	BEAM ,	2,	71,	394,	282,	0,	0
681,	BEAM ,	2,	71,	282,	528,	0,	0
682,	BEAM ,	2,	71,	528,	159,	0,	0
683,	BEAM ,	2,	71,	28,	397,	0,	0
684,	BEAM ,	2,	71,	397,	285,	0,	0
685,	BEAM ,	2,	71,	285,	531,	0,	0
686,	BEAM ,	2,	71,	531,	162,	0,	0
687,	BEAM ,	2,	71,	30,	399,	0,	0
688,	BEAM ,	2,	71,	399,	287,	0,	0
689,	BEAM ,	2,	71,	287,	533,	0,	0
690,	BEAM ,	2,	71,	533,	164,	0,	0
691,	BEAM ,	2,	71,	43,	412,	0,	0
692,	BEAM ,	2,	71,	412,	289,	0,	0
693,	BEAM ,	2,	71,	289,	535,	0,	0
694,	BEAM ,	2,	71,	535,	166,	0,	0
695,	BEAM ,	2,	71,	46,	415,	0,	0
696,	BEAM ,	2,	71,	415,	292,	0,	0
697,	BEAM ,	2,	71,	292,	538,	0,	0
698,	BEAM ,	2,	71,	538,	169,	0,	0
699,	BEAM ,	2,	71,	48,	417,	0,	0
700,	BEAM ,	2,	71,	417,	294,	0,	0
701,	BEAM ,	2,	71,	294,	540,	0,	0
702,	BEAM ,	2,	71,	540,	171,	0,	0
703,	BEAM ,	2,	71,	51,	420,	0,	0
704,	BEAM ,	2,	71,	420,	297,	0,	0
705,	BEAM ,	2,	71,	297,	543,	0,	0
706,	BEAM ,	2,	71,	543,	174,	0,	0
707,	BEAM ,	2,	71,	52,	421,	0,	0
708,	BEAM ,	2,	71,	421,	298,	0,	0
709,	BEAM ,	2,	71,	298,	544,	0,	0
710,	BEAM ,	2,	71,	544,	175,	0,	0
711,	BEAM ,	2,	71,	53,	422,	0,	0
712,	BEAM ,	2,	71,	422,	299,	0,	0
713,	BEAM ,	2,	71,	299,	545,	0,	0
714,	BEAM ,	2,	71,	545,	176,	0,	0
715,	BEAM ,	2,	71,	56,	425,	0,	0
716,	BEAM ,	2,	71,	425,	302,	0,	0
717,	BEAM ,	2,	71,	302,	548,	0,	0
718,	BEAM ,	2,	71,	548,	179,	0,	0
719,	BEAM ,	2,	71,	58,	427,	0,	0
720,	BEAM ,	2,	71,	427,	304,	0,	0
721,	BEAM ,	2,	71,	304,	550,	0,	0
722,	BEAM ,	2,	71,	550,	181,	0,	0
723,	BEAM ,	2,	71,	61,	430,	0,	0
724,	BEAM ,	2,	71,	430,	307,	0,	0
725,	BEAM ,	2,	71,	307,	553,	0,	0
726,	BEAM ,	2,	71,	553,	184,	0,	0
727,	BEAM ,	2,	71,	63,	432,	0,	0
728,	BEAM ,	2,	71,	432,	309,	0,	0
729,	BEAM ,	2,	71,	309,	555,	0,	0
730,	BEAM ,	2,	71,	555,	186,	0,	0
731,	BEAM ,	2,	71,	123,	492,	0,	0
732,	BEAM ,	2,	71,	492,	369,	0,	0
733,	BEAM ,	2,	71,	369,	615,	0,	0
734,	BEAM ,	2,	71,	615,	246,	0,	0
735,	BEAM ,	2,	71,	120,	489,	0,	0
736,	BEAM ,	2,	71,	489,	366,	0,	0
737,	BEAM ,	2,	71,	366,	612,	0,	0
738,	BEAM ,	2,	71,	612,	243,	0,	0
739,	BEAM ,	2,	71,	118,	487,	0,	0
740,	BEAM ,	2,	71,	487,	364,	0,	0
741,	BEAM ,	2,	71,	364,	610,	0,	0

742, BEAM , 2, 71, 610, 241, 0, 0
743, BEAM , 2, 71, 115, 484, 0, 0
744, BEAM , 2, 71, 484, 361, 0, 0
745, BEAM , 2, 71, 361, 607, 0, 0
746, BEAM , 2, 71, 607, 238, 0, 0
747, BEAM , 2, 71, 114, 483, 0, 0
748, BEAM , 2, 71, 483, 360, 0, 0
749, BEAM , 2, 71, 360, 606, 0, 0
750, BEAM , 2, 71, 606, 237, 0, 0
751, BEAM , 2, 71, 113, 482, 0, 0
752, BEAM , 2, 71, 482, 359, 0, 0
753, BEAM , 2, 71, 359, 605, 0, 0
754, BEAM , 2, 71, 605, 236, 0, 0
755, BEAM , 2, 71, 110, 479, 0, 0
756, BEAM , 2, 71, 479, 356, 0, 0
757, BEAM , 2, 71, 356, 602, 0, 0
758, BEAM , 2, 71, 602, 233, 0, 0
759, BEAM , 2, 71, 108, 477, 0, 0
760, BEAM , 2, 71, 477, 354, 0, 0
761, BEAM , 2, 71, 354, 600, 0, 0
762, BEAM , 2, 71, 600, 231, 0, 0
763, BEAM , 2, 71, 105, 474, 0, 0
764, BEAM , 2, 71, 474, 351, 0, 0
765, BEAM , 2, 71, 351, 597, 0, 0
766, BEAM , 2, 71, 597, 228, 0, 0
767, BEAM , 2, 71, 103, 472, 0, 0
768, BEAM , 2, 71, 472, 349, 0, 0
769, BEAM , 2, 71, 349, 595, 0, 0
770, BEAM , 2, 71, 595, 226, 0, 0
771, BEAM , 2, 71, 101, 470, 0, 0
772, BEAM , 2, 71, 470, 347, 0, 0
773, BEAM , 2, 71, 347, 593, 0, 0
774, BEAM , 2, 71, 593, 224, 0, 0
775, BEAM , 2, 71, 98, 467, 0, 0
776, BEAM , 2, 71, 467, 344, 0, 0
777, BEAM , 2, 71, 344, 590, 0, 0
778, BEAM , 2, 71, 590, 221, 0, 0
779, BEAM , 2, 71, 96, 465, 0, 0
780, BEAM , 2, 71, 465, 342, 0, 0
781, BEAM , 2, 71, 342, 588, 0, 0
782, BEAM , 2, 71, 588, 219, 0, 0
783, BEAM , 2, 71, 93, 462, 0, 0
784, BEAM , 2, 71, 462, 339, 0, 0
785, BEAM , 2, 71, 339, 585, 0, 0
786, BEAM , 2, 71, 585, 216, 0, 0
787, BEAM , 2, 71, 92, 461, 0, 0
788, BEAM , 2, 71, 461, 338, 0, 0
789, BEAM , 2, 71, 338, 584, 0, 0
790, BEAM , 2, 71, 584, 215, 0, 0
791, BEAM , 2, 71, 91, 460, 0, 0
792, BEAM , 2, 71, 460, 337, 0, 0
793, BEAM , 2, 71, 337, 583, 0, 0
794, BEAM , 2, 71, 583, 214, 0, 0
795, BEAM , 2, 71, 88, 457, 0, 0
796, BEAM , 2, 71, 457, 334, 0, 0
797, BEAM , 2, 71, 334, 580, 0, 0
798, BEAM , 2, 71, 580, 211, 0, 0
799, BEAM , 2, 71, 86, 455, 0, 0
800, BEAM , 2, 71, 455, 332, 0, 0
801, BEAM , 2, 71, 332, 578, 0, 0
802, BEAM , 2, 71, 578, 209, 0, 0
803, BEAM , 2, 71, 83, 452, 0, 0
804, BEAM , 2, 71, 452, 329, 0, 0
805, BEAM , 2, 71, 329, 575, 0, 0
806, BEAM , 2, 71, 575, 206, 0, 0
807, BEAM , 2, 71, 81, 450, 0, 0
808, BEAM , 2, 71, 450, 327, 0, 0
809, BEAM , 2, 71, 327, 573, 0, 0
810, BEAM , 2, 71, 573, 204, 0, 0
811, BEAM , 2, 71, 79, 448, 0, 0
812, BEAM , 2, 71, 448, 325, 0, 0
813, BEAM , 2, 71, 325, 571, 0, 0
814, BEAM , 2, 71, 571, 202, 0, 0
815, BEAM , 2, 71, 76, 445, 0, 0
816, BEAM , 2, 71, 445, 322, 0, 0
817, BEAM , 2, 71, 322, 568, 0, 0
818, BEAM , 2, 71, 568, 199, 0, 0
819, BEAM , 2, 71, 74, 443, 0, 0
820, BEAM , 2, 71, 443, 320, 0, 0
821, BEAM , 2, 71, 320, 566, 0, 0
822, BEAM , 2, 71, 566, 197, 0, 0
823, BEAM , 2, 71, 71, 440, 0, 0
824, BEAM , 2, 71, 440, 317, 0, 0
825, BEAM , 2, 71, 317, 563, 0, 0
826, BEAM , 2, 71, 563, 194, 0, 0
827, BEAM , 2, 71, 70, 439, 0, 0
828, BEAM , 2, 71, 439, 316, 0, 0
829, BEAM , 2, 71, 316, 562, 0, 0
830, BEAM , 2, 71, 562, 193, 0, 0
831, BEAM , 2, 71, 69, 438, 0, 0
832, BEAM , 2, 71, 438, 315, 0, 0
833, BEAM , 2, 71, 315, 561, 0, 0
834, BEAM , 2, 71, 561, 192, 0, 0
835, BEAM , 2, 71, 66, 435, 0, 0
836, BEAM , 2, 71, 435, 312, 0, 0
837, BEAM , 2, 71, 312, 558, 0, 0
838, BEAM , 2, 71, 558, 189, 0, 0
*MATERIAL ; Material
; iMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT, bMASS, DAMPRATIO, [DATA1] ; STEEL, CONC, USER
; iMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT, bMASS, DAMPRATIO, [DATA2], [DATA2] ; SRC
; [DATA1] : 1, DB, NAME, CODE
; [DATA1] : 2, ELAST, POISN, THERMAL, DEN, MASS
; [DATA1] : 3, Ex, Ey, Ez, Tx, Ty, Tz, Sxy, Sxz, Syz, Pxy, Pxz, Pyz, DEN, MASS ; Orthotropic
; [DATA2] : 1, DB, NAME, CODE or 2, ELAST, POISN, THERMAL, DEN, MASS
1, STEEL, SM490 , 0, 0, , C, NO, 0.02, 1, KS10-Civil(S), , SM490
2, STEEL, SM400 , 0, 0, , C, NO, 0.02, 1, KS10-Civil(S), , SM400
3, CONC , C27 , 0, 0, , C, NO, 0.05, 1, KS01-Civil(RC), KCI-2012 , C27
*MATL-COLOR
; iMAT, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R, HE_G, HE_B, bBLEND, FACT
1, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
2, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
3, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
*SECTION ; Section
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, [DATA1], [DATA2] ; 1st line - DB/USER
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, BLT, D1, ..., D8, iCEL ; 1st line - VALUE
; AREA, ASy, ASz, Ixx, Iyy, Izz ; 2nd line
; CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT, PERI_IN, Cy, Cz ; 3rd line
; Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz ; 4th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, ELAST, DEN, POIS, POIC, SF, THERMAL ; 1st line - SRC
; D1, D2, [SRC] ; 2nd line
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 1, DB, NAME1, NAME2, D1, D2 ; 1st line - COMBINED
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 2, D11, D12, D13, D14, D15, D21, D22, D23, D24
; iSEC, TYPE, SNAME, [OFFSET2], bSD, SHAPE, iyVAR, izVAR, STYPE ; 1st line - TAPERED
; DB, NAME1, NAME2 ; 2nd line(STYPE=DB)
; [DIM1], [DIM2] ; 2nd line(STYPE=USER)
; D11, D12, D13, D14, D15, D16, D17, D18 ; 2nd line(STYPE=VALUE)
; AREA1, ASy1, ASz1, Ixx1, Iyy1, Izz1 ; 3rd line(STYPE=VALUE)
; CyP1, CyM1, CzP1, CzM1, QyB1, QzB1, PERI_OUT1, PERI_IN1, Cy1, Cz1 ; 4th line(STYPE=VALUE)
; Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1, Zyy2 ; 5th line(STYPE=VALUE)
; D21, D22, D23, D24, D25, D26, D27, D28 ; 6th line(STYPE=VALUE)
; AREA2, ASy2, ASz2, Ixx2, Iyy2, Izz2 ; 7th line(STYPE=VALUE)
; CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, PERI_OUT2, PERI_IN2, Cy2, Cz2 ; 8th line(STYPE=VALUE)
; Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2, Zzz2 ; 9th line(STYPE=VALUE)
; OPT1, OPT2, [JOINT] ; 2nd line(STYPE=PSC)
; ELAST, DEN, POIS, POIC, THERMAL ; 2nd line(STYPE=PSC-CMPW)
; bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I], [WT-J], WI, WJ, bSYM, bSIDEHOLE ; 3rd line(STYPE=PSC)
; bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I], [CMPWEB-J] ; 3rd line(STYPE=PSC-CMPW)
; bUSERDEFMESHSIZE, MESHSIZE, bUSERINPSTIFF, [STIFF-I], [STIFF-J] ; 4th line(STYPE=PSC)
; [SIZE-A]-i ; 5th line(STYPE=PSC)
; [SIZE-B]-i ; 6th line(STYPE=PSC)
; [SIZE-C]-i ; 7th line(STYPE=PSC)
; [SIZE-D]-i ; 8th line(STYPE=PSC)
; [SIZE-A]-j ; 9th line(STYPE=PSC)
; [SIZE-B]-j ; 10th line(STYPE=PSC)
; [SIZE-C]-j ; 11th line(STYPE=PSC)
; [SIZE-D]-j ; 12th line(STYPE=PSC)
; GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMULTI, EsEc-L, EsEc-S ; 2nd line(STYPE=CMP-B/I)
; SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i, tf2_i ; 3rd line(STYPE=CMP-B/I)
; SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j ; 4th line(STYPE=CMP-B/I)
; N1, N2, Hr, Hr2, tr1, tr2 ; 5th line(STYPE=CMP-B)
; GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb, bSYM, SW_i, SW_j ; 2nd line(STYPE=CMP-CI/CT)
; OPT1, OPT2, [JOINT] ; 3rd line(STYPE=CMP-CI/CT)
; [SIZE-A]-i ; 4th line(STYPE=CMP-CI/CT)
; [SIZE-B]-i ; 5th line(STYPE=CMP-CI/CT)
; [SIZE-C]-i ; 6th line(STYPE=CMP-CI/CT)
; [SIZE-D]-i ; 7th line(STYPE=CMP-CI/CT)
; [SIZE-A]-j ; 8th line(STYPE=CMP-CI/CT)
; [SIZE-B]-j ; 9th line(STYPE=CMP-CI/CT)
; [SIZE-C]-j ; 10th line(STYPE=CMP-CI/CT)
; [SIZE-D]-j ; 11th line(STYPE=CMP-CI/CT)
; iSEC, TYPE, SNAME, [OFFSET], bSD, STYPE1, STYPE2 ; 1st line - CONSTRUCT
; SHAPE, ...(same with other type data from shape) ; Before (STYPE1)
; SHAPE, ...(same with other type data from shape) ; After (STYPE2)
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE ; 1st line - COMPOSITE-SB
; Hw, tw, B, Bf1, tf1, B2, Bf2, tf2 ; 2nd line
; N1, N2, Hr, Hr2, tr1, tr2 ; 3rd line
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh ; 4th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE ; 1st line - COMPOSITE-SI
; Hw, tw, B, tf1, B2, tf2 ; 2nd line
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh ; 3rd line
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE ; 1st line - COMPOSITE-CI/CT
; OPT1, OPT2, [JOINT] ; 2nd line
; [SIZE-A] ; 3rd line
; [SIZE-B] ; 4th line
; [SIZE-C] ; 5th line
; [SIZE-D] ; 6th line
; SW, GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb ; 7th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE ; 1st line - PSC
; OPT1, OPT2, [JOINT] ; 2nd line
; bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE ; 3rd line
; bUSERDEFMESHSIZE, MESHSIZE, bUSERINPSTIFF, [STIFF] ; 4th line
; [SIZE-A] ; 5th line
; [SIZE-B] ; 6th line
; [SIZE-C] ; 7th line
; [SIZE-D] ; 8th line

```
; [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10
; [DATA2] : CCSHAPE or iCEL or iN1, iN2
; [SRC]  : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, iN1, iN2
; [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8
; [OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT, VUSER
; [OFFSET2]: OFFSET, iCENT, iREF, iHORZ, HUSERI, HUSERJ, iVERT, VUSERI, VUSERJ
; [JOINT]  :  8(1CELL, 2CELL), 13(3CELL),  9(PSCM), 8(PSCH), 9(PSCT),  2(PSCB), 0(nCELL),  2(nCEL2)
; [SIZE-A] :  6(1CELL, 2CELL), 10(3CELL), 10(PSCM), 6(PSCH), 8(PSCT), 10(PSCB), 5(nCELL), 11(nCEL2)
; [SIZE-B] :  6(1CELL, 2CELL), 12(3CELL),  6(PSCM), 6(PSCH), 8(PSCT),  6(PSCB), 8(nCELL), 18(nCEL2)
; [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL),  9(PSCM), 10(PSCH), 7(PSCT),  8(PSCB), 0(nCELL), 11(nCEL2)
; [SIZE-D] :  8(1CELL, 2CELL), 13(3CELL),  6(PSCM), 7(PSCH), 8(PSCT),  5(PSCB), 0(nCELL), 18(nCEL2)
; [STIFF]  : AREA, ASy, ASz, Ixx, Iyy, Izz
; [SCHK]   : bAUTO_Z1, Z1, bAUTO_Z3, Z3
; [WT]     : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
; [CMPWEB] : EFD, LRF, A, B, H, T
    1, COMPOSITE , "G1,3-1"          , CC, 0, 0, 0, 0, 0, 0, YES, B
        3, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        1, 0, 0, 0, 4, 2
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        2, 0.8, 0, NO, 0.9, 0, NO
        19.5, 3, 7.5,  6, 0.25, 0,  7.68337, 0, 0.3, 0.18, 1.2, NO, ,
    2, COMPOSITE , "G1,3-1"          , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.564, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        1, 0, 0, 0, 4, 2
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        2, 0.8, 0, NO, 0.9, 0, NO
        19.5, 3, 7.5,  6, 0.25, 0,  7.68337, 0, 0.3, 0.18, 1.2, NO, ,
    3, COMPOSITE , "G1,3-1"          , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.449, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        1, 0, 0, 0, 4, 2
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        2, 0.8, 0, NO, 0.9, 0, NO
        19.5, 3, 7.5,  6, 0.25, 0,  7.68337, 0, 0.3, 0.18, 1.2, NO, ,
    4, COMPOSITE , "G1,3-2"          , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.449, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
        1, 0, 0, 0, 4, 2
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        2, 0.8, 0, NO, 0.9, 0, NO
        19.5, 3, 7.5,  6, 0.25, 0,  7.68337, 0, 0.3, 0.18, 1.2, NO, ,
    5, COMPOSITE , "G1,3-2"          , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.406, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
        1, 0, 0, 0, 4, 2
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        2, 0.8, 0, NO, 0.9, 0, NO
        19.5, 3, 7.5,  6, 0.25, 0,  7.68337, 0, 0.3, 0.18, 1.2, NO, ,
    6, COMPOSITE , "G1,3-3"          , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.406, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        1, 0, 0, 0, 4, 2
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        2, 0.8, 0, NO, 0.9, 0, NO
        19.5, 3, 7.5,  6, 0.25, 0,  7.68337, 0, 0.3, 0.18, 1.2, NO, ,
    7, COMPOSITE , "G1,3-3"          , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.109, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        1, 0, 0, 0, 4, 2
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        2, 0.8, 0, NO, 0.9, 0, NO
        19.5, 3, 7.5,  6, 0.25, 0,  7.68337, 0, 0.3, 0.18, 1.2, NO, ,
    8, COMPOSITE , "G1,3-4"          , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.109, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        1, 0, 0, 0, 4, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,  6, 0.25, 0,  7.68337, 0, 0.3, 0.18, 1.2, NO, ,
    9, COMPOSITE , "G1,3-4"          , CC, 0, 0, 0, 0, 0, 0, YES, B
        1.907, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        1, 0, 0, 0, 4, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,  6, 0.25, 0,  7.68337, 0, 0.3, 0.18, 1.2, NO, ,
    10, COMPOSITE , "G1,3-5"         , CC, 0, 0, 0, 0, 0, 0, YES, B
        1.907, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,  6, 0.25, 0,  7.68337, 0, 0.3, 0.18, 1.2, NO, ,
    11, COMPOSITE , "G1,3-5"         , CC, 0, 0, 0, 0, 0, 0, YES, B
        1.782, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,  6, 0.25, 0,  7.68337, 0, 0.3, 0.18, 1.2, NO, ,
    12, COMPOSITE , "G1,3-5"         , CC, 0, 0, 0, 0, 0, 0, YES, B
        1.616, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,  6, 0.25, 0,  7.68337, 0, 0.3, 0.18, 1.2, NO, ,
    13, COMPOSITE , "G1,3-6"         , CC, 0, 0, 0, 0, 0, 0, YES, B
        1.616, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,  6, 0.25, 0,  7.68337, 0, 0.3, 0.18, 1.2, NO, ,
    14, COMPOSITE , "G1,3-6"         , CC, 0, 0, 0, 0, 0, 0, YES, B
        1.608, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,  6, 0.25, 0,  7.68337, 0, 0.3, 0.18, 1.2, NO, ,
    15, COMPOSITE , "G1,3-7"         , CC, 0, 0, 0, 0, 0, 0, YES, B
        1.608, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,  6, 0.25, 0,  7.68337, 0, 0.3, 0.18, 1.2, NO, ,
    16, COMPOSITE , "G1,3-7"         , CC, 0, 0, 0, 0, 0, 0, YES, B
        1.59, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,  6, 0.25, 0,  7.68337, 0, 0.3, 0.18, 1.2, NO, ,
    17, COMPOSITE , "G1,3-7"         , CC, 0, 0, 0, 0, 0, 0, YES, B
        1.5, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,  6, 0.25, 0,  7.68337, 0, 0.3, 0.18, 1.2, NO, ,
    18, COMPOSITE , "G1,3-8"         , CC, 0, 0, 0, 0, 0, 0, YES, B
        1.5, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,  6, 0.25, 0,  7.68337, 0, 0.3, 0.18, 1.2, NO, ,
    19, COMPOSITE , "G1,3-8"         , CC, 0, 0, 0, 0, 0, 0, YES, B
        1.59, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,  6, 0.25, 0,  7.68337, 0, 0.3, 0.18, 1.2, NO, ,
    20, COMPOSITE , "G1,3-8"         , CC, 0, 0, 0, 0, 0, 0, YES, B
        1.608, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,  6, 0.25, 0,  7.68337, 0, 0.3, 0.18, 1.2, NO, ,
    21, COMPOSITE , "G1,3-9"         , CC, 0, 0, 0, 0, 0, 0, YES, B
        1.5, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.018
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,  6, 0.25, 0,  7.68337, 0, 0.3, 0.18, 1.2, NO, ,
    22, COMPOSITE , "G1,3-10"        , CC, 0, 0, 0, 0, 0, 0, YES, B
        1.5, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.018
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,  6, 0.25, 0,  7.68337, 0, 0.3, 0.18, 1.2, NO, ,
    24, TAPERED    , "G1,3(1-2)"     , CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,  6, 0.25, 0,  7.68337, 0, 0.3, 0.18, 1.2, NO, ,
        19.5, 3, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        19.5, 2.564, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        0, 0, 0, 0, 0, 0
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        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
  25, TAPERED    , "G1,3(2-3)"          , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    6, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2, NO,
,
        19.5, 2.564, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        19.5, 2.449, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
  26, TAPERED    , "G1,3(4-5)"          , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    6, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2, NO,
,
        19.5, 2.449, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
        19.5, 2.406, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
  27, TAPERED    , "G1,3(6-7)"          , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    6, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2, NO,
,
        19.5, 2.406, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        19.5, 2.109, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
  28, TAPERED    , "G1,3(8-9)"          , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    6, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2, NO,
,
        19.5, 2.109, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        19.5, 1.907, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
  29, TAPERED    , "G1,3(10-11)"        , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    6, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2, NO,
,
        19.5, 1.907, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        19.5, 1.782, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
  30, TAPERED    , "G1,3(11-12)"        , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    6, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2, NO,
,
        19.5, 1.782, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        19.5, 1.616, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
