■ 송읍교 대구방향(S1～S3) 상부 input

```
;------------------------------------------------------------------------------
;  MIDAS/Civil Text(MCT) File.
;  Date : 2015/12/30
;------------------------------------------------------------------------------
*VERSION
   8.4.5
*UNIT    : Unit System
; FORCE, LENGTH, HEAT, TEMPER
   KN    , M, KCAL, C
*REBAR-MATL-CODE    : Rebar Material Code
; CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
 KS01-Civil(RC), SD300, KS01-Civil(RC), SD300
*NODE    : Nodes
; iNO, X, Y, Z
     1, 0, 0, 0
     2, 5, 0, 0
     3, 8.125, 0, 0
     4, 8.225, 0, 0
     5, 10, 0, 0
     6, 15, 0, 0
     7, 18.025, 0, 0
     8, 18.125, 0, 0
     9, 20, 0, 0
    10, 24.275, 0, 0
    11, 24.375, 0, 0
    12, 25, 0, 0
    13, 30, 0, 0
    14, 34.275, 0, 0
    15, 34.385, 0, 0
    16, 35.01, 0, 0
    17, 37.51, 0, 0
    18, 39.285, 0, 0
    19, 39.395, 0, 0
    20, 40.02, 0, 0
    21, 45.02, 0, 0
    22, 45.545, 0, 0
    23, 45.655, 0, 0
    24, 46.28, 0, 0
    25, 50.03, 0, 0
    26, 51.805, 0, 0
    27, 51.915, 0, 0
    28, 55.04, 0, 0
    29, 60.04, 0, 0
    30, 64.375, 0, 0
    31, 65.04, 0, 0
    32, 70.04, 0, 0
    33, 73.065, 0, 0
    34, 73.175, 0, 0
    35, 75.05, 0, 0
    36, 79.425, 0, 0
    37, 79.525, 0, 0
    38, 80.05, 0, 0
    39, 84.55, 0, 0
    40, 85, 0, 0
    41, 0, -7.8, 0
    42, 5, -7.8, 0
    43, 8.125, -7.8, 0
    44, 8.225, -7.8, 0
    45, 10, -7.8, 0
    46, 15, -7.8, 0
    47, 18.025, -7.8, 0
    48, 18.125, -7.8, 0
    49, 20, -7.8, 0
    50, 24.275, -7.8, 0
    51, 24.375, -7.8, 0
    52, 25, -7.8, 0
    53, 30, -7.8, 0
    54, 34.275, -7.8, 0
    55, 34.385, -7.8, 0
    56, 35.01, -7.8, 0
    57, 37.51, -7.8, 0
    58, 39.285, -7.8, 0
    59, 39.395, -7.8, 0
    60, 40.02, -7.8, 0
    61, 45.02, -7.8, 0
    62, 45.545, -7.8, 0
    63, 45.655, -7.8, 0
    64, 46.28, -7.8, 0
    65, 50.03, -7.8, 0
    66, 51.805, -7.8, 0
    67, 51.915, -7.8, 0
    68, 55.04, -7.8, 0
    69, 60.04, -7.8, 0
    70, 64.375, -7.8, 0
    71, 65.04, -7.8, 0
    72, 70.04, -7.8, 0
    73, 73.065, -7.8, 0
    74, 73.175, -7.8, 0
    75, 75.05, -7.8, 0
    76, 79.425, -7.8, 0
    77, 79.525, -7.8, 0
    78, 80.05, -7.8, 0
    79, 84.55, -7.8, 0
    80, 85, -7.8, 0
    81, 0, -3.9, 0
    82, 5, -3.9, 0
    83, 8.125, -3.9, 0
    84, 8.225, -3.9, 0
    85, 10, -3.9, 0
    86, 15, -3.9, 0
    87, 18.025, -3.9, 0
    88, 18.125, -3.9, 0
    89, 20, -3.9, 0
    90, 24.275, -3.9, 0
    91, 24.375, -3.9, 0
    92, 25, -3.9, 0
    93, 30, -3.9, 0
    94, 34.275, -3.9, 0
    95, 34.385, -3.9, 0
    96, 35.01, -3.9, 0
    97, 37.51, -3.9, 0
    98, 39.285, -3.9, 0
    99, 39.395, -3.9, 0
   100, 40.02, -3.9, 0
   101, 45.02, -3.9, 0
   102, 45.545, -3.9, 0
   103, 45.655, -3.9, 0
   104, 46.28, -3.9, 0
   105, 50.03, -3.9, 0
   106, 51.805, -3.9, 0
   107, 51.915, -3.9, 0
   108, 55.04, -3.9, 0
   109, 60.04, -3.9, 0
   110, 64.375, -3.9, 0
   111, 65.04, -3.9, 0
   112, 70.04, -3.9, 0
   113, 73.065, -3.9, 0
   114, 73.175, -3.9, 0
   115, 75.05, -3.9, 0
   116, 79.425, -3.9, 0
   117, 79.525, -3.9, 0
   118, 80.05, -3.9, 0
   119, 84.55, -3.9, 0
   120, 85, -3.9, 0
   121, -5, 0, 0
   122, -8.125, 0, 0
   123, -8.225, 0, 0
   124, -10, 0, 0
   125, -15, 0, 0
   126, -18.025, 0, 0
   127, -18.125, 0, 0
   128, -20, 0, 0
   129, -24.275, 0, 0
   130, -24.375, 0, 0
   131, -25, 0, 0
   132, -30, 0, 0
   133, -34.275, 0, 0
   134, -34.385, 0, 0
   135, -35.01, 0, 0
   136, -37.51, 0, 0
   137, -39.285, 0, 0
   138, -39.395, 0, 0
   139, -40.02, 0, 0
   140, -45.02, 0, 0
   141, -45.545, 0, 0
   142, -45.655, 0, 0
   143, -46.28, 0, 0
   144, -50.03, 0, 0
   145, -51.805, 0, 0
   146, -51.915, 0, 0
   147, -55.04, 0, 0
   148, -60.04, 0, 0
   149, -64.375, 0, 0
   150, -65.04, 0, 0
   151, -70.04, 0, 0
   152, -73.065, 0, 0
   153, -73.175, 0, 0
   154, -75.05, 0, 0
   155, -79.425, 0, 0
   156, -79.525, 0, 0
   157, -80.05, 0, 0
   158, -84.55, 0, 0
   159, -85, 0, 0
   160, -5, -7.8, 0
   161, -8.125, -7.8, 0
   162, -8.225, -7.8, 0
   163, -10, -7.8, 0
   164, -15, -7.8, 0
   165, -18.025, -7.8, 0
   166, -18.125, -7.8, 0
   167, -20, -7.8, 0
   168, -24.275, -7.8, 0
   169, -24.375, -7.8, 0
   170, -25, -7.8, 0
   171, -30, -7.8, 0
   172, -34.275, -7.8, 0
   173, -34.385, -7.8, 0
   174, -35.01, -7.8, 0
   175, -37.51, -7.8, 0
   176, -39.285, -7.8, 0
   177, -39.395, -7.8, 0
   178, -40.02, -7.8, 0
   179, -45.02, -7.8, 0
   180, -45.545, -7.8, 0
   181, -45.655, -7.8, 0
   182, -46.28, -7.8, 0
   183, -50.03, -7.8, 0
   184, -51.805, -7.8, 0
   185, -51.915, -7.8, 0
   186, -55.04, -7.8, 0
   187, -60.04, -7.8, 0
   188, -64.375, -7.8, 0
   189, -65.04, -7.8, 0
   190, -70.04, -7.8, 0
   191, -73.065, -7.8, 0
   192, -73.175, -7.8, 0
   193, -75.05, -7.8, 0
   194, -79.425, -7.8, 0
   195, -79.525, -7.8, 0
   196, -80.05, -7.8, 0
   197, -84.55, -7.8, 0
   198, -85, -7.8, 0
   199, -5, -3.9, 0
   200, -8.125, -3.9, 0
   201, -8.225, -3.9, 0
   202, -10, -3.9, 0
   203, -15, -3.9, 0
   204, -18.025, -3.9, 0
   205, -18.125, -3.9, 0
   206, -20, -3.9, 0
   207, -24.275, -3.9, 0
   208, -24.375, -3.9, 0
   209, -25, -3.9, 0
   210, -30, -3.9, 0
   211, -34.275, -3.9, 0
   212, -34.385, -3.9, 0
   213, -35.01, -3.9, 0
   214, -37.51, -3.9, 0
   215, -39.285, -3.9, 0
   216, -39.395, -3.9, 0
   217, -40.02, -3.9, 0
   218, -45.02, -3.9, 0
   219, -45.545, -3.9, 0
   220, -45.655, -3.9, 0
   221, -46.28, -3.9, 0
   222, -50.03, -3.9, 0
   223, -51.805, -3.9, 0
   224, -51.915, -3.9, 0
   225, -55.04, -3.9, 0
   226, -60.04, -3.9, 0
   227, -64.375, -3.9, 0
   228, -65.04, -3.9, 0
   229, -70.04, -3.9, 0