  31, TAPERED    , "G1,3(13-14)"        , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    6, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2, NO,
,
        19.5, 1.616, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
        19.5, 1.608, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
  32, TAPERED    , "G1,3(15-16)"        , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    6, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2, NO,
,
        19.5, 1.608, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
        19.5, 1.59, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
  33, TAPERED    , "G1,3(16-17)"        , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    6, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2, NO,
,
        19.5, 1.5, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
        19.5, 1.59, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
  34, TAPERED    , "G1,3(18-19)"        , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    6, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2, NO,
,
        19.5, 1.5, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        19.5, 1.59, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
  35, TAPERED    , "G1,3(19-20)"        , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    6, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2, NO,
,
        19.5, 1.59, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        19.5, 1.608, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
  36, TAPERED    , -                    , CC, 0, 0, 0, 0,
0, 0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 2.25,    6, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
        19.5, 2.607, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        19.5, 2.449, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
  37, COMPOSITE , 1.G2-1              , CC, 0, 0, 0, 0,
0, 0, YES, B
        3, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        1, 0, 0, 0, 4, 2
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        2, 0.8, 0, NO, 0.9, 0, NO
        19.5, 3, 7.5,    7.5, 0.25, 0,    7.68337, 0, 0.3, 0.18,
1.2, NO, ,
  38, COMPOSITE , 2.G2-1              , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.564, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        1, 0, 0, 0, 4, 2
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        2, 0.8, 0, NO, 0.9, 0, NO
        19.5, 3, 7.5,    7.5, 0.25, 0,    7.68337, 0, 0.3, 0.18,
1.2, NO, ,
  39, COMPOSITE , 3.G2-1              , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.449, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        1, 0, 0, 0, 4, 2
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        2, 0.8, 0, NO, 0.9, 0, NO
        19.5, 3, 7.5,    7.5, 0.25, 0,    7.68337, 0, 0.3, 0.18,
1.2, NO, ,
  40, COMPOSITE , 4.G2-2              , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.449, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
        1, 0, 0, 0, 4, 2
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        2, 0.8, 0, NO, 0.9, 0, NO
        19.5, 3, 7.5,    7.5, 0.25, 0,    7.68337, 0, 0.3, 0.18,
1.2, NO, ,
  41, COMPOSITE , 5.G2-2              , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.406, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
        1, 0, 0, 0, 4, 2
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
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        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        2, 0.8, 0, NO, 0.9, 0, NO
        19.5, 3, 7.5,     7.5, 0.25, 0,     7.68337, 0, 0.3, 0.18,
1.2, NO, ,
   42, COMPOSITE , 6.G2-3                , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.406, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        1, 0, 0, 0, 4, 2
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        2, 0.8, 0, NO, 0.9, 0, NO
        19.5, 3, 7.5,     7.5, 0.25, 0,     7.68337, 0, 0.3, 0.18,
1.2, NO, ,
   43, COMPOSITE , 7.G2-3                , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.109, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        1, 0, 0, 0, 4, 2
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        2, 0.8, 0, NO, 0.9, 0, NO
        19.5, 3, 7.5,     7.5, 0.25, 0,     7.68337, 0, 0.3, 0.18,
1.2, NO, ,
   44, COMPOSITE , 8.G2-4                , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.109, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        1, 0, 0, 0, 4, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,     7.5, 0.25, 0,     7.68337, 0, 0.3, 0.18,
1.2, NO, ,
   45, COMPOSITE , 9.G2-4                , CC, 0, 0, 0, 0,
0, 0, YES, B
        1.907, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        1, 0, 0, 0, 4, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,     7.5, 0.25, 0,     7.68337, 0, 0.3, 0.18,
1.2, NO, ,
   46, COMPOSITE , 10.G2-5               , CC, 0, 0, 0, 0,
0, 0, YES, B
        1.907, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,     7.5, 0.25, 0,     7.68337, 0, 0.3, 0.18,
1.2, NO, ,
   47, COMPOSITE , 11.G2-5               , CC, 0, 0, 0, 0,
0, 0, YES, B
        1.782, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,     7.5, 0.25, 0,     7.68337, 0, 0.3, 0.18,
1.2, NO, ,
   48, COMPOSITE , 12.G2-5               , CC, 0, 0, 0, 0,
0, 0, YES, B
        1.616, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,     7.5, 0.25, 0,     7.68337, 0, 0.3, 0.18,
1.2, NO, ,
   49, COMPOSITE , 13.G2-6               , CC, 0, 0, 0, 0,
0, 0, YES, B
        1.616, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,     7.5, 0.25, 0,     7.68337, 0, 0.3, 0.18,
1.2, NO, ,
   50, COMPOSITE , 14.G2-6               , CC, 0, 0, 0, 0,
0, 0, YES, B
        1.608, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,     7.5, 0.25, 0,     7.68337, 0, 0.3, 0.18,
1.2, NO, ,
   51, COMPOSITE , 15.G2-7               , CC, 0, 0, 0, 0,
0, 0, YES, B
        1.608, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,     7.5, 0.25, 0,     7.68337, 0, 0.3, 0.18,
1.2, NO, ,
   52, COMPOSITE , 16.G2-7               , CC, 0, 0, 0, 0,
0, 0, YES, B
        1.59, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,     7.5, 0.25, 0,     7.68337, 0, 0.3, 0.18,
1.2, NO, ,
   53, COMPOSITE , 17.G2-7               , CC, 0, 0, 0, 0,
0, 0, YES, B
        1.5, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,     7.5, 0.25, 0,     7.68337, 0, 0.3, 0.18,
1.2, NO, ,
   54, COMPOSITE , 18.G2-8               , CC, 0, 0, 0, 0,
0, 0, YES, B
        1.5, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,     7.5, 0.25, 0,     7.68337, 0, 0.3, 0.18,
1.2, NO, ,
   55, COMPOSITE , 19.G2-8               , CC, 0, 0, 0, 0,
0, 0, YES, B
        1.59, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,     7.5, 0.25, 0,     7.68337, 0, 0.3, 0.18,
1.2, NO, ,
   56, COMPOSITE , 20.G2-8               , CC, 0, 0, 0, 0,
0, 0, YES, B
        1.608, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,     7.5, 0.25, 0,     7.68337, 0, 0.3, 0.18,
1.2, NO, ,
   57, COMPOSITE , 21.G2-9               , CC, 0, 0, 0, 0,
0, 0, YES, B
        1.5, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.018
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,     7.5, 0.25, 0,     7.68337, 0, 0.3, 0.18,
1.2, NO, ,
   58, COMPOSITE , 22.G2-10              , CC, 0, 0, 0, 0,
0, 0, YES, B
        1.5, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.018
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,     7.5, 0.25, 0,     7.68337, 0, 0.3, 0.18,
1.2, NO, ,
   59, TAPERED     , G2(1-2)             , CC, 0, 0, 0, 0,
0, 0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,     7.5, 0.25, 0,     7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
        19.5, 3, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        19.5, 2.564, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        0, 0, 0, 0, 0, 0
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        0
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        0
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        0
   60, TAPERED     , G2(2-3)             , CC, 0, 0, 0, 0,
0, 0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,     7.5, 0.25, 0,     7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
        19.5, 2.564, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        19.5, 2.449, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        0, 0, 0, 0, 0, 0
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        0, 0, 0, 0, 0, 0
        0
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        0
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   61, TAPERED     , G2(4-5)             , CC, 0, 0, 0, 0,
0, 0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,     7.5, 0.25, 0,     7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
        19.5, 2.449, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
        19.5, 2.406, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
        0, 0, 0, 0, 0, 0
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        0, 0, 0, 0, 0, 0
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   62, TAPERED     , G2(6-7)             , CC, 0, 0, 0, 0,
0, 0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,     7.5, 0.25, 0,     7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
        19.5, 2.406, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        19.5, 2.109, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        0, 0, 0, 0, 0, 0
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        0, 0, 0, 0, 0, 0
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        0
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   63, TAPERED     , G2(8-9)             , CC, 0, 0, 0, 0,
0, 0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,     7.5, 0.25, 0,     7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
        19.5, 2.109, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        19.5, 1.907, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        0, 0, 0, 0, 0, 0
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        0, 0, 0, 0, 0, 0
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   64, TAPERED    , G2(10-11)            , CC, 0, 0, 0, 0,
0, 0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    7.5, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
        19.5, 1.907, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        19.5, 1.782, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        0, 0, 0, 0, 0, 0
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        0, 0, 0, 0, 0, 0
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   65, TAPERED    , G2(11-12)            , CC, 0, 0, 0, 0,
0, 0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    7.5, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
        19.5, 1.782, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        19.5, 1.616, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        0, 0, 0, 0, 0, 0
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        0, 0, 0, 0, 0, 0
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   66, TAPERED    , G2(13-14)            , CC, 0, 0, 0, 0,
0, 0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    7.5, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
        19.5, 1.616, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
        19.5, 1.608, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
        0, 0, 0, 0, 0, 0
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        0, 0, 0, 0, 0, 0
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   67, TAPERED    , G2(15-16)            , CC, 0, 0, 0, 0,
0, 0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    7.5, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
        19.5, 1.608, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
        19.5, 1.59, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
        0, 0, 0, 0, 0, 0
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        0, 0, 0, 0, 0, 0
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   68, TAPERED    , G2(16-17)            , CC, 0, 0, 0, 0,
0, 0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    7.5, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
        19.5, 1.59, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
        19.5, 1.5, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
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        0, 0, 0, 0, 0, 0
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   69, TAPERED    , G2(18-19)            , CC, 0, 0, 0, 0,
0, 0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    7.5, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
        19.5, 1.5, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        19.5, 1.59, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        0, 0, 0, 0, 0, 0
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        0, 0, 0, 0, 0, 0
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   70, TAPERED    , G2(19-20)            , CC, 0, 0, 0, 0,
0, 0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    7.5, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
        19.5, 1.59, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        19.5, 1.608, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        0, 0, 0, 0, 0, 0
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        0, 0, 0, 0, 0, 0
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        0
        0
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        0
   71, DBUSER     , 가로보                , CC, 0, 0, 0, 0,
0, 0, YES, H  , 2, 1.2, 0.3, 0.009, 0.012, 0.3, 0.012, 0, 0, 0,
0
   72, DBUSER     , 가로보(교대)          , CC, 0, 0, 0, 0, 0,
0, YES, H  , 2, 1, 0.3, 0.009, 0.012, 0.3, 0.012, 0, 0, 0, 0
   73, DBUSER     , 세로보                , CC, 0, 0, 0, 0,
0, 0, YES, H  , 2, 0.8, 0.3, 0.009, 0.012, 0.3, 0.012, 0, 0, 0,
0
   74, TAPERED    , "G1,3(14-13)"        , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    6, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2, NO,
,
        19.5, 1.608, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
        19.5, 1.616, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
        0, 0, 0, 0, 0, 0
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   75, TAPERED    , "G1,3(17-16)"        , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    6, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2, NO,
,
        19.5, 1.5, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
        19.5, 1.59, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
        0, 0, 0, 0, 0, 0
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        0, 0, 0, 0, 0, 0
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   76, TAPERED    , "G1,3(16-15)"        , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    6, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2, NO,
,
        19.5, 1.59, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
        19.5, 1.608, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
        0, 0, 0, 0, 0, 0
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   77, TAPERED    , "G1,3(19-18)"        , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    6, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2, NO,
,
        19.5, 1.59, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        19.5, 1.5, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        0, 0, 0, 0, 0, 0
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        0, 0, 0, 0, 0, 0
        0
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        0
   78, TAPERED    , "G1,3(12-11)"        , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    6, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2, NO,
,
        19.5, 1.616, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        19.5, 1.782, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        0, 0, 0, 0, 0, 0
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        0, 0, 0, 0, 0, 0
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   79, TAPERED    , "G1,3(11-10)"        , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    6, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2, NO,
,
        19.5, 1.782, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        19.5, 1.907, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
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        0, 0, 0, 0, 0, 0
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   80, TAPERED    , "G1,3(9-8)"          , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    6, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2, NO,
,
        19.5, 1.907, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        19.5, 2.109, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
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        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
   81, TAPERED    , "G1,3(7-6)"          , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    6, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2, NO,
,
        19.5, 2.109, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        19.5, 2.406, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
```

```
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
    82, TAPERED    , "G1,3(5-4)"         , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    6, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2, NO,
,
        19.5, 2.406, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
        19.5, 2.449, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
    83, TAPERED    , "G1,3(3-2)"         , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    6, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2, NO,
,
        19.5, 2.449, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        19.5, 2.564, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
    84, TAPERED    , "G1,3(2-1)"         , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    6, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2, NO,
,
        19.5, 2.564, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        19.5, 3, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
    85, TAPERED    , "G1,3(20-19)"       , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    6, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2, NO,
,
        19.5, 1.608, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        19.5, 1.59, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
    86, TAPERED    , G2(2-1)             , CC, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    7.5, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
        19.5, 2.564, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        19.5, 3, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
    87, TAPERED    , G2(3-2)             , CC, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    7.5, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
        19.5, 2.449, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        19.5, 2.564, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