   230, -73.065, -3.9, 0
   231, -73.175, -3.9, 0
   232, -75.05, -3.9, 0
   233, -79.425, -3.9, 0
   234, -79.525, -3.9, 0
   235, -80.05, -3.9, 0
   236, -84.55, -3.9, 0
   237, -85, -3.9, 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
; iEL, TYPE, iMAT, iPRO, iN1, iN2, REF, RPX, RPY, RPZ, iSUB, EXVAL  : Frame(Ref. Point)
     1, BEAM  ,    1,    3,    1,    2,    0,    0
     2, BEAM  ,    1,    3,    2,    3,    0,    0
     3, BEAM  ,    1,   18,    3,    4,    0,    0
     4, BEAM  ,    1,   17,    4,    5,    0,    0
     5, BEAM  ,    1,    9,    5,    6,    0,    0
     6, BEAM  ,    1,    9,    6,    7,    0,    0
     7, BEAM  ,    1,   16,    7,    8,    0,    0
     8, BEAM  ,    1,   11,    8,    9,    0,    0
     9, BEAM  ,    1,   12,    9,   10,    0,    0
    10, BEAM  ,    1,   15,   10,   11,    0,    0
    11, BEAM  ,    1,   14,   11,   12,    0,    0
    12, BEAM  ,    1,   14,   12,   13,    0,    0
    13, BEAM  ,    1,   14,   13,   14,    0,    0
    14, BEAM  ,    1,   13,   14,   15,    0,    0
    15, BEAM  ,    1,   12,   15,   16,    0,    0
    16, BEAM  ,    1,   12,   16,   17,    0,    0
    17, BEAM  ,    1,   11,   17,   18,    0,    0
    18, BEAM  ,    1,   10,   18,   19,    0,    0
    19, BEAM  ,    1,    9,   19,   20,    0,    0
    20, BEAM  ,    1,    9,   20,   21,    0,    0
    21, BEAM  ,    1,    9,   21,   22,    0,    0
    22, BEAM  ,    1,    8,   22,   23,    0,    0
    23, BEAM  ,    1,    7,   23,   24,    0,    0
    24, BEAM  ,    1,    3,   24,   25,    0,    0
```

```
25, BEAM  ,  1,  3,  25,  26,  0,  0
26, BEAM  ,  1,  6,  26,  27,  0,  0
27, BEAM  ,  1,  5,  27,  28,  0,  0
28, BEAM  ,  1,  5,  28,  29,  0,  0
29, BEAM  ,  1,  5,  29,  30,  0,  0
30, BEAM  ,  1,  5,  30,  31,  0,  0
31, BEAM  ,  1,  5,  31,  32,  0,  0
32, BEAM  ,  1,  5,  32,  33,  0,  0
33, BEAM  ,  1,  4,  33,  34,  0,  0
34, BEAM  ,  1,  3,  34,  35,  0,  0
35, BEAM  ,  1,  3,  35,  36,  0,  0
36, BEAM  ,  1,  2,  36,  37,  0,  0
37, BEAM  ,  1,  1,  37,  38,  0,  0
38, BEAM  ,  1,  1,  38,  39,  0,  0
39, BEAM  ,  1,  1,  39,  40,  0,  0
40, BEAM  ,  1,  24,  41,  42,  0,  0
41, BEAM  ,  1,  24,  42,  43,  0,  0
42, BEAM  ,  1,  39,  43,  44,  0,  0
43, BEAM  ,  1,  38,  44,  45,  0,  0
44, BEAM  ,  1,  30,  45,  46,  0,  0
45, BEAM  ,  1,  30,  46,  47,  0,  0
46, BEAM  ,  1,  37,  47,  48,  0,  0
47, BEAM  ,  1,  32,  48,  49,  0,  0
48, BEAM  ,  1,  33,  49,  50,  0,  0
49, BEAM  ,  1,  36,  50,  51,  0,  0
50, BEAM  ,  1,  35,  51,  52,  0,  0
51, BEAM  ,  1,  35,  52,  53,  0,  0
52, BEAM  ,  1,  35,  53,  54,  0,  0
53, BEAM  ,  1,  34,  54,  55,  0,  0
54, BEAM  ,  1,  33,  55,  56,  0,  0
55, BEAM  ,  1,  33,  56,  57,  0,  0
56, BEAM  ,  1,  32,  57,  58,  0,  0
57, BEAM  ,  1,  31,  58,  59,  0,  0
58, BEAM  ,  1,  30,  59,  60,  0,  0
59, BEAM  ,  1,  30,  60,  61,  0,  0
60, BEAM  ,  1,  30,  61,  62,  0,  0
61, BEAM  ,  1,  29,  62,  63,  0,  0
62, BEAM  ,  1,  28,  63,  64,  0,  0
63, BEAM  ,  1,  24,  64,  65,  0,  0
64, BEAM  ,  1,  24,  65,  66,  0,  0
65, BEAM  ,  1,  27,  66,  67,  0,  0
66, BEAM  ,  1,  26,  67,  68,  0,  0
67, BEAM  ,  1,  26,  68,  69,  0,  0
68, BEAM  ,  1,  26,  69,  70,  0,  0
69, BEAM  ,  1,  26,  70,  71,  0,  0
70, BEAM  ,  1,  26,  71,  72,  0,  0
71, BEAM  ,  1,  26,  72,  73,  0,  0
72, BEAM  ,  1,  25,  73,  74,  0,  0
73, BEAM  ,  1,  24,  74,  75,  0,  0
74, BEAM  ,  1,  24,  75,  76,  0,  0
75, BEAM  ,  1,  23,  76,  77,  0,  0
76, BEAM  ,  1,  22,  77,  78,  0,  0
77, BEAM  ,  1,  22,  78,  79,  0,  0
78, BEAM  ,  1,  22,  79,  80,  0,  0
79, BEAM  ,  2,  19,  81,  82,  0,  0
80, BEAM  ,  2,  19,  82,  83,  0,  0
81, BEAM  ,  2,  19,  83,  84,  0,  0
82, BEAM  ,  2,  19,  84,  85,  0,  0
83, BEAM  ,  2,  19,  85,  86,  0,  0
84, BEAM  ,  2,  19,  86,  87,  0,  0
85, BEAM  ,  2,  19,  87,  88,  0,  0
86, BEAM  ,  2,  19,  88,  89,  0,  0
87, BEAM  ,  2,  19,  89,  90,  0,  0
88, BEAM  ,  2,  19,  90,  91,  0,  0
89, BEAM  ,  2,  19,  91,  92,  0,  0
90, BEAM  ,  2,  19,  92,  93,  0,  0
91, BEAM  ,  2,  19,  93,  94,  0,  0
92, BEAM  ,  2,  19,  94,  95,  0,  0
93, BEAM  ,  2,  19,  95,  96,  0,  0
94, BEAM  ,  2,  19,  96,  97,  0,  0
95, BEAM  ,  2,  19,  97,  98,  0,  0
96, BEAM  ,  2,  19,  98,  99,  0,  0
97, BEAM  ,  2,  19,  99,  100,  0,  0
98, BEAM  ,  2,  19,  100,  101,  0,  0
99, BEAM  ,  2,  19,  101,  102,  0,  0
100, BEAM  ,  2,  19,  102,  103,  0,  0
101, BEAM  ,  2,  19,  103,  104,  0,  0
102, BEAM  ,  2,  19,  104,  105,  0,  0
103, BEAM  ,  2,  19,  105,  106,  0,  0
104, BEAM  ,  2,  19,  106,  107,  0,  0
105, BEAM  ,  2,  19,  107,  108,  0,  0
106, BEAM  ,  2,  19,  108,  109,  0,  0
107, BEAM  ,  2,  19,  109,  110,  0,  0
108, BEAM  ,  2,  19,  110,  111,  0,  0
109, BEAM  ,  2,  19,  111,  112,  0,  0
110, BEAM  ,  2,  19,  112,  113,  0,  0
111, BEAM  ,  2,  19,  113,  114,  0,  0
112, BEAM  ,  2,  19,  114,  115,  0,  0
113, BEAM  ,  2,  19,  115,  116,  0,  0
114, BEAM  ,  2,  19,  116,  117,  0,  0
115, BEAM  ,  2,  19,  117,  118,  0,  0
116, BEAM  ,  2,  19,  118,  119,  0,  0
117, BEAM  ,  2,  19,  119,  120,  0,  0
118, BEAM  ,  2,  20,  79,  119,  0,  0
119, BEAM  ,  2,  20,  119,  39,  0,  0
120, BEAM  ,  2,  21,  41,  81,  0,  0
121, BEAM  ,  2,  21,  81,  1,  0,  0
122, BEAM  ,  2,  21,  42,  82,  0,  0
123, BEAM  ,  2,  21,  82,  2,  0,  0
124, BEAM  ,  2,  21,  45,  85,  0,  0
125, BEAM  ,  2,  21,  85,  5,  0,  0
126, BEAM  ,  2,  21,  46,  86,  0,  0
127, BEAM  ,  2,  21,  86,  6,  0,  0
128, BEAM  ,  2,  21,  49,  89,  0,  0
129, BEAM  ,  2,  21,  89,  9,  0,  0