    88, TAPERED    , G2(5-4)             , CC, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    7.5, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
        19.5, 2.406, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
        19.5, 2.449, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
    89, TAPERED    , G2(7-6)             , CC, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    7.5, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
        19.5, 2.109, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        19.5, 2.406, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
    90, TAPERED    , G2(9-8)             , CC, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    7.5, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
        19.5, 1.907, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        19.5, 2.109, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
    91, TAPERED    , G2(11-10)           , CC, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    7.5, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
        19.5, 1.782, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        19.5, 1.907, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
    92, TAPERED    , G2(12-11)           , CC, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    7.5, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
        19.5, 1.616, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        19.5, 1.782, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
    93, TAPERED    , G2(14-13)           , CC, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    7.5, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
        19.5, 1.608, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
        19.5, 1.616, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
    94, TAPERED    , G2(16-15)           , CC, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    7.5, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
        19.5, 1.59, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
        19.5, 1.608, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
    95, TAPERED    , G2(17-16)           , CC, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    7.5, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
        19.5, 1.5, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
        19.5, 1.59, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
    96, TAPERED    , G2(19-18)           , CC, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    7.5, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
        19.5, 1.59, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        19.5, 1.5, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        0, 0, 0, 0, 0, 0
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        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
```

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        0
    97, TAPERED     , G2(20-19)             , CC, 0, 0, 0, 0,
0, 0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,     7.5, 0.25, 0,     7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
        19.5, 1.608, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        19.5, 1.59, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
*SECT-COLOR
; iSEC, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R,
HE_G, HE_B, bBLEND, FACT
    1, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
    2, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
    3, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
    4, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
    5, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
    6, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
    7, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
    8, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
    9, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   10, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   11, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   12, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   13, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   14, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   15, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   16, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   17, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   18, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   19, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   20, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   21, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   22, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   24, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   25, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   26, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   27, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   28, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   29, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   30, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   31, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   32, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   33, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   34, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   35, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   36, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   37, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   38, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   39, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   40, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   41, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   42, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   43, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   44, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   45, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   46, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   47, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   48, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   49, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   50, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   51, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   52, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   53, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   54, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   55, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   56, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   57, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   58, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   59, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   60, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   61, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   62, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   63, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   64, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   65, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
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   66, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   67, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   68, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   69, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   70, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   71, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   72, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   73, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   74, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   75, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   76, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   77, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   78, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   79, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   80, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   81, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   82, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   83, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   84, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   85, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   86, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   87, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   88, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   89, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   90, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   91, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   92, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   93, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   94, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   95, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   96, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
   97, 255,    0,    0,    0, 255,    0,    0,    0, 255,   NO,
0.5
*COMP-GEN-SECT-PSC-DESIGN      ; Composite Section
for PSC Design
; SECT, bCompPSC, (Z1, Z2, Z3, t1, t2, t3, TotT)-I, (Z1,
Z2, Z3, t1, t2, t3, TotT)-J
   74, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   75, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   76, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   77, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   78, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   79, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   80, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   81, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   82, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   83, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   84, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   85, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   86, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   87, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   88, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   89, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   90, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   91, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   92, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   93, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   94, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   95, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   96, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   97, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
*DGN-SECT
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, [DATA1],
[DATA2]                          ; 1st line - DB/USER
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, BLT, D1,
..., D8, iCEL                    ; 1st line - VALUE
;                    AREA, ASy, ASz, Ixx, Iyy, Izz
                                 ; 2nd line
;          CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT,
PERI_IN, Cy, Cz                  ; 3rd line
;            Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz
                                 ; 4th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, ELAST,
DEN, POIS, POIC, SF, THERMAL ; 1st line - SRC
;                                D1,    D2,    [SRC]
                                 ; 2nd line
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 1, DB,
NAME1, NAME2, D1, D2             ; 1st line - COMBINED
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 2, D11,
D12, D13, D14, D15, D21, D22, D23, D24
; iSEC, TYPE, SNAME, [OFFSET2], bSD, SHAPE, iyVAR,
izVAR, STYPE                     ; 1st line - TAPERED
;                                DB,    NAME1,    NAME2
                                 ; 2nd line(STYPE=DB)
;                                [DIM1],    [DIM2]
                                 ; 2nd line(STYPE=USER)
;          D11, D12, D13, D14, D15, D16, D17, D18
                                 ; 2nd line(STYPE=VALUE)
;                AREA1, ASy1, ASz1, Ixx1, Iyy1, Izz1
                                 ; 3rd line(STYPE=VALUE)
;            CyP1, CyM1, CzP1, CzM1, QyB1, QzB1,
PERI_OUT1, PERI_IN1, Cy1, Cz1    ; 4th
line(STYPE=VALUE)
;          Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1,
Zyy2                             ; 5th line(STYPE=VALUE)
```

; D21, D22, D23, D24, D25, D26, D27, D28 ; 6th line(STYPE=VALUE)
; AREA2, ASy2, ASz2, Ixx2, Iyy2, Izz2 ; 7th line(STYPE=VALUE)
; CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, PERI_OUT2, PERI_IN2, Cy2, Cz2 ; 8th line(STYPE=VALUE)
; Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2, Zzz2 ; 9th line(STYPE=VALUE)
; OPT1, OPT2, [JOINT] ; 2nd line(STYPE=PSC)
; ELAST, DEN, POIS, POIC, THERMAL ; 2nd line(STYPE=PSC-CMPW)
; bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I], [WT-J], WI, WJ, bSYM, bSIDEHOLE ; 3rd line(STYPE=PSC)
; bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I], [CMPWEB-J] ; 3rd line(STYPE=PSC-CMPW)
; bUSERDEFMESHSIZE, MESHSIZE, bUSERINPSTIFF, [STIFF-I], [STIFF-J] ; 4th line(STYPE=PSC)
; [SIZE-A]-i ; 5th line(STYPE=PSC)
; [SIZE-B]-i ; 6th line(STYPE=PSC)
; [SIZE-C]-i ; 7th line(STYPE=PSC)
; [SIZE-D]-i ; 8th line(STYPE=PSC)
; [SIZE-A]-j ; 9th line(STYPE=PSC)
; [SIZE-B]-j ; 10th line(STYPE=PSC)
; [SIZE-C]-j ; 11th line(STYPE=PSC)
; [SIZE-D]-j ; 12th line(STYPE=PSC)
; GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMULTI, EsEc-L, EsEc-S ; 2nd line(STYPE=CMP-B/I)
; SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i, tf2_i ; 3rd line(STYPE=CMP-B/I)
; SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j ; 4th line(STYPE=CMP-B/I)
; N1, N2, Hr, Hr2, tr1, tr2 ; 5th line(STYPE=CMP-B)
; GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb, bSYM, SW_i, SW_j ; 2nd line(STYPE=CMP-CI/CT)
; OPT1, OPT2, [JOINT] ; 3rd line(STYPE=CMP-CI/CT)
; [SIZE-A]-i ; 4th line(STYPE=CMP-CI/CT)
; [SIZE-B]-i ; 5th line(STYPE=CMP-CI/CT)
; [SIZE-C]-i ; 6th line(STYPE=CMP-CI/CT)
; [SIZE-D]-i ; 7th line(STYPE=CMP-CI/CT)
; [SIZE-A]-j ; 8th line(STYPE=CMP-CI/CT)
; [SIZE-B]-j ; 9th line(STYPE=CMP-CI/CT)
; [SIZE-C]-j ; 10th line(STYPE=CMP-CI/CT)
; [SIZE-D]-j ; 11th line(STYPE=CMP-CI/CT)
; iSEC, TYPE, SNAME, [OFFSET], bSD, STYPE1, STYPE2 ; 1st line - CONSTRUCT
; SHAPE, ...(same with other type data from shape) ; Before (STYPE1)
; SHAPE, ...(same with other type data from shape) ; After (STYPE2)
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE ; 1st line - COMPOSITE-SB
; Hw, tw, B, Bf1, tf1, B2, Bf2, tf2 ; 2nd line
; N1, N2, Hr, Hr2, tr1, tr2 ; 3rd line
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh ; 4th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE ; 1st line - COMPOSITE-SI
; Hw, tw, B, tf1, B2, tf2 ; 2nd line
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh ; 3rd line
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE ; 1st line - COMPOSITE-CI/CT
; OPT1, OPT2, [JOINT] ; 2nd line
; [SIZE-A] ; 3rd line
; [SIZE-B] ; 4th line
; [SIZE-C] ; 5th line
; [SIZE-D] ; 6th line
; SW, GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb ; 7th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE ; 1st line - PSC
; OPT1, OPT2, [JOINT] ; 2nd line
; bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE ; 3rd line
; bUSERDEFMESHSIZE, MESHSIZE, bUSERINPSTIFF, [STIFF] ; 4th line
; [SIZE-A] ; 5th line
; [SIZE-B] ; 6th line
; [SIZE-C] ; 7th line
; [SIZE-D] ; 8th line
; [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10
; [DATA2] : CCSHAPE or iCEL or iN1, iN2
; [SRC] : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, iN1, iN2
; [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8
; [OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT, VUSER
; [OFFSET2]: OFFSET, iCENT, iREF, iHORZ, HUSERI, HUSERJ, iVERT, VUSERI, VUSERJ
; [JOINT] : 8(1CELL, 2CELL), 13(3CELL), 9(PSCM), 8(PSCH), 9(PSCT), 2(PSCB), 0(nCELL), 2(nCEL2)
; [SIZE-A] : 6(1CELL, 2CELL), 10(3CELL), 10(PSCM), 6(PSCH), 8(PSCT), 10(PSCB), 5(nCELL), 11(nCEL2)
; [SIZE-B] : 6(1CELL, 2CELL), 12(3CELL), 6(PSCM), 6(PSCH), 8(PSCT), 6(PSCB), 8(nCELL), 18(nCEL2)
; [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL), 9(PSCM), 10(PSCH), 7(PSCT), 8(PSCB), 0(nCELL), 11(nCEL2)
; [SIZE-D] : 8(1CELL, 2CELL), 13(3CELL), 6(PSCM), 7(PSCH), 8(PSCT), 5(PSCB), 0(nCELL), 18(nCEL2)
; [STIFF] : AREA, ASy, ASz, Ixx, Iyy, Izz
; [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3
; [WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
; [CMPWEB] : EFD, LRF, A, B, H, T
1, COMPOSITE , "G1,3-1" , CC, 0, 0, 0, 0, 0, 0, YES, B
3, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
1, 0, 0, 0, 4, 2
1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
0
0
4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
2, 0.8, 0, NO, 0.9, 0, NO
19.5, 3, 7.5, 6, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO, ,
2, COMPOSITE , "G1,3-1" , CC, 0, 0, 0, 0, 0, 0, YES, B
2.564, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
1, 0, 0, 0, 4, 2
1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
0
0
4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
2, 0.8, 0, NO, 0.9, 0, NO
19.5, 3, 7.5, 6, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO, ,
3, COMPOSITE , "G1,3-1" , CC, 0, 0, 0, 0, 0, 0, YES, B
2.449, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
1, 0, 0, 0, 4, 2
1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
0
0
4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
2, 0.8, 0, NO, 0.9, 0, NO
19.5, 3, 7.5, 6, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO, ,
4, COMPOSITE , "G1,3-2" , CC, 0, 0, 0, 0, 0, 0, YES, B
2.449, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
1, 0, 0, 0, 4, 2
1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
0
0
4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
2, 0.8, 0, NO, 0.9, 0, NO
19.5, 3, 7.5, 6, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO, ,
5, COMPOSITE , "G1,3-2" , CC, 0, 0, 0, 0, 0, 0, YES, B
2.406, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
1, 0, 0, 0, 4, 2
1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
0
0
4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
2, 0.8, 0, NO, 0.9, 0, NO
19.5, 3, 7.5, 6, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO, ,
6, COMPOSITE , "G1,3-3" , CC, 0, 0, 0, 0, 0, 0, YES, B
2.406, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
1, 0, 0, 0, 4, 2
1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
0
0
4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
2, 0.8, 0, NO, 0.9, 0, NO
19.5, 3, 7.5, 6, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO, ,
7, COMPOSITE , "G1,3-3" , CC, 0, 0, 0, 0, 0, 0, YES, B
2.109, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
1, 0, 0, 0, 4, 2
1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
0
0
4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
2, 0.8, 0, NO, 0.9, 0, NO
19.5, 3, 7.5, 6, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO, ,
8, COMPOSITE , "G1,3-4" , CC, 0, 0, 0, 0, 0, 0, YES, B
2.109, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
1, 0, 0, 0, 4, 4
1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
0
0