130, BEAM  ,  2,  21,  52,  92,  0,  0
131, BEAM  ,  2,  21,  92,  12,  0,  0
132, BEAM  ,  2,  21,  56,  96,  0,  0
133, BEAM  ,  2,  21,  96,  16,  0,  0
134, BEAM  ,  2,  21,  60,  100,  0,  0
135, BEAM  ,  2,  21,  100,  20,  0,  0
136, BEAM  ,  2,  21,  61,  101,  0,  0
137, BEAM  ,  2,  21,  101,  21,  0,  0
138, BEAM  ,  2,  21,  65,  105,  0,  0
139, BEAM  ,  2,  21,  105,  25,  0,  0
140, BEAM  ,  2,  21,  68,  108,  0,  0
141, BEAM  ,  2,  21,  108,  28,  0,  0
142, BEAM  ,  2,  21,  69,  109,  0,  0
143, BEAM  ,  2,  21,  109,  29,  0,  0
144, BEAM  ,  2,  21,  71,  111,  0,  0
145, BEAM  ,  2,  21,  111,  31,  0,  0
146, BEAM  ,  2,  21,  72,  112,  0,  0
147, BEAM  ,  2,  21,  112,  32,  0,  0
148, BEAM  ,  2,  21,  75,  115,  0,  0
149, BEAM  ,  2,  21,  115,  35,  0,  0
150, BEAM  ,  2,  21,  78,  118,  0,  0
151, BEAM  ,  2,  21,  118,  38,  0,  0
152, BEAM  ,  2,  20,  53,  93,  0,  0
153, BEAM  ,  2,  20,  93,  13,  0,  0
154, BEAM  ,  1,  3,  1,  121,  0,  0
155, BEAM  ,  1,  3,  121,  122,  0,  0
156, BEAM  ,  1,  18,  122,  123,  0,  0
157, BEAM  ,  1,  17,  123,  124,  0,  0
158, BEAM  ,  1,  9,  124,  125,  0,  0
159, BEAM  ,  1,  9,  125,  126,  0,  0
160, BEAM  ,  1,  16,  126,  127,  0,  0
161, BEAM  ,  1,  11,  127,  128,  0,  0
162, BEAM  ,  1,  12,  128,  129,  0,  0
163, BEAM  ,  1,  15,  129,  130,  0,  0
164, BEAM  ,  1,  14,  130,  131,  0,  0
165, BEAM  ,  1,  14,  131,  132,  0,  0
166, BEAM  ,  1,  14,  132,  133,  0,  0
167, BEAM  ,  1,  13,  133,  134,  0,  0
168, BEAM  ,  1,  12,  134,  135,  0,  0
169, BEAM  ,  1,  12,  135,  136,  0,  0
170, BEAM  ,  1,  11,  136,  137,  0,  0
171, BEAM  ,  1,  10,  137,  138,  0,  0
172, BEAM  ,  1,  9,  138,  139,  0,  0
173, BEAM  ,  1,  9,  139,  140,  0,  0
174, BEAM  ,  1,  9,  140,  141,  0,  0
175, BEAM  ,  1,  8,  141,  142,  0,  0
176, BEAM  ,  1,  7,  142,  143,  0,  0
177, BEAM  ,  1,  3,  143,  144,  0,  0
178, BEAM  ,  1,  3,  144,  145,  0,  0
179, BEAM  ,  1,  6,  145,  146,  0,  0
180, BEAM  ,  1,  5,  146,  147,  0,  0
181, BEAM  ,  1,  5,  147,  148,  0,  0
182, BEAM  ,  1,  5,  148,  149,  0,  0
183, BEAM  ,  1,  5,  149,  150,  0,  0
184, BEAM  ,  1,  5,  150,  151,  0,  0
185, BEAM  ,  1,  5,  151,  152,  0,  0
186, BEAM  ,  1,  4,  152,  153,  0,  0
187, BEAM  ,  1,  3,  153,  154,  0,  0
188, BEAM  ,  1,  3,  154,  155,  0,  0
189, BEAM  ,  1,  2,  155,  156,  0,  0
190, BEAM  ,  1,  1,  156,  157,  0,  0
191, BEAM  ,  1,  1,  157,  158,  0,  0
192, BEAM  ,  1,  1,  158,  159,  0,  0
193, BEAM  ,  1,  24,  41,  160,  0,  0
194, BEAM  ,  1,  24,  160,  161,  0,  0
195, BEAM  ,  1,  39,  161,  162,  0,  0
196, BEAM  ,  1,  38,  162,  163,  0,  0
197, BEAM  ,  1,  30,  163,  164,  0,  0
198, BEAM  ,  1,  30,  164,  165,  0,  0
199, BEAM  ,  1,  37,  165,  166,  0,  0