4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
19.5, 3, 7.5, 6, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO, ,
9, COMPOSITE , "G1,3-4" , CC, 0, 0, 0, 0, 0, 0, YES, B
1.907, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
1, 0, 0, 0, 4, 4
1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
0
0
4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
19.5, 3, 7.5, 6, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO, ,
10, COMPOSITE , "G1,3-5" , CC, 0, 0, 0, 0, 0, 0, YES, B
1.907, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
1, 0, 0, 0, 2, 4
1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
0
0
2, 0.8, 0, NO, 0.9, 0, NO
4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
19.5, 3, 7.5, 6, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO, ,
11, COMPOSITE , "G1,3-5" , CC, 0, 0, 0, 0, 0, 0, YES, B
1.782, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
1, 0, 0, 0, 2, 4
1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
0
0
2, 0.8, 0, NO, 0.9, 0, NO
4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
19.5, 3, 7.5, 6, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO, ,
12, COMPOSITE , "G1,3-5" , CC, 0, 0, 0, 0, 0, 0, YES, B
1.616, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
1, 0, 0, 0, 2, 4
1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
0
0
2, 0.8, 0, NO, 0.9, 0, NO
4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
19.5, 3, 7.5, 6, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO, ,
13, COMPOSITE , "G1,3-6" , CC, 0, 0, 0, 0,

```
0, 0, YES, B
        1.616, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,     6, 0.25, 0,     7.68337, 0, 0.3, 0.18,
1.2, NO, ,
   14, COMPOSITE , "G1,3-6"              , CC, 0, 0, 0, 0,
0, 0, YES, B
        1.608, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,     6, 0.25, 0,     7.68337, 0, 0.3, 0.18,
1.2, NO, ,
   15, COMPOSITE , "G1,3-7"              , CC, 0, 0, 0, 0,
0, 0, YES, B
        1.608, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,     6, 0.25, 0,     7.68337, 0, 0.3, 0.18,
1.2, NO, ,
   16, COMPOSITE , "G1,3-7"              , CC, 0, 0, 0, 0,
0, 0, YES, B
        1.59, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,     6, 0.25, 0,     7.68337, 0, 0.3, 0.18,
1.2, NO, ,
   17, COMPOSITE , "G1,3-7"              , CC, 0, 0, 0, 0,
0, 0, YES, B
        1.5, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,     6, 0.25, 0,     7.68337, 0, 0.3, 0.18,
1.2, NO, ,
   18, COMPOSITE , "G1,3-8"              , CC, 0, 0, 0, 0,
0, 0, YES, B
        1.5, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,     6, 0.25, 0,     7.68337, 0, 0.3, 0.18,
1.2, NO, ,
   19, COMPOSITE , "G1,3-8"              , CC, 0, 0, 0, 0,
0, 0, YES, B
        1.59, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,     6, 0.25, 0,     7.68337, 0, 0.3, 0.18,
1.2, NO, ,
   20, COMPOSITE , "G1,3-8"              , CC, 0, 0, 0, 0,
0, 0, YES, B
        1.608, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,     6, 0.25, 0,     7.68337, 0, 0.3, 0.18,
1.2, NO, ,
   21, COMPOSITE , "G1,3-9"              , CC, 0, 0, 0, 0,
0, 0, YES, B
        1.5, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.018
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,     6, 0.25, 0,     7.68337, 0, 0.3, 0.18,
1.2, NO, ,
   22, COMPOSITE , "G1,3-10"             , CC, 0, 0, 0, 0,
0, 0, YES, B
        1.5, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.018
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,     6, 0.25, 0,     7.68337, 0, 0.3, 0.18,
1.2, NO, ,
   24, TAPERED    , "G1,3(1-2)"          , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    6, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2, NO,
,
        19.5, 3, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        19.5, 2.564, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
   25, TAPERED    , "G1,3(2-3)"          , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    6, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2, NO,
,
        19.5, 2.564, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        19.5, 2.449, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
   26, TAPERED    , "G1,3(4-5)"          , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    6, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2, NO,
,
        19.5, 2.449, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
        19.5, 2.406, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
   27, TAPERED    , "G1,3(6-7)"          , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    6, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2, NO,
,
        19.5, 2.406, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        19.5, 2.109, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
   28, TAPERED    , "G1,3(8-9)"          , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    6, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2, NO,
,
        19.5, 2.109, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        19.5, 1.907, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
   29, TAPERED    , "G1,3(10-11)"        , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    6, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2, NO,
,
        19.5, 1.907, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        19.5, 1.782, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
   30, TAPERED    , "G1,3(11-12)"        , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    6, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2, NO,
,
        19.5, 1.782, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        19.5, 1.616, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
   31, TAPERED    , "G1,3(13-14)"        , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    6, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2, NO,
,
        19.5, 1.616, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
        19.5, 1.608, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
   32, TAPERED    , "G1,3(15-16)"        , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    6, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2, NO,
,
        19.5, 1.608, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
        19.5, 1.59, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
   33, TAPERED    , "G1,3(16-17)"        , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    6, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2, NO,
,
        19.5, 1.5, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
```

19.5, 1.59, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
0, 0, 0, 0, 0, 0
0
0
0
0
0
0, 0, 0, 0, 0, 0
0
0
0
0
0
34, TAPERED , "G1,3(18-19)" , CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, CP_B, 1, 1, CMP-B
3, 7.5, 6, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO, ,
19.5, 1.5, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
19.5, 1.59, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
0, 0, 0, 0, 0, 0
0
0
0
0
0
0, 0, 0, 0, 0, 0
0
0
0
0
0
35, TAPERED , "G1,3(19-20)" , CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, CP_B, 1, 1, CMP-B
3, 7.5, 6, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO, ,
19.5, 1.59, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
19.5, 1.608, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
0, 0, 0, 0, 0, 0
0
0
0
0
0
0, 0, 0, 0, 0, 0
0
0
0
0
0
36, TAPERED , - , CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, CP_B, 1, 1, CMP-B
3, 2.25, 6, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO, ,
19.5, 2.607, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
19.5, 2.449, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
0, 0, 0, 0, 0, 0
0
0
0
0
0
0, 0, 0, 0, 0, 0
0
0
0
0
0
37, COMPOSITE , 1.G2-1 , CC, 0, 0, 0, 0, 0, 0, YES, B
3, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
1, 0, 0, 0, 4, 2
1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
0
0
4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
2, 0.8, 0, NO, 0.9, 0, NO
19.5, 3, 7.5, 7.5, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO, ,
38, COMPOSITE , 2.G2-1 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.564, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
1, 0, 0, 0, 4, 2
1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
0
0
4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
2, 0.8, 0, NO, 0.9, 0, NO
19.5, 3, 7.5, 7.5, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO, ,
39, COMPOSITE , 3.G2-1 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.449, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
1, 0, 0, 0, 4, 2
1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
0
0
4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
2, 0.8, 0, NO, 0.9, 0, NO
19.5, 3, 7.5, 7.5, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO, ,
40, COMPOSITE , 4.G2-2 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.449, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
1, 0, 0, 0, 4, 2
1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
0
0
4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
2, 0.8, 0, NO, 0.9, 0, NO
19.5, 3, 7.5, 7.5, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO, ,
41, COMPOSITE , 5.G2-2 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.406, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
1, 0, 0, 0, 4, 2
1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
0
0
4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
2, 0.8, 0, NO, 0.9, 0, NO
19.5, 3, 7.5, 7.5, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO, ,
42, COMPOSITE , 6.G2-3 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.406, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
1, 0, 0, 0, 4, 2
1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
0
0
4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
2, 0.8, 0, NO, 0.9, 0, NO
19.5, 3, 7.5, 7.5, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO, ,
43, COMPOSITE , 7.G2-3 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.109, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
1, 0, 0, 0, 4, 2
1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
0
0
4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
2, 0.8, 0, NO, 0.9, 0, NO
19.5, 3, 7.5, 7.5, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO, ,
44, COMPOSITE , 8.G2-4 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.109, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
1, 0, 0, 0, 4, 4
1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
0
0
4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
19.5, 3, 7.5, 7.5, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO, ,
45, COMPOSITE , 9.G2-4 , CC, 0, 0, 0, 0, 0, 0, YES, B
1.907, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
1, 0, 0, 0, 4, 4
1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
0
0
4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
19.5, 3, 7.5, 7.5, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO, ,
46, COMPOSITE , 10.G2-5 , CC, 0, 0, 0, 0, 0, 0, YES, B
1.907, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
1, 0, 0, 0, 2, 4
1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
0
0
2, 0.8, 0, NO, 0.9, 0, NO
4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
19.5, 3, 7.5, 7.5, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO, ,
47, COMPOSITE , 11.G2-5 , CC, 0, 0, 0, 0, 0, 0, YES, B
1.782, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
1, 0, 0, 0, 2, 4
1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
0
0
2, 0.8, 0, NO, 0.9, 0, NO
4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
19.5, 3, 7.5, 7.5, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO, ,
48, COMPOSITE , 12.G2-5 , CC, 0, 0, 0, 0, 0, 0, YES, B
1.616, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
1, 0, 0, 0, 2, 4
1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
0
0
2, 0.8, 0, NO, 0.9, 0, NO
4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
19.5, 3, 7.5, 7.5, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO, ,
49, COMPOSITE , 13.G2-6 , CC, 0, 0, 0, 0, 0, 0, YES, B
1.616, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
1, 0, 0, 0, 2, 4
1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
0
0
2, 0.8, 0, NO, 0.9, 0, NO
4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
19.5, 3, 7.5, 7.5, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO, ,
50, COMPOSITE , 14.G2-6 , CC, 0, 0, 0, 0, 0, 0, YES, B
1.608, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
1, 0, 0, 0, 2, 4
1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
0
0
2, 0.8, 0, NO, 0.9, 0, NO
4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
19.5, 3, 7.5, 7.5, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO, ,
51, COMPOSITE , 15.G2-7 , CC, 0, 0, 0, 0, 0, 0, YES, B
1.608, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
1, 0, 0, 0, 2, 4
1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
0
0
2, 0.8, 0, NO, 0.9, 0, NO
4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
19.5, 3, 7.5, 7.5, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO, ,
52, COMPOSITE , 16.G2-7 , CC, 0, 0, 0, 0, 0, 0, YES, B
1.59, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
1, 0, 0, 0, 2, 4
1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
0
0
2, 0.8, 0, NO, 0.9, 0, NO
4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
19.5, 3, 7.5, 7.5, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO, ,
53, COMPOSITE , 17.G2-7 , CC, 0, 0, 0, 0, 0, 0, YES, B
1.5, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
1, 0, 0, 0, 2, 4
1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
0
0
2, 0.8, 0, NO, 0.9, 0, NO
4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
19.5, 3, 7.5, 7.5, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO, ,
54, COMPOSITE , 18.G2-8 , CC, 0, 0, 0, 0, 0, 0, YES, B
1.5, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
1, 0, 0, 0, 2, 4
1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
0
0
2, 0.8, 0, NO, 0.9, 0, NO
4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
19.5, 3, 7.5, 7.5, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO, ,
55, COMPOSITE , 19.G2-8 , CC, 0, 0, 0, 0, 0, 0, YES, B
1.59, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
1, 0, 0, 0, 2, 4
1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
0
0
2, 0.8, 0, NO, 0.9, 0, NO
4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
19.5, 3, 7.5, 7.5, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO, ,

```
   56, COMPOSITE , 20.G2-8                , CC, 0, 0, 0, 0,
0, 0, YES, B
        1.608, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,    7.5, 0.25, 0,    7.68337, 0, 0.3, 0.18,
1.2, NO, ,
   57, COMPOSITE , 21.G2-9                , CC, 0, 0, 0, 0,
0, 0, YES, B
        1.5, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.018
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,    7.5, 0.25, 0,    7.68337, 0, 0.3, 0.18,
1.2, NO, ,
   58, COMPOSITE , 22.G2-10               , CC, 0, 0, 0, 0,
0, 0, YES, B
        1.5, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.018
        1, 0, 0, 0, 2, 4
        1, RIB, 0, 0.2, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8, 0, NO, 0.9, 0, NO
        4, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO, 0.5, 0, NO
        19.5, 3, 7.5,    7.5, 0.25, 0,    7.68337, 0, 0.3, 0.18,
1.2, NO, ,
   59, TAPERED    , G2(1-2)               , CC, 0, 0, 0, 0,
0, 0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    7.5, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
        19.5, 3, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        19.5, 2.564, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
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NO, ,
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   61, TAPERED    , G2(4-5)               , CC, 0, 0, 0, 0,
0, 0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    7.5, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
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   62, TAPERED    , G2(6-7)               , CC, 0, 0, 0, 0,
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NO, ,
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   63, TAPERED    , G2(8-9)               , CC, 0, 0, 0, 0,
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   64, TAPERED    , G2(10-11)             , CC, 0, 0, 0, 0,
0, 0, 0, 0, YES, CP_B, 1, 1, CMP-B
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NO, ,
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   65, TAPERED    , G2(11-12)             , CC, 0, 0, 0, 0,
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   66, TAPERED    , G2(13-14)             , CC, 0, 0, 0, 0,
0, 0, 0, 0, YES, CP_B, 1, 1, CMP-B
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NO, ,
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   67, TAPERED    , G2(15-16)             , CC, 0, 0, 0, 0,
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        19.5, 1.59, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
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   68, TAPERED    , G2(16-17)             , CC, 0, 0, 0, 0,
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NO, ,
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NO, ,
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        19.5, 1.59, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
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        3, 7.5,    7.5, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
        19.5, 1.59, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        19.5, 1.608, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
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   72, DBUSER     , 가로보(교대)           , CC, 0, 0, 0, 0, 0,
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   73, DBUSER     , 세로보                 , CC, 0, 0, 0, 0,
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        19.5, 1.616, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
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3, 7.5, 6, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO,
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19.5, 1.5, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
19.5, 1.59, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
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76, TAPERED , "G1,3(16-15)" , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
3, 7.5, 6, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO,
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19.5, 1.59, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
19.5, 1.608, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
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77, TAPERED , "G1,3(19-18)" , CC, 0, 0, 0, 0, 0,
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3, 7.5, 6, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO,
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19.5, 1.5, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
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78, TAPERED , "G1,3(12-11)" , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
3, 7.5, 6, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO,
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19.5, 1.616, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