200, BEAM  ,  1,  32,  166,  167,  0,  0
201, BEAM  ,  1,  33,  167,  168,  0,  0
202, BEAM  ,  1,  36,  168,  169,  0,  0
203, BEAM  ,  1,  35,  169,  170,  0,  0
204, BEAM  ,  1,  35,  170,  171,  0,  0
205, BEAM  ,  1,  35,  171,  172,  0,  0
206, BEAM  ,  1,  34,  172,  173,  0,  0
207, BEAM  ,  1,  33,  173,  174,  0,  0
208, BEAM  ,  1,  33,  174,  175,  0,  0
209, BEAM  ,  1,  32,  175,  176,  0,  0
210, BEAM  ,  1,  31,  176,  177,  0,  0
211, BEAM  ,  1,  30,  177,  178,  0,  0
212, BEAM  ,  1,  30,  178,  179,  0,  0
213, BEAM  ,  1,  30,  179,  180,  0,  0
214, BEAM  ,  1,  29,  180,  181,  0,  0
215, BEAM  ,  1,  28,  181,  182,  0,  0
216, BEAM  ,  1,  24,  182,  183,  0,  0
217, BEAM  ,  1,  24,  183,  184,  0,  0
218, BEAM  ,  1,  27,  184,  185,  0,  0
219, BEAM  ,  1,  26,  185,  186,  0,  0
220, BEAM  ,  1,  26,  186,  187,  0,  0
221, BEAM  ,  1,  26,  187,  188,  0,  0
222, BEAM  ,  1,  26,  188,  189,  0,  0
223, BEAM  ,  1,  26,  189,  190,  0,  0
224, BEAM  ,  1,  26,  190,  191,  0,  0
225, BEAM  ,  1,  25,  191,  192,  0,  0
226, BEAM  ,  1,  24,  192,  193,  0,  0
227, BEAM  ,  1,  24,  193,  194,  0,  0
228, BEAM  ,  1,  23,  194,  195,  0,  0
229, BEAM  ,  1,  22,  195,  196,  0,  0
230, BEAM  ,  1,  22,  196,  197,  0,  0
231, BEAM  ,  1,  22,  197,  198,  0,  0
232, BEAM  ,  2,  19,  81,  199,  0,  0
233, BEAM  ,  2,  19,  199,  200,  0,  0
234, BEAM  ,  2,  19,  200,  201,  0,  0
235, BEAM  ,  2,  19,  201,  202,  0,  0
236, BEAM  ,  2,  19,  202,  203,  0,  0
237, BEAM  ,  2,  19,  203,  204,  0,  0
238, BEAM  ,  2,  19,  204,  205,  0,  0
239, BEAM  ,  2,  19,  205,  206,  0,  0
240, BEAM  ,  2,  19,  206,  207,  0,  0
241, BEAM  ,  2,  19,  207,  208,  0,  0
242, BEAM  ,  2,  19,  208,  209,  0,  0
243, BEAM  ,  2,  19,  209,  210,  0,  0
244, BEAM  ,  2,  19,  210,  211,  0,  0
245, BEAM  ,  2,  19,  211,  212,  0,  0
246, BEAM  ,  2,  19,  212,  213,  0,  0
247, BEAM  ,  2,  19,  213,  214,  0,  0
248, BEAM  ,  2,  19,  214,  215,  0,  0
249, BEAM  ,  2,  19,  215,  216,  0,  0
250, BEAM  ,  2,  19,  216,  217,  0,  0
251, BEAM  ,  2,  19,  217,  218,  0,  0
252, BEAM  ,  2,  19,  218,  219,  0,  0
253, BEAM  ,  2,  19,  219,  220,  0,  0
254, BEAM  ,  2,  19,  220,  221,  0,  0
255, BEAM  ,  2,  19,  221,  222,  0,  0
256, BEAM  ,  2,  19,  222,  223,  0,  0
257, BEAM  ,  2,  19,  223,  224,  0,  0
258, BEAM  ,  2,  19,  224,  225,  0,  0
259, BEAM  ,  2,  19,  225,  226,  0,  0
260, BEAM  ,  2,  19,  226,  227,  0,  0
261, BEAM  ,  2,  19,  227,  228,  0,  0
262, BEAM  ,  2,  19,  228,  229,  0,  0
263, BEAM  ,  2,  19,  229,  230,  0,  0
264, BEAM  ,  2,  19,  230,  231,  0,  0
265, BEAM  ,  2,  19,  231,  232,  0,  0
266, BEAM  ,  2,  19,  232,  233,  0,  0
267, BEAM  ,  2,  19,  233,  234,  0,  0
268, BEAM  ,  2,  19,  234,  235,  0,  0