19.5, 1.782, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
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79, TAPERED , "G1,3(11-10)" , CC, 0, 0, 0, 0, 0,
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3, 7.5, 6, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO,
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19.5, 1.782, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
19.5, 1.907, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
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80, TAPERED , "G1,3(9-8)" , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
3, 7.5, 6, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO,
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19.5, 1.907, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
19.5, 2.109, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
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81, TAPERED , "G1,3(7-6)" , CC, 0, 0, 0, 0, 0,
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3, 7.5, 6, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO,
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19.5, 2.109, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
19.5, 2.406, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
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82, TAPERED , "G1,3(5-4)" , CC, 0, 0, 0, 0, 0,
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3, 7.5, 6, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO,
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19.5, 2.406, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
19.5, 2.449, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
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83, TAPERED , "G1,3(3-2)" , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, CP_B, 1, 1, CMP-B
3, 7.5, 6, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO,
,
19.5, 2.449, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
19.5, 2.564, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
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84, TAPERED , "G1,3(2-1)" , CC, 0, 0, 0, 0, 0,
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3, 7.5, 6, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO,
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85, TAPERED , "G1,3(20-19)" , CC, 0, 0, 0, 0, 0,
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3, 7.5, 6, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2, NO,
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19.5, 1.608, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
19.5, 1.59, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
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86, TAPERED , G2(2-1) , CC, 0, 0, 0, 0,
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NO, ,
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87, TAPERED , G2(3-2) , CC, 0, 0, 0, 0,
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88, TAPERED , G2(5-4) , CC, 0, 0, 0, 0,
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3, 7.5, 7.5, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
19.5, 2.406, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
19.5, 2.449, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
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19.5, 2.109, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
19.5, 2.406, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
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0, 0, 0, YES, CP_B, 1, 1, CMP-B
3, 7.5, 7.5, 0.25, 0, 7.68337, 0, 0.3, 0.18, 1.2,
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19.5, 1.907, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
19.5, 2.109, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
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        19.5, 1.907, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
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        3, 7.5,    7.5, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2,
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        19.5, 1.782, 0.014, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
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        3, 7.5,    7.5, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2,
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        19.5, 1.616, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.016
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   94, TAPERED    , G2(16-15)            , CC, 0, 0, 0, 0,
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        19.5, 1.608, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
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0, 0, 0, 0, YES, CP_B, 1, 1, CMP-B
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        19.5, 1.59, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
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        3, 7.5,    7.5, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2,
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        19.5, 1.5, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
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        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
   97, TAPERED    , G2(20-19)            , CC, 0, 0, 0, 0,
0, 0, 0, 0, YES, CP_B, 1, 1, CMP-B
        3, 7.5,    7.5, 0.25, 0,    7.68337, 0, 0.3, 0.18, 1.2,
NO, ,
        19.5, 1.608, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        19.5, 1.59, 0.014, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
        0, 0, 0, 0, 0, 0
        0
        0
        0
        0
        0
*STLDCASE    ; Static Load Cases
; LCNAME, LCTYPE, DESC
   자중 , D ,
   슬래브하중, D ,
   방호벽하중, D ,
   포장하중, D ,
   단위모멘트, USER,
*CONSTRAINT    ; Supports
; NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP
   309, 111000,
   63 186, 101000,
   249 265 287 311 327 349, 011000,
   2 17 30 65 81 103 126 142 164 188 204 226, 001000,
*OFFSET    ; Beam End Offsets
; ELEM_LIST, TYPE, RGDXi, RGDYi, RGDZi, RGDXj,
RGDYj, RGDZj, GROUP  ; TYPE=GLOBAL
;    ELEM_LIST,    TYPE,    RGDi,    RGDj,    GROUP
                    ; TYPE=ELEMENT
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   612, ELEMENT, 0.75, 0.75,
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837, ELEMENT, 0.75, 0.75,
838, ELEMENT, 0.75, 0.75,
; *LOADTOMASS, DIR, bNODAL, bBEAM, bFLOOR, bPRES, GRAV
; LCNAME1, FACTOR1, LCNAME2, FACTOR2, ... ;
from line 1
*LOADTOMASS, XYZ, YES, YES, YES, YES, 9.806
자중, 1, 슬래브하중, 1, 방호벽하중, 1, 포장하중, 1
*USE-STLD, 자중
; *SELFWEIGHT, X, Y, Z, GROUP
*SELFWEIGHT, 0, 0, -1,
; End of data for load case [자중]
------------------------
*USE-STLD, 슬래브하중
*BEAMLOAD ; Element Beam Loads
; ELEM_LIST, CMD, TYPE, DIR, bPROJ, [ECCEN], [VALUE], GROUP
; ELEM_LIST, CMD, TYPE, TYPE, DIR, VX, VY, VZ, bPROJ, [ECCEN], [VALUE], GROUP
; [VALUE] : D1, P1, D2, P2, D3, P3, D4, P4
; [ECCEN] : bECCEN, ECCDIR, I-END, J-END, bJ-END
; [ADDITIONAL] : bADDITIONAL, ADDITIONAL_I-END, ADDITIONAL_J-END, bADDITIONAL_J-END
1, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
1, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
2, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
2, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
3, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
3, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
4, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
4, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
5, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
5, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
6, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
6, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
7, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
7, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
8, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
8, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
9, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
9, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
10, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
10, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
11, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
11, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
12, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
12, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
13, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
13, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
14, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
14, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
15, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
15, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
16, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
16, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
17, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
17, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
18, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
18, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
19, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
19, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
20, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
20, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
21, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
21, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
22, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
22, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
23, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
23, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
24, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
24, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
25, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
25, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
26, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
26, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
27, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
27, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
28, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
28, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
29, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
29, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
30, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
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100, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
100, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
101, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
101, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
102, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
102, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
103, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
103, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
104, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
104, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
105, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
105, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
106, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
106, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
107, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
107, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,

-37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
108, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
108, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
109, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
109, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
110, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
110, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
111, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
111, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
112, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
112, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
113, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
113, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
114, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
114, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
115, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
115, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
116, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
116, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
117, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
117, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
118, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
118, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
119, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
119, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
120, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
120, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
121, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
121, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
122, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
122, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -28.125, 1, -28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
123, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
123, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
124, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
124, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
125, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
125, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
126, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
126, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
127, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
127, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
128, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
128, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
129, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
129, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
130, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
130, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
131, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
131, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
132, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
132, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
133, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
133, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
134, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
134, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
135, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
135, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
136, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
136, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
137, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
137, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
138, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
138, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
139, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
139, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
140, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
140, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
141, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
141, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
142, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
142, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
143, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
143, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
144, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
144, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
145, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
145, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
146, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
146, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
147, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
147, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
148, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
148, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
149, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
149, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
150, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
150, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
151, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
151, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
152, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
152, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
153, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
153, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
154, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
154, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
155, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
155, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
156, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
156, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
157, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
157, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
158, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
158, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
159, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
159, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
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160, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
161, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
161, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
162, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
162, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
163, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
163, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
164, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
164, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
165, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
165, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
166, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
166, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
167, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
167, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
168, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
168, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
169, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
169, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
170, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
170, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
171, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
171, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
172, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
172, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
173, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
173, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
174, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
174, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
175, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
175, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
176, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
176, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,

0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
177, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
177, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
178, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
178, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
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179, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
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179, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
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182, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
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183, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
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185, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
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186, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
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187, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
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192, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
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-37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
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198, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
199, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
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-37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
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-37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
200, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
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202, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
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0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
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204, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
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205, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
205, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
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206, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
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-37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
207, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
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-37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
208, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
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-37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
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-37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
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-37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
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212, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
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-37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
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0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
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-37.5, 1, -37.5, 0, 0, 0, 0, , NO, 0, 0, NO,
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0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
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243, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
244, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
0, 28.125, 1, 28.125, 0, 0, 0, 0, , NO, 0, 0, NO,
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247, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
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248, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,

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; End of data for load case [슬래브하중]
------------------------
*USE-STLD, 방호벽하중
*BEAMLOAD    ; Element Beam Loads
; ELEM_LIST, CMD, TYPE, DIR, bPROJ, [ECCEN], [VALUE], GROUP
; ELEM_LIST, CMD, TYPE, TYPE, DIR, VX, VY, VZ, bPROJ, [ECCEN], [VALUE], GROUP
; [VALUE]        : D1, P1, D2, P2, D3, P3, D4, P4
; [ECCEN]        : bECCEN, ECCDIR, I-END, J-END, bJ-END
; [ADDITIONAL]   : bADDITIONAL, ADDITIONAL_I-END, ADDITIONAL_J-END, bADDITIONAL_J-END
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  2, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
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  2, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
0, -9.225, 1, -9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
  3, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
0, -9.225, 1, -9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
  3, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-4.6125, 1, -4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
  4, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-4.6125, 1, -4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
  4, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
0, -9.225, 1, -9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
  5, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
0, -9.225, 1, -9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
  5, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-4.6125, 1, -4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
  6, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
0, -9.225, 1, -9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
  6, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-4.6125, 1, -4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
  7, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
0, -9.225, 1, -9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
  7, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-4.6125, 1, -4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
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8, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
8, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
9, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
9, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
10, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
10, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
11, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
11, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
12, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
12, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
13, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
13, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
14, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
14, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
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16, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
17, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
17, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
18, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
18, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
19, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
19, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
20, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
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21, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
21, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
22, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
22, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
23, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
23, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
24, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
24, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
25, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
25, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
26, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
26, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
27, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
27, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
28, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
28, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
29, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
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30, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
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31, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
31, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
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32, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
33, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
33, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
34, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
34, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
35, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
35, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
36, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
36, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
37, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
37, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
38, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
38, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
39, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
39, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
40, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
40, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
41, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
41, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
42, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
42, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
43, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
43, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
44, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
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46, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
46, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
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68, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
69, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
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72, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
72, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
73, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
73, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
74, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
74, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
75, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
75, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
76, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
76, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
77, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
77, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,

78, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
78, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
79, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
79, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
80, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
80, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
81, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
81, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
82, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
82, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
83, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
83, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
84, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
84, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
85, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
85, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
86, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
86, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
87, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
87, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
88, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
88, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
89, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
89, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
90, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
90, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
91, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
91, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
92, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
92, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
93, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
93, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
94, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
94, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
95, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
95, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
96, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
96, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
97, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
97, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
98, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
98, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
99, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
99, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
100, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
100, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
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101, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
102, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
102, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
103, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
103, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
104, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
104, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
105, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
105, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
106, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
106, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
107, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
107, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
108, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
108, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
109, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
109, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
110, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
110, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
111, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
111, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
112, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
112, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
113, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
113, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
114, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
114, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
115, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
115, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
116, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
116, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
117, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
117, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
118, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −9.225, 1, −9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
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138, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 9.225, 1, 9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
138, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
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139, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
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141, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
142, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 9.225, 1, 9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
142, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
143, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 9.225, 1, 9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
143, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
144, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
144, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 9.225, 1, 9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
145, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
145, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 9.225, 1, 9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
146, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 9.225, 1, 9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
146, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,

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147, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
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147, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
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148, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-4.6125, 1, -4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
148, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
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149, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-4.6125, 1, -4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
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155, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
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185, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
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-4.6125, 1, -4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
211, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
0, 9.225, 1, 9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
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-4.6125, 1, -4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
212, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
0, 9.225, 1, 9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
212, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-4.6125, 1, -4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
213, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-4.6125, 1, -4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
213, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
0, 9.225, 1, 9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
214, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-4.6125, 1, -4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
214, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
0, 9.225, 1, 9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
215, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-4.6125, 1, -4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
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0, 9.225, 1, 9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
216, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-4.6125, 1, -4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
216, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
0, 9.225, 1, 9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
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217, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 9.225, 1, 9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
217, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
218, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 9.225, 1, 9.225, 0, 0, 0, 0, , NO, 0, 0, NO,
218, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −4.6125, 1, −4.6125, 0, 0, 0, 0, , NO, 0, 0, NO,
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317, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.875, 1, −6.875, 0, 0, 0, 0, , NO, 0, 0, NO,
318, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.875, 1, −6.875, 0, 0, 0, 0, , NO, 0, 0, NO,
319, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.875, 1, −6.875, 0, 0, 0, 0, , NO, 0, 0, NO,
320, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.875, 1, −6.875, 0, 0, 0, 0, , NO, 0, 0, NO,
321, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.875, 1, −6.875, 0, 0, 0, 0, , NO, 0, 0, NO,
322, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.875, 1, −6.875, 0, 0, 0, 0, , NO, 0, 0, NO,
323, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.875, 1, −6.875, 0, 0, 0, 0, , NO, 0, 0, NO,
324, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.875, 1, −6.875, 0, 0, 0, 0, , NO, 0, 0, NO,
325, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.875, 1, −6.875, 0, 0, 0, 0, , NO, 0, 0, NO,
326, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.875, 1, −6.875, 0, 0, 0, 0, , NO, 0, 0, NO,

```
    327, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.875, 1, -6.875, 0, 0, 0, 0, , NO, 0, 0, NO,
    328, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.875, 1, -6.875, 0, 0, 0, 0, , NO, 0, 0, NO,
    329, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.875, 1, -6.875, 0, 0, 0, 0, , NO, 0, 0, NO,
    330, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.875, 1, -6.875, 0, 0, 0, 0, , NO, 0, 0, NO,
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-6.875, 1, -6.875, 0, 0, 0, 0, , NO, 0, 0, NO,
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    333, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
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    335, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
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    338, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.875, 1, -6.875, 0, 0, 0, 0, , NO, 0, 0, NO,
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-6.875, 1, -6.875, 0, 0, 0, 0, , NO, 0, 0, NO,
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-6.875, 1, -6.875, 0, 0, 0, 0, , NO, 0, 0, NO,
    342, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.875, 1, -6.875, 0, 0, 0, 0, , NO, 0, 0, NO,
    343, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.875, 1, -6.875, 0, 0, 0, 0, , NO, 0, 0, NO,
    344, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.875, 1, -6.875, 0, 0, 0, 0, , NO, 0, 0, NO,
    345, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.875, 1, -6.875, 0, 0, 0, 0, , NO, 0, 0, NO,
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-6.875, 1, -6.875, 0, 0, 0, 0, , NO, 0, 0, NO,
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-6.875, 1, -6.875, 0, 0, 0, 0, , NO, 0, 0, NO,
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-6.875, 1, -6.875, 0, 0, 0, 0, , NO, 0, 0, NO,
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-6.875, 1, -6.875, 0, 0, 0, 0, , NO, 0, 0, NO,
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-6.875, 1, -6.875, 0, 0, 0, 0, , NO, 0, 0, NO,
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-6.875, 1, -6.875, 0, 0, 0, 0, , NO, 0, 0, NO,
    353, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.875, 1, -6.875, 0, 0, 0, 0, , NO, 0, 0, NO,
    354, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.875, 1, -6.875, 0, 0, 0, 0, , NO, 0, 0, NO,
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-6.875, 1, -6.875, 0, 0, 0, 0, , NO, 0, 0, NO,
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-6.875, 1, -6.875, 0, 0, 0, 0, , NO, 0, 0, NO,
    358, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
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-6.875, 1, -6.875, 0, 0, 0, 0, , NO, 0, 0, NO,
    361, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
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-6.875, 1, -6.875, 0, 0, 0, 0, , NO, 0, 0, NO,
    364, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.875, 1, -6.875, 0, 0, 0, 0, , NO, 0, 0, NO,
    365, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.875, 1, -6.875, 0, 0, 0, 0, , NO, 0, 0, NO,
    366, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.875, 1, -6.875, 0, 0, 0, 0, , NO, 0, 0, NO,
; End of data for load case [방호벽하중]
------------------------
*USE-STLD, 포장하중
*BEAMLOAD    ; Element Beam Loads
; ELEM_LIST, CMD, TYPE, DIR, bPROJ, [ECCEN], [VALUE], GROUP
; ELEM_LIST, CMD, TYPE, TYPE, DIR, VX, VY, VZ, bPROJ, [ECCEN], [VALUE], GROUP
; [VALUE]        : D1, P1, D2, P2, D3, P3, D4, P4
; [ECCEN]        : bECCEN, ECCDIR, I-END, J-END, bJ-END
; [ADDITIONAL]   : bADDITIONAL, ADDITIONAL_I-END, ADDITIONAL_J-END, bADDITIONAL_J-END
      1, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.325, 1, -6.325, 0, 0, 0, 0, , NO, 0, 0, NO,
      2, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.325, 1, -6.325, 0, 0, 0, 0, , NO, 0, 0, NO,
      3, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.325, 1, -6.325, 0, 0, 0, 0, , NO, 0, 0, NO,
      4, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.325, 1, -6.325, 0, 0, 0, 0, , NO, 0, 0, NO,
      5, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.325, 1, -6.325, 0, 0, 0, 0, , NO, 0, 0, NO,
      6, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.325, 1, -6.325, 0, 0, 0, 0, , NO, 0, 0, NO,
      7, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.325, 1, -6.325, 0, 0, 0, 0, , NO, 0, 0, NO,
      8, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.325, 1, -6.325, 0, 0, 0, 0, , NO, 0, 0, NO,
      9, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.325, 1, -6.325, 0, 0, 0, 0, , NO, 0, 0, NO,
     10, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.325, 1, -6.325, 0, 0, 0, 0, , NO, 0, 0, NO,
     11, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.325, 1, -6.325, 0, 0, 0, 0, , NO, 0, 0, NO,
     12, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.325, 1, -6.325, 0, 0, 0, 0, , NO, 0, 0, NO,
     13, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.325, 1, -6.325, 0, 0, 0, 0, , NO, 0, 0, NO,
     14, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.325, 1, -6.325, 0, 0, 0, 0, , NO, 0, 0, NO,
     15, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.325, 1, -6.325, 0, 0, 0, 0, , NO, 0, 0, NO,
     16, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.325, 1, -6.325, 0, 0, 0, 0, , NO, 0, 0, NO,
     17, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
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     18, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
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     21, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
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     22, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
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     23, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
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     26, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
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     27, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
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     29, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
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     30, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
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     31, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
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     32, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
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     36, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
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     41, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
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     72, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
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     73, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
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-8.05, 1, -8.05, 0, 0, 0, 0, , NO, 0, 0, NO,
   356, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-8.05, 1, -8.05, 0, 0, 0, 0, , NO, 0, 0, NO,
   357, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-8.05, 1, -8.05, 0, 0, 0, 0, , NO, 0, 0, NO,
   358, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-8.05, 1, -8.05, 0, 0, 0, 0, , NO, 0, 0, NO,
   359, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-8.05, 1, -8.05, 0, 0, 0, 0, , NO, 0, 0, NO,
   360, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-8.05, 1, -8.05, 0, 0, 0, 0, , NO, 0, 0, NO,
   361, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-8.05, 1, -8.05, 0, 0, 0, 0, , NO, 0, 0, NO,
   362, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-8.05, 1, -8.05, 0, 0, 0, 0, , NO, 0, 0, NO,
   363, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-8.05, 1, -8.05, 0, 0, 0, 0, , NO, 0, 0, NO,
   364, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-8.05, 1, -8.05, 0, 0, 0, 0, , NO, 0, 0, NO,
   365, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-8.05, 1, -8.05, 0, 0, 0, 0, , NO, 0, 0, NO,
   366, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-8.05, 1, -8.05, 0, 0, 0, 0, , NO, 0, 0, NO,
; End of data for load case [포장하중]
-------------------------
*USE-STLD, 단위모멘트
*CONLOAD    ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   2, 0, 0, 0, 0, 1, 0,
  65, 0, 0, 0, 0, -1, 0,
 126, 0, 0, 0, 0, 1, 0,
 188, 0, 0, 0, 0, -1, 0,
 249, 0, 0, 0, 0, 1, 0,
 311, 0, 0, 0, 0, -1, 0,
```

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; End of data for load case [단위모멘트]
------------------------
*MVLDCODE ; Moving Load Code
; CODE=CODE
  CODE=KOREA
*LINELANE ; Traffic Line Lanes
; NAME=NAME, LDIST, GROUP, SKEWS, SKEWE, MOVING, LW, WS, bLANEOPT ; line 1
;          iELEM1, ECC1, FACT1, bSPAN1, ECCVL...
          ; from line 2
  NAME=L1, LANE, , 0, 0, BOTH, 3, 1.8, NO
          1, 2.15, 0.188, YES, 0,     2, 2.15, 0.188, NO, 0
          3, 2.15, 0.188, NO, 0,      4, 2.15, 0.188, NO, 0
          5, 2.15, 0.188, NO, 0,      6, 2.15, 0.188, NO, 0
          7, 2.15, 0.188, NO, 0,      8, 2.15, 0.188, NO, 0
          9, 2.15, 0.188, NO, 0,     10, 2.15, 0.188, NO, 0
         11, 2.15, 0.188, NO, 0,     12, 2.15, 0.188, NO, 0
         13, 2.15, 0.188, NO, 0,     14, 2.15, 0.188, NO, 0
         15, 2.15, 0.188, NO, 0,     16, 2.15, 0.188, NO, 0
         18, 2.15, 0.167, NO, 0,     19, 2.15, 0.167, NO, 0
         20, 2.15, 0.167, NO, 0,     21, 2.15, 0.167, NO, 0
         22, 2.15, 0.167, NO, 0,     23, 2.15, 0.167, NO, 0
         24, 2.15, 0.167, NO, 0,     25, 2.15, 0.167, NO, 0
         26, 2.15, 0.167, NO, 0,     27, 2.15, 0.167, NO, 0
         28, 2.15, 0.167, NO, 0,     29, 2.15, 0.167, NO, 0
         30, 2.15, 0.167, NO, 0,     31, 2.15, 0.167, NO, 0
         32, 2.15, 0.167, NO, 0,     33, 2.15, 0.167, NO, 0
         34, 2.15, 0.167, NO, 0,     35, 2.15, 0.167, NO, 0
         36, 2.15, 0.167, NO, 0,     37, 2.15, 0.167, NO, 0
         38, 2.15, 0.167, NO, 0,     39, 2.15, 0.167, NO, 0
         40, 2.15, 0.167, NO, 0,     41, 2.15, 0.167, NO, 0
         42, 2.15, 0.167, NO, 0,     43, 2.15, 0.167, NO, 0
         44, 2.15, 0.167, NO, 0,     45, 2.15, 0.167, NO, 0
         46, 2.15, 0.167, NO, 0,     47, 2.15, 0.167, NO, 0
         48, 2.15, 0.167, NO, 0,     49, 2.15, 0.167, NO, 0
         50, 2.15, 0.167, NO, 0,     51, 2.15, 0.167, NO, 0
         52, 2.15, 0.167, NO, 0,     53, 2.15, 0.167, NO, 0
         54, 2.15, 0.167, NO, 0,     55, 2.15, 0.167, NO, 0
         56, 2.15, 0.167, NO, 0,     57, 2.15, 0.167, NO, 0
         58, 2.15, 0.167, NO, 0,     59, 2.15, 0.167, NO, 0
         60, 2.15, 0.167, NO, 0,     61, 2.15, 0.167, NO, 0
         122, 2.15, 0.167, NO, 0,    121, 2.15, 0.167, NO, 0
         120, 2.15, 0.167, NO, 0,    119, 2.15, 0.167, NO, 0
         118, 2.15, 0.167, NO, 0,    117, 2.15, 0.167, NO, 0
         116, 2.15, 0.167, NO, 0,    115, 2.15, 0.167, NO, 0
         114, 2.15, 0.167, NO, 0,    113, 2.15, 0.167, NO, 0
         112, 2.15, 0.167, NO, 0,    111, 2.15, 0.167, NO, 0
         110, 2.15, 0.167, NO, 0,    109, 2.15, 0.167, NO, 0
         108, 2.15, 0.167, NO, 0,    107, 2.15, 0.167, NO, 0
         106, 2.15, 0.167, NO, 0,    105, 2.15, 0.167, NO, 0
         104, 2.15, 0.167, NO, 0,    103, 2.15, 0.167, NO, 0
         102, 2.15, 0.167, NO, 0,    101, 2.15, 0.167, NO, 0
         100, 2.15, 0.167, NO, 0,    99, 2.15, 0.167, NO, 0
         98, 2.15, 0.167, NO, 0,     97, 2.15, 0.167, NO, 0
         96, 2.15, 0.167, NO, 0,     95, 2.15, 0.167, NO, 0
         94, 2.15, 0.167, NO, 0,     93, 2.15, 0.167, NO, 0
         92, 2.15, 0.167, NO, 0,     91, 2.15, 0.167, NO, 0
         90, 2.15, 0.167, NO, 0,     89, 2.15, 0.167, NO, 0
         88, 2.15, 0.167, NO, 0,     87, 2.15, 0.167, NO, 0
         86, 2.15, 0.167, NO, 0,     85, 2.15, 0.167, NO, 0
         84, 2.15, 0.167, NO, 0,     83, 2.15, 0.167, NO, 0
         82, 2.15, 0.167, NO, 0,     81, 2.15, 0.167, NO, 0
         80, 2.15, 0.167, NO, 0,     79, 2.15, 0.167, NO, 0
         78, 2.15, 0.188, NO, 0,     77, 2.15, 0.188, NO, 0
         76, 2.15, 0.188, NO, 0,     75, 2.15, 0.188, NO, 0
         74, 2.15, 0.188, NO, 0,     73, 2.15, 0.188, NO, 0
         72, 2.15, 0.188, NO, 0,     71, 2.15, 0.188, NO, 0
         70, 2.15, 0.188, NO, 0,     69, 2.15, 0.188, NO, 0
         68, 2.15, 0.188, NO, 0,     67, 2.15, 0.188, NO, 0
         66, 2.15, 0.188, NO, 0,     65, 2.15, 0.188, NO, 0
         64, 2.15, 0.188, NO, 0,     63, 2.15, 0.188, NO, 0
         62, 2.15, 0.188, NO, 0
  NAME=L2, LANE, , 0, 0, BOTH, 3, 1.8, NO
         245, -1.75, 0.188, YES, 0,  246, -1.75, 0.188, NO, 0
         247, -1.75, 0.188, NO, 0,   248, -1.75, 0.188, NO, 0
         249, -1.75, 0.188, NO, 0,   250, -1.75, 0.188, NO, 0
         251, -1.75, 0.188, NO, 0,   252, -1.75, 0.188, NO, 0
         253, -1.75, 0.188, NO, 0,   254, -1.75, 0.188, NO, 0
         255, -1.75, 0.188, NO, 0,   256, -1.75, 0.188, NO, 0
         257, -1.75, 0.188, NO, 0,   258, -1.75, 0.188, NO, 0
         259, -1.75, 0.188, NO, 0,   260, -1.75, 0.188, NO, 0
         261, -1.75, 0.188, NO, 0,   262, -1.75, 0.167, NO, 0
         263, -1.75, 0.167, NO, 0,   264, -1.75, 0.167, NO, 0
         265, -1.75, 0.167, NO, 0,   266, -1.75, 0.167, NO, 0
         267, -1.75, 0.167, NO, 0,   268, -1.75, 0.167, NO, 0
         269, -1.75, 0.167, NO, 0,   270, -1.75, 0.167, NO, 0
         271, -1.75, 0.167, NO, 0,   272, -1.75, 0.167, NO, 0
         273, -1.75, 0.167, NO, 0,   274, -1.75, 0.167, NO, 0
         275, -1.75, 0.167, NO, 0,   276, -1.75, 0.167, NO, 0
         277, -1.75, 0.167, NO, 0,   278, -1.75, 0.167, NO, 0
         279, -1.75, 0.167, NO, 0,   280, -1.75, 0.167, NO, 0
         281, -1.75, 0.167, NO, 0,   282, -1.75, 0.167, NO, 0
         283, -1.75, 0.167, NO, 0,   284, -1.75, 0.167, NO, 0
         285, -1.75, 0.167, NO, 0,   286, -1.75, 0.167, NO, 0
         287, -1.75, 0.167, NO, 0,   288, -1.75, 0.167, NO, 0
         289, -1.75, 0.167, NO, 0,   290, -1.75, 0.167, NO, 0
         291, -1.75, 0.167, NO, 0,   292, -1.75, 0.167, NO, 0
         293, -1.75, 0.167, NO, 0,   294, -1.75, 0.167, NO, 0
         295, -1.75, 0.167, NO, 0,   296, -1.75, 0.167, NO, 0
         297, -1.75, 0.167, NO, 0,   298, -1.75, 0.167, NO, 0
         299, -1.75, 0.167, NO, 0,   300, -1.75, 0.167, NO, 0
         301, -1.75, 0.167, NO, 0,   302, -1.75, 0.167, NO, 0
         303, -1.75, 0.167, NO, 0,   304, -1.75, 0.167, NO, 0
         305, -1.75, 0.167, NO, 0,   349, -1.75, 0.167, NO, 0
         348, -1.75, 0.167, NO, 0,   347, -1.75, 0.167, NO, 0
         346, -1.75, 0.167, NO, 0,   345, -1.75, 0.167, NO, 0
         344, -1.75, 0.167, NO, 0,   343, -1.75, 0.167, NO, 0
         342, -1.75, 0.167, NO, 0,   341, -1.75, 0.167, NO, 0
         340, -1.75, 0.167, NO, 0,   339, -1.75, 0.167, NO, 0
         338, -1.75, 0.167, NO, 0,   337, -1.75, 0.167, NO, 0
         336, -1.75, 0.167, NO, 0,   335, -1.75, 0.167, NO, 0
         334, -1.75, 0.167, NO, 0,   333, -1.75, 0.167, NO, 0
         332, -1.75, 0.167, NO, 0,   331, -1.75, 0.167, NO, 0
         330, -1.75, 0.167, NO, 0,   329, -1.75, 0.167, NO, 0
         328, -1.75, 0.167, NO, 0,   327, -1.75, 0.167, NO, 0
         326, -1.75, 0.167, NO, 0,   325, -1.75, 0.167, NO, 0
         324, -1.75, 0.167, NO, 0,   323, -1.75, 0.167, NO, 0
         322, -1.75, 0.167, NO, 0,   321, -1.75, 0.167, NO, 0
         320, -1.75, 0.167, NO, 0,   319, -1.75, 0.167, NO, 0
         318, -1.75, 0.167, NO, 0,   317, -1.75, 0.167, NO, 0
         316, -1.75, 0.167, NO, 0,   315, -1.75, 0.167, NO, 0
         314, -1.75, 0.167, NO, 0,   313, -1.75, 0.167, NO, 0
         312, -1.75, 0.167, NO, 0,   311, -1.75, 0.167, NO, 0
         310, -1.75, 0.167, NO, 0,   309, -1.75, 0.167, NO, 0
         308, -1.75, 0.167, NO, 0,   307, -1.75, 0.167, NO, 0
         306, -1.75, 0.167, NO, 0,   366, -1.75, 0.188, NO, 0
         365, -1.75, 0.188, NO, 0,   364, -1.75, 0.188, NO, 0
         363, -1.75, 0.188, NO, 0,   362, -1.75, 0.188, NO, 0
         361, -1.75, 0.188, NO, 0,   360, -1.75, 0.188, NO, 0
         359, -1.75, 0.188, NO, 0,   358, -1.75, 0.188, NO, 0
         357, -1.75, 0.188, NO, 0,   356, -1.75, 0.188, NO, 0
         355, -1.75, 0.188, NO, 0,   354, -1.75, 0.188, NO, 0
         353, -1.75, 0.188, NO, 0,   352, -1.75, 0.188, NO, 0
         351, -1.75, 0.188, NO, 0,   350, -1.75, 0.188, NO, 0
  NAME=L3, LANE, , 0, 0, BOTH, 3, 1.8, NO
         245, 1.75, 0.188, YES, 0,   246, 1.75, 0.188, NO, 0
         247, 1.75, 0.188, NO, 0,    248, 1.75, 0.188, NO, 0
         249, 1.75, 0.188, NO, 0,    250, 1.75, 0.188, NO, 0
         251, 1.75, 0.188, NO, 0,    252, 1.75, 0.188, NO, 0
         253, 1.75, 0.188, NO, 0,    254, 1.75, 0.188, NO, 0
         255, 1.75, 0.188, NO, 0,    256, 1.75, 0.188, NO, 0
         257, 1.75, 0.188, NO, 0,    258, 1.75, 0.188, NO, 0
         259, 1.75, 0.188, NO, 0,    260, 1.75, 0.188, NO, 0
         261, 1.75, 0.188, NO, 0,    262, 1.75, 0.167, NO, 0
         263, 1.75, 0.167, NO, 0,    264, 1.75, 0.167, NO, 0