269, BEAM  ,  2,  19,  235,  236,  0,  0
270, BEAM  ,  2,  19,  236,  237,  0,  0
271, BEAM  ,  2,  20,  197,  236,  0,  0
272, BEAM  ,  2,  20,  236,  158,  0,  0
273, BEAM  ,  2,  21,  160,  199,  0,  0
274, BEAM  ,  2,  21,  199,  121,  0,  0
275, BEAM  ,  2,  21,  163,  202,  0,  0
276, BEAM  ,  2,  21,  202,  124,  0,  0
277, BEAM  ,  2,  21,  164,  203,  0,  0
278, BEAM  ,  2,  21,  203,  125,  0,  0
279, BEAM  ,  2,  21,  167,  206,  0,  0
280, BEAM  ,  2,  21,  206,  128,  0,  0
281, BEAM  ,  2,  21,  170,  209,  0,  0
282, BEAM  ,  2,  21,  209,  131,  0,  0
283, BEAM  ,  2,  21,  174,  213,  0,  0
284, BEAM  ,  2,  21,  213,  135,  0,  0
285, BEAM  ,  2,  21,  178,  217,  0,  0
286, BEAM  ,  2,  21,  217,  139,  0,  0
287, BEAM  ,  2,  21,  179,  218,  0,  0
288, BEAM  ,  2,  21,  218,  140,  0,  0
289, BEAM  ,  2,  21,  183,  222,  0,  0
290, BEAM  ,  2,  21,  222,  144,  0,  0
291, BEAM  ,  2,  21,  186,  225,  0,  0
292, BEAM  ,  2,  21,  225,  147,  0,  0
293, BEAM  ,  2,  21,  187,  226,  0,  0
294, BEAM  ,  2,  21,  226,  148,  0,  0
295, BEAM  ,  2,  21,  189,  228,  0,  0
296, BEAM  ,  2,  21,  228,  150,  0,  0
297, BEAM  ,  2,  21,  190,  229,  0,  0
298, BEAM  ,  2,  21,  229,  151,  0,  0
299, BEAM  ,  2,  21,  193,  232,  0,  0
300, BEAM  ,  2,  21,  232,  154,  0,  0
301, BEAM  ,  2,  21,  196,  235,  0,  0
302, BEAM  ,  2,  21,  235,  157,  0,  0
303, BEAM  ,  2,  20,  171,  210,  0,  0
304, BEAM  ,  2,  20,  210,  132,  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
*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
*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 , G1-1   , CC, 0, 0, 0, 0, 0, 0, YES, B
       2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.01
       1, 0, 0, 0, 3, 5
       1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
       0
       0
       3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
       5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
       12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   2, COMPOSITE , G1-2   , CC, 0, 0, 0, 0, 0, 0, YES, B
       2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.01
       1, 0, 0, 0, 3, 5
       1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
       0
       0
       3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
       5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
       12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   3, COMPOSITE , G1-3   , CC, 0, 0, 0, 0, 0, 0, YES, B
       2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014
       1, 0, 0, 0, 3, 5
       1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
       0
       0
       3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
       5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