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265, 1.75, 0.167, NO, 0,    266, 1.75, 0.167, NO, 0
267, 1.75, 0.167, NO, 0,    268, 1.75, 0.167, NO, 0
269, 1.75, 0.167, NO, 0,    270, 1.75, 0.167, NO, 0
271, 1.75, 0.167, NO, 0,    272, 1.75, 0.167, NO, 0
273, 1.75, 0.167, NO, 0,    274, 1.75, 0.167, NO, 0
275, 1.75, 0.167, NO, 0,    276, 1.75, 0.167, NO, 0
277, 1.75, 0.167, NO, 0,    278, 1.75, 0.167, NO, 0
279, 1.75, 0.167, NO, 0,    280, 1.75, 0.167, NO, 0
281, 1.75, 0.167, NO, 0,    282, 1.75, 0.167, NO, 0
283, 1.75, 0.167, NO, 0,    284, 1.75, 0.167, NO, 0
285, 1.75, 0.167, NO, 0,    286, 1.75, 0.167, NO, 0
287, 1.75, 0.167, NO, 0,    288, 1.75, 0.167, NO, 0
289, 1.75, 0.167, NO, 0,    290, 1.75, 0.167, NO, 0
291, 1.75, 0.167, NO, 0,    292, 1.75, 0.167, NO, 0
293, 1.75, 0.167, NO, 0,    294, 1.75, 0.167, NO, 0
295, 1.75, 0.167, NO, 0,    296, 1.75, 0.167, NO, 0
297, 1.75, 0.167, NO, 0,    298, 1.75, 0.167, NO, 0
299, 1.75, 0.167, NO, 0,    300, 1.75, 0.167, NO, 0
301, 1.75, 0.167, NO, 0,    302, 1.75, 0.167, NO, 0
303, 1.75, 0.167, NO, 0,    304, 1.75, 0.167, NO, 0
305, 1.75, 0.167, NO, 0,    349, 1.75, 0.167, NO, 0
348, 1.75, 0.167, NO, 0,    347, 1.75, 0.167, NO, 0
346, 1.75, 0.167, NO, 0,    345, 1.75, 0.167, NO, 0
344, 1.75, 0.167, NO, 0,    343, 1.75, 0.167, NO, 0
342, 1.75, 0.167, NO, 0,    341, 1.75, 0.167, NO, 0
340, 1.75, 0.167, NO, 0,    339, 1.75, 0.167, NO, 0
338, 1.75, 0.167, NO, 0,    337, 1.75, 0.167, NO, 0
336, 1.75, 0.167, NO, 0,    335, 1.75, 0.167, NO, 0
334, 1.75, 0.167, NO, 0,    333, 1.75, 0.167, NO, 0
332, 1.75, 0.167, NO, 0,    331, 1.75, 0.167, NO, 0
330, 1.75, 0.167, NO, 0,    329, 1.75, 0.167, NO, 0
328, 1.75, 0.167, NO, 0,    327, 1.75, 0.167, NO, 0
326, 1.75, 0.167, NO, 0,    325, 1.75, 0.167, NO, 0
324, 1.75, 0.167, NO, 0,    323, 1.75, 0.167, NO, 0
322, 1.75, 0.167, NO, 0,    321, 1.75, 0.167, NO, 0
320, 1.75, 0.167, NO, 0,    319, 1.75, 0.167, NO, 0
318, 1.75, 0.167, NO, 0,    317, 1.75, 0.167, NO, 0
316, 1.75, 0.167, NO, 0,    315, 1.75, 0.167, NO, 0
314, 1.75, 0.167, NO, 0,    313, 1.75, 0.167, NO, 0
312, 1.75, 0.167, NO, 0,    311, 1.75, 0.167, NO, 0
310, 1.75, 0.167, NO, 0,    309, 1.75, 0.167, NO, 0
308, 1.75, 0.167, NO, 0,    307, 1.75, 0.167, NO, 0
306, 1.75, 0.167, NO, 0,    366, 1.75, 0.188, NO, 0
365, 1.75, 0.188, NO, 0,    364, 1.75, 0.188, NO, 0
363, 1.75, 0.188, NO, 0,    362, 1.75, 0.188, NO, 0
361, 1.75, 0.188, NO, 0,    360, 1.75, 0.188, NO, 0
359, 1.75, 0.188, NO, 0,    358, 1.75, 0.188, NO, 0
357, 1.75, 0.188, NO, 0,    356, 1.75, 0.188, NO, 0
355, 1.75, 0.188, NO, 0,    354, 1.75, 0.188, NO, 0
353, 1.75, 0.188, NO, 0,    352, 1.75, 0.188, NO, 0
351, 1.75, 0.188, NO, 0,    350, 1.75, 0.188, NO, 0
NAME=L4, LANE, , 0, 0, BOTH, 3, 1.8, NO
123, -2.15, 0.188, YES, 0,    124, -2.15, 0.188, NO, 0
125, -2.15, 0.188, NO, 0,    126, -2.15, 0.188, NO, 0
127, -2.15, 0.188, NO, 0,    128, -2.15, 0.188, NO, 0
129, -2.15, 0.188, NO, 0,    130, -2.15, 0.188, NO, 0
131, -2.15, 0.188, NO, 0,    132, -2.15, 0.188, NO, 0
133, -2.15, 0.188, NO, 0,    134, -2.15, 0.188, NO, 0
135, -2.15, 0.188, NO, 0,    136, -2.15, 0.188, NO, 0
137, -2.15, 0.188, NO, 0,    138, -2.15, 0.188, NO, 0
139, -2.15, 0.188, NO, 0,    140, -2.15, 0.167, NO, 0
141, -2.15, 0.167, NO, 0,    142, -2.15, 0.167, NO, 0
143, -2.15, 0.167, NO, 0,    144, -2.15, 0.167, NO, 0
145, -2.15, 0.167, NO, 0,    146, -2.15, 0.167, NO, 0
147, -2.15, 0.167, NO, 0,    148, -2.15, 0.167, NO, 0
149, -2.15, 0.167, NO, 0,    150, -2.15, 0.167, NO, 0
151, -2.15, 0.167, NO, 0,    152, -2.15, 0.167, NO, 0
153, -2.15, 0.167, NO, 0,    154, -2.15, 0.167, NO, 0
155, -2.15, 0.167, NO, 0,    156, -2.15, 0.167, NO, 0
157, -2.15, 0.167, NO, 0,    158, -2.15, 0.167, NO, 0
159, -2.15, 0.167, NO, 0,    160, -2.15, 0.167, NO, 0
161, -2.15, 0.167, NO, 0,    162, -2.15, 0.167, NO, 0
163, -2.15, 0.167, NO, 0,    164, -2.15, 0.167, NO, 0
165, -2.15, 0.167, NO, 0,    166, -2.15, 0.167, NO, 0
167, -2.15, 0.167, NO, 0,    168, -2.15, 0.167, NO, 0
169, -2.15, 0.167, NO, 0,    170, -2.15, 0.167, NO, 0
171, -2.15, 0.167, NO, 0,    172, -2.15, 0.167, NO, 0
173, -2.15, 0.167, NO, 0,    174, -2.15, 0.167, NO, 0
175, -2.15, 0.167, NO, 0,    176, -2.15, 0.167, NO, 0
177, -2.15, 0.167, NO, 0,    178, -2.15, 0.167, NO, 0
179, -2.15, 0.167, NO, 0,    180, -2.15, 0.167, NO, 0
181, -2.15, 0.167, NO, 0,    182, -2.15, 0.167, NO, 0
183, -2.15, 0.167, NO, 0,    244, -2.15, 0.167, NO, 0
243, -2.15, 0.167, NO, 0,    242, -2.15, 0.167, NO, 0
241, -2.15, 0.167, NO, 0,    240, -2.15, 0.167, NO, 0
239, -2.15, 0.167, NO, 0,    238, -2.15, 0.167, NO, 0
237, -2.15, 0.167, NO, 0,    236, -2.15, 0.167, NO, 0
235, -2.15, 0.167, NO, 0,    234, -2.15, 0.167, NO, 0
233, -2.15, 0.167, NO, 0,    232, -2.15, 0.167, NO, 0
231, -2.15, 0.167, NO, 0,    230, -2.15, 0.167, NO, 0
229, -2.15, 0.167, NO, 0,    228, -2.15, 0.167, NO, 0
227, -2.15, 0.167, NO, 0,    226, -2.15, 0.167, NO, 0
225, -2.15, 0.167, NO, 0,    224, -2.15, 0.167, NO, 0
223, -2.15, 0.167, NO, 0,    222, -2.15, 0.167, NO, 0
221, -2.15, 0.167, NO, 0,    220, -2.15, 0.167, NO, 0
219, -2.15, 0.167, NO, 0,    218, -2.15, 0.167, NO, 0
217, -2.15, 0.167, NO, 0,    216, -2.15, 0.167, NO, 0
215, -2.15, 0.167, NO, 0,    214, -2.15, 0.167, NO, 0
213, -2.15, 0.167, NO, 0,    212, -2.15, 0.167, NO, 0
211, -2.15, 0.167, NO, 0,    210, -2.15, 0.167, NO, 0
209, -2.15, 0.167, NO, 0,    208, -2.15, 0.167, NO, 0
207, -2.15, 0.167, NO, 0,    206, -2.15, 0.167, NO, 0
205, -2.15, 0.167, NO, 0,    204, -2.15, 0.167, NO, 0
203, -2.15, 0.167, NO, 0,    202, -2.15, 0.167, NO, 0
201, -2.15, 0.167, NO, 0,    200, -2.15, 0.188, NO, 0
199, -2.15, 0.188, NO, 0,    198, -2.15, 0.188, NO, 0
197, -2.15, 0.188, NO, 0,    196, -2.15, 0.188, NO, 0
195, -2.15, 0.188, NO, 0,    194, -2.15, 0.188, NO, 0
193, -2.15, 0.188, NO, 0,    192, -2.15, 0.188, NO, 0
191, -2.15, 0.188, NO, 0,    190, -2.15, 0.188, NO, 0
189, -2.15, 0.188, NO, 0,    188, -2.15, 0.188, NO, 0
187, -2.15, 0.188, NO, 0,    186, -2.15, 0.188, NO, 0
185, -2.15, 0.188, NO, 0,    184, -2.15, 0.188, NO, 0
*VEHICLE    ; Vehicles
; if Moving Load Code is China
;    NAME=NAME,    1,    TYPE-NAME,    CODE    ; standard
;    NAME=NAME,    2,    LTYPE,    [TRUCK/LANE]    or [TRAIN/SUBWAY] or [CROWD]    ; user: line 1
;    LOAD1,    DIST1,    LOAD2,    DIST2,    ...    ; user: from line 2
;    [TRUCK/LANE]    :    1,    P,    Qm,    Qq    ; truck(JTG)
;    [TRUCK/LANE]    :    2,    P,    Qm,    Qq    ; lane load1
;    [TRUCK/LANE]    :    3,    Qk,    Pk1,    L1,    Pk2,    L2    ; lane load2
;    [TRUCK/LANE]    :    4,    dW,    dD    ; crawler type
;    [TRUCK/LANE]    :    5    ; GC type load
;    [TRAIN/SUBWAY]    :    iTYPE,    W1,    D1,    W2,    D2    ; train-type1,3
; [TRAIN/SUBWAY] : iTYPE, DD, FD, BD, MAINCOUNT    ; train-type2
; [TRAIN/SUBWAY] : 4, P1, D1, P2, D2, P3, D3, P4, dD, Po, n, IFR    ; subway
;    [CROWD]    :    1,    dW1    ; crowd-type1
;    [CROWD]    :    2,    dW1,    dL1,    dW2,    dL2,    WIDTH    ; crowd-type2
; if Moving Load Type is India
;    NAME=NAME,    1,    TYPE-NAME,    CODE    ; standard
; NAME=NAME, 2, bWTB, P, D, Pb, Db, dD1, dD2, NDIST    ; user: line 1
;    NAME=NAME,    2,    bWTB,    dD1,    dD2,    NDIST    ; user: line 1
;    LOAD1,    DIST1,    LOAD2,    DIST2,    ...    ; user: from line 2
; if Moving Load Code is CANADA
;    NAME=NAME,    1,    TYPE-NAME,    DLA,    CODE,    [DYNA]    ; standard
;    NAME=NAME,    2,    bTRAIN,    W(W1),    PL(D1),    PLM(W2), PLV(D2), NDIST, [DYNA]    ; user: line 1
;    LOAD1,    DIST1,    LOAD2,    DIST2,    ...    ; user: from line 2
; [DYNA] : nDYNA, FACT1AXLE, FACT2AXLE, FACT3AXLE    ; Dynamic Load Allowance
; if Moving Load Code is BS
;    NAME=NAME,    1,    TYPE-NAME,    CODE,    UNITNUM    ; standard
;    NAME=nLane,    FACTOR1,    FACTOR2,    FACTOR3, FACTOR4    ; HA, HA & HB, HA
```

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& HB(Auto)
; NAME=NAME, 2, iSTYPE, W1, W2, W3, L, Pa, Pb, D1, D2, d, UNITNUM ; user(BS 5400)
; NAME=NAME, 2, iSTYPE, [BD37/01-HA], [BS-DATA-LF] ; user(HA)
; NAME=NAME, 2, iSTYPE, [BS-DATA-HB] ; user(HB)
; NAME=NAME, 2, iSTYPE, [BD37/01-HA2], [BS-DATA-HB2], [BS-DATA-LF] ; user(HA&HB)
; NAME=NAME, 2, iSTYPE, [BD37/01-HA], [BD37/01-HB], [BS-DATA-LF] ; user(HA&HB(AUTO))
; NAME=NAME, 2, iSTYPE, W, L ; user(Pedestrian)
; NAME=NAME, 2, iSTYPE, V, AN, MINS, MAXS, P1, D1, P2, D2, ... ; user(Special Vehicle)
; [BS-DATA-HA] : W1, W2, W3, EXP, EXP2, L1, L2, Pa
; [BS-DATA-HA2] : W1, W2, W3, EXP, EXP2, L1, L2
; [BS-DATA-HB] : Pb, D1, D2, d, UNITNUM
; [BS-DATA-HB2] : Pb, D1, D2, d, dd, UNITNUM
; [BS-DATA-LF] : nLT, LF1, LF2, LF3, LF4
; if Moving Load Code is EUROCODE
; NAME=NAME, 1, iTYPE, TYPE-NAME, PSY1, PSY2, PHI, [AF7] ; standard (LM1, FLM1)
; NAME=NAME, 1, iTYPE, TYPE-NAME, bDF, bU, PHI, PSY, ADJ, IN ; standard (others)
; NAME=NAME, 2, 1, [AF7] ; user(Type 1)
; [LOAD7], D, PHI, TPSY, UPSY ; user(Type 1): line 2
; NAME=NAME, 2, 2, ALP, TPSY, W, BET, LPSY, P1, D1, P2, D2, ... ; user(Type 2)
; NAME=NAME, 2, 3 ; user(Type 3)
; [LOADCASE1] ; user(Type 3): line 2
; [LOADCASE2] ; user(Type 3): line 3
; [LOADCASE3] ; user(Type 3): line 4
; NAME=NAME, 2, 4, WS, V, AN, MINS, MAXS, DYF, UI, F, P1, D1, P2, D2, ... ; user(Type 4)
; NAME=NAME, 2, 5, INT, bPHI1, PHI1, bPHI2, PHI2 ; user(Type 5)
; [VEHICLE1] ; user(Type 5): line 2
; [VEHICLE2] ; user(Type 5): line 3
; [VEHICLE3] ; user(Type 5): line 4
; [AF7] : TF1, TF2, TF3, UF1, UF2, UF3, UF4 ; adjustment factor
; [LOAD7] : TL1, TL2, TL3, UL1, UL2, UL3, UL4 ; tandem/udl loads
; [LOADCASE] : bUSE, N, bDF, bUI, PHI, P1, L1, P2, L2, ... ; load case
; [VEHICLE] : bUSE, N, P1, L1, P2, L2, ... ; vehicle
; if Moving Load Code is RUSSIA
; NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC, bFATI, nLOADFAC, dLOADFAC ; standard (SK)
; NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC, bFATI, nLOADFAC, dLOADFAC ; standard (SK FATIGUE)
; NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC, dDYNAFAC_UDL
; bFATI, nLOADFAC, dLOADFAC, dLOADFAC_UDL, s1, s1_UDL ; standard (AK)
; NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC, nLOADFAC, dLOADFAC,
; bTWOVEHI, TWOVEHI_FACT, b2NDREDUC, 2NDREDUC_FACT ; standard (N14)
; NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC, nLOADFAC, dLOADFAC,
; bTWOVEHI, TWOVEHI_FACT, b2NDREDUC, 2NDREDUC_FACT ; standard (N11)
; NAME=NAME, 1, iTYPE, nDYNAFAC, dDYNAFAC, dEMPTYCAR
; bFATI, nLOADFAC, dLOADFAC, dLOADFAC ; standard (SUBWAY TRAINS)
; NAME=NAME, 1, iTYPE, VARIABLE, nDYNAFAC, dDYNAFAC, dEMPTYCAR
; bFATI, nLOADFAC, dLOADFAC, dLOADFAC ; standard (TRAMCARS)
; NAME=NAME, 1, iTYPE, nDYNAFAC, dDYNAFAC, bFATI, nLOADFAC, dLOADFAC ; standard (NK-80)
; NAME=NAME, 1, iTYPE, W, D, nDYNAFAC, dDYNAFAC, bFATI, nLOADFAC, dLOADFAC ; standard (NG-60)
; NAME=NAME, 1, iTYPE, BRIDGETYPE, W, bFATI, nLOADFAC, dLOADFAC ; standard (UNIFORM LOAD)
; NAME=NAME, 1, iTYPE, BRIDGETYPE, W, bFATI, nLOADFAC, dLOADFAC ; standard (UNIFORM LOAD(W/O OTHER LOADS))
; NAME=NAME, 1, iTYPE, BRIDGETYPE, P ; standard (CONCENTRATED LOAD (W/O OTHER LOADS))
; NAME=NAME, 2, iTYPE, W, nDYNAFAC, dDYNAFAC, dDYNAFAC_UDL
; bFATI, nLOADFAC, dLOADFAC, dLOADFAC_UDL, s1, s1_UDL ; user (Type 1)
; NAME=NAME, 2, iTYPE, nDYNAFAC, dDYNAFAC, dEMPTYCAR
; bFATI, nLOADFAC, dLOADFAC, dLOADFAC ; user (Type 2)
; NAME=NAME, 2, iTYPE, Variable, nDYNAFAC, dDYNAFAC, dEMPTYCAR
; bFATI, nLOADFAC, dLOADFAC, dLOADFAC ; user (Type 3)
; NAME=NAME, 2, iTYPE, nDYNAFAC, dDYNAFAC, nLOADFAC, dLOADFAC
; bTWOVEHI, TWOVEHI_FACT, b2NDREDUC, 2NDREDUC_FACT ; user (Type 4)
; NAME=NAME, 2, iTYPE, nDYNAFAC, dDYNAFAC, nLOADFAC, dLOADFAC
; bTWOVEHI, TWOVEHI_FACT, b2NDREDUC, 2NDREDUC_FACT ; user (Type 5)
; NAME=NAME, 2, iTYPE, W, D, nDYNAFAC, dDYNAFAC, bFATI, nLOADFAC, dLOADFAC ; user (Type 6)
; NAME=NAME, 2, iTYPE, P, W, bFATI, nLOADFAC, dLOADFAC ; user (Type 7)
; if Moving Load Code is KSCE-LSD15
; NAME=NAME, 1, TYPE-NAME, nLANETYPE, dDYNAFAC, CODE ; standard
; NAME=NAME, 2, 8, L1, W1, W2, EXP ; user: line 1 (Type 1)
; NAME=NAME, 2, 1, W1, W2, D1, D2 ; user: line 1 (Type 2)
; NAME=NAME, 2, 6, LOADNUM, DIST, W, L ; user: line 1 (Type 3)
; LOAD1, DIST1, LOAD2, DIST2, ... ; user: from line 2
; if Moving Load Code is AASHTO LRFD, CANADA and Load Type is Permit Truck
; NAME=NAME, 3, AXLE-TYPE-NUM, IMP-FACTOR ; user(Permit Truck)
; AXLE-TYPE-NAME1, bEDWL1, bSV1, P1, D1, P2, D2, ..., Pn, Dn ; user(from line 2)
; ...

; AXLE-TYPE-NAMEn, bEDWLn, bSVn, P1, D1, P2, D2, ..., Pn, Dn
; AXLE-TYPE1, SPACING1, bVS1, AXLE-TYPE2, SPACING2, bVS2 ... ; line 2+AXLE-TYPE-NUM
; if Moving Load Code is not one of those specified above.
; NAME=NAME, 1, TYPE-NAME, DLA, CODE ; standard
; NAME=NAME, 2, bTRAIN, W(W1), PL(D1), PLM(W2), PLV(D2), NDIST ; user: line 1
; LOAD1, DIST1, LOAD2, DIST2, ... ; user: from line 2
  NAME=DB-24, 1, DB-24, 0, KS-RB
  NAME=DL-24, 1, DL-24, 0, KS-RB
*MVLDCASE ; Moving Load Cases
; NAME=NAME, bLCPV, SCALE1, SCALE2, SCALE3, SCALE4, SCALE5, SCALE6, COMB, DESC, LCOM, SERIAL ; 1st line
; nLTYPE, 2LFACTOR1, 2LFACTOR2, 3LFACTOR1, 3LFACTOR2, 3LFACTOR3, 3LFACTOR4 ; 2st line
; TYPE1, VCLASS1, SCALE1, iMIN1, iMAX1, LANE11, LANE12, ... ; 3nd line
; ...
; ...
; TYPEn, VCLASSn, SCALEn, iMINn, iMAXn, LANEn1, LANEn2, ... ; n+1th line
; NAME=NAME, bLCPV, VEHICLE, REFLANE, ECCEN, SCALE, DESC ; Permit
  NAME=활하중, NO, 1, 1, 0.9, 0.75, 0.75, 0.75, INDEPENDENT, , 0, 1
    1, 1, 1, 1, 1, 0.5, 0.25
    VL, DB-24, 1, 1, 4, L1, L2, L3, L4
    VL, DL-24, 1, 1, 4, L1, L2, L3, L4
*SM-GROUP ; Settlement Group
; GRNAME, DISPLACEMENT, NODE_LIST
  A1, -0.01, 2 126 249
  P1, -0.01, 17 142 265
  P2, -0.01, 30 164 287
  P3, -0.01, 63 186 309
  P4, -0.01, 103 226 349
  P5, -0.01, 81 204 327
  A2, -0.01, 65 188 311
*SMLDCASE ; Settlement Load Cases
; NAME=NAME, iSMIN, iSMAX, SCALE, DESC ; line 1
; GRNAME1, GRNAME2, ... ; from line 2
  NAME=지점침하, 1, 6, 1,
    A1, P1, P2, P3, P4, P5, A2
*LOADCOMB ; Combinations
; NAME=NAME, KIND, ACTIVE, bES, iTYPE, DESC, iSERV-TYPE, nLCOMTYPE ; line 1
; ANAL1, LCNAME1, FACT1, ... ; from line 2
  NAME=합성전, GEN, ACTIVE, 0, 0, , 0, 0
    ST, 자중, 1, ST, 슬래브하중, 1
  NAME=합성후, GEN, ACTIVE, 0, 0, , 0, 0
    ST, 방호벽하중, 1, ST, 포장하중, 1
*LC-COLOR ; Diagram Color for Load Case
; ANAL, LCNAME, iR1(ALL), iG1(ALL), iB1(ALL), iR2(MIN), iG2(MIN), iB2(MIN), iR3(MAX), iG2(MAX), iB2(MAX)
  ST, 자중, 128, 192, 0, 146, 0, 255, 163, 160, 255
  ST, 슬래브하중, 212, 160, 255, 255, 0, 128, 85, 192, 0
  ST, 방호벽하중, 85, 0, 192, 255, 0, 192, 78, 0, 255
  ST, 포장하중, 210, 210, 210, 192, 192, 192, 163, 255, 160
  ST, 단위모멘트, 0, 128, 128, 255, 87, 128, 255, 128, 0
  MV, 활하중, 0, 128, 192, 255, 192, 87, 255, 192, 87
  SM, 지점침하, 255, 0, 192, 0, 128, 57, 0, 128, 192
  CB, 합성전, 0, 192, 192, 255, 87, 87, 192, 128, 0
  CB, 합성후, 255, 0, 128, 160, 192, 255, 255, 160, 255
*EIGEN-CTRL ; Eigenvalue Analysis Control
; TYPE, iFREQ, iITER, iDIM, TOL, bMINMAX, FRMIN, FRMAX, bSTRUM ; TYPE=EIGEN
; TYPE, bINCNL, iGNUM ; TYPE=RITZ(line 1)
; KIND1, CASE1/GROUND1, iNOG1, ... ; TYPE=RITZ(from line2)
  LANCZOS, 10, 20, 1, 1e-010, NO, 0, 0, NO
*DGN-MATL ; Modify Steel(Concrete) Material
; iMAT, TYPE, MNAME, [DATA1] ; STEEL
; iMAT, TYPE, MNAME, [DATA2], [R-DATA], FCI, bSERV, SHORT, LONG ; CONC
; iMAT, TYPE, MNAME, [DATA3], [DATA2], [R-DATA] ; SRC
; iMAT, TYPE, MNAME, [DATA5] ; STEEL(None) & KSCE-ASD05
; [DATA1] : 1, DB, CODE, NAME or 2, ELAST, POISN, FU, FY1, FY2, FY3, FY4
; FY5, FY6, AFT, AFT2, AFT3, FY, AFV, AFV2, AFV3
; [DATA2] : 1, DB, CODE, NAME or 2, FC, CHK, LAMBDA
; [DATA3] : 1, DB, CODE, NAME or 2, ELAST, FU, FY1, FY2, FY3, FY4
; FY5, FY6, AFT, AFT2, AFT3, FY, AFV, AFV2, AFV3
; [DATA4] : 1, DB, CODE, NAME or 2, FC
; [DATA5] : 3, ELAST, POISN, AL1, AL2, AL3, AL4, AL5, AL6, AL7, AL8, AL9, AL10
; MIN1, MIN2, MIN3
; [R-DATA]: RBCODE, RBMAIN, RBSUB, FY(R), FYS
  1, STEEL, SM490 , 1, KS10-Civil(S), ,SM490 , 1, KS01-Civil(RC), ,
    , , , , 0, 0,NO,0.0000e+000, 0,, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,0.0000e+000, 0,, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,0.0000e+000, 0,, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,
  2, STEEL, SM400 , 1, KS10-Civil(S), ,SM400 , 1, KS01-Civil(RC), ,
    , , , , 0, 0,NO,0.0000e+000, 0,, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,0.0000e+000, 0,, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,0.0000e+000, 0,, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,
  3, CONC , C27 , 1, KS01-Civil(RC), ,C27 , NO, 1, , , , 0, 0, 18900, NO, 0, 0, , , , 0, NO, 1, , , , 0, 0, 0
*SECTION MANAGER-GROUP & PART ; Section Manager - Group & Part
; SECT = NO, bSAMEJ ; line 1
; GRPDISIZE, GRPDJSIZE, PARTISIZE, PARTJSIZE ; line 2
; ..... ;
; LOOP UTIL (GRPDISIZE, GRPDJSIZE) ;
; GROUPID, GROUPNAME, GROUPTYPE ; line n
; ..... ;
; LOOP UTIL (PARTISIZE, PARTJSIZE)
```

```
                                                                ;
;                          PARTTYPE,   GROUPID,   PARTNAME,
PARTSHAPE, bSTIFFENER                                          ; line n
;                                   LINESIZE,    LINEINDEX[i]......
                                  ; line n
; ..................................................................  ;
    SECT=74, YES
  0, 0, 0, 0
    SECT=75, YES
  0, 0, 0, 0
    SECT=76, YES
  0, 0, 0, 0
    SECT=77, YES
  0, 0, 0, 0
    SECT=78, YES
  0, 0, 0, 0
    SECT=79, YES
  0, 0, 0, 0
    SECT=80, YES
  0, 0, 0, 0
    SECT=81, YES
  0, 0, 0, 0
    SECT=82, YES
  0, 0, 0, 0
    SECT=83, YES
  0, 0, 0, 0
    SECT=84, YES
  0, 0, 0, 0
    SECT=85, YES
  0, 0, 0, 0
    SECT=86, YES
  0, 0, 0, 0
    SECT=87, YES
  0, 0, 0, 0
    SECT=88, YES
  0, 0, 0, 0
    SECT=89, YES
  0, 0, 0, 0
    SECT=90, YES
  0, 0, 0, 0
    SECT=91, YES
  0, 0, 0, 0
    SECT=92, YES
  0, 0, 0, 0
    SECT=93, YES
  0, 0, 0, 0
    SECT=94, YES
  0, 0, 0, 0
    SECT=95, YES
  0, 0, 0, 0
    SECT=96, YES
  0, 0, 0, 0
    SECT=97, YES
  0, 0, 0, 0
*SECTION MANAGER-STIFFENER      ; Section Manager -
Stiffener
;          SECT          =          NO,          bSAMEJ
                                  ; line 1
;                                     STFNISIZE,     STFNJSIZE
                                  ; line 2
; ..................................................................  ;
;                     LOOP   UTIL   (STFNISIZE,   STFNJSIZE)
                                  ;
;           TYPE, Z, STANDREF, POSLINE, STANDREFL,
NUM, CTC                                       ; line n
;                              STIFFTYPE,    dSIZE(0    ~    20)
                                  ; line n
;                                     LINESIZE,    LINEINDEX[i]......
                              ; line n
; ..................................................................  ;
    SECT=74, YES
  0, 0
    SECT=75, YES
  0, 0
    SECT=76, YES
  0, 0
    SECT=77, YES
  0, 0
    SECT=78, YES
  0, 0
    SECT=79, YES
  0, 0
    SECT=80, YES
  0, 0
    SECT=81, YES
  0, 0
    SECT=82, YES
  0, 0
    SECT=83, YES
  0, 0
    SECT=84, YES
  0, 0
    SECT=85, YES
  0, 0
    SECT=86, YES
  0, 0
    SECT=87, YES
  0, 0
    SECT=88, YES
  0, 0
    SECT=89, YES
  0, 0
    SECT=90, YES
  0, 0
    SECT=91, YES
  0, 0
    SECT=92, YES
  0, 0
    SECT=93, YES
  0, 0
    SECT=94, YES
  0, 0
    SECT=95, YES
  0, 0
    SECT=96, YES
  0, 0
    SECT=97, YES
  0, 0
*ENDDATA
```