       12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   4, COMPOSITE , G1-4   , CC, 0, 0, 0, 0, 0, 0, YES, B
       2.7, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.014
       1, 0, 0, 0, 3, 5
       1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
       0
       0
       3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
       5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
       12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   5, COMPOSITE , G1-5   , CC, 0, 0, 0, 0, 0, 0, YES, B
       2.7, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.022
       1, 0, 0, 0, 3, 5
       1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
       0
       0
       3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
       5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
       12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   6, COMPOSITE , G1-6   , CC, 0, 0, 0, 0, 0, 0, YES, B
       2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.022
       1, 0, 0, 0, 3, 5
       1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
       0
       0
       3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
       5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
       12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   7, COMPOSITE , G1-7   , CC, 0, 0, 0, 0, 0, 0, YES, B
       2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014
       1, 0, 0, 0, 5, 5
       1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
       0
       0
       5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
       5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
       12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   8, COMPOSITE , G1-8   , CC, 0, 0, 0, 0, 0, 0, YES, B
       2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.014
       1, 0, 0, 0, 5, 5
       1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
       0
       0
       5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
       5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
       12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   9, COMPOSITE , G1-9   , CC, 0, 0, 0, 0, 0, 0, YES, B
       2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
       1, 0, 0, 0, 5, 5
       1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0

0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
10, COMPOSITE , G1-10 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.012
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
11, COMPOSITE , G1-11 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
12, COMPOSITE , G1-12 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
13, COMPOSITE , G1-13 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.03, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
14, COMPOSITE , G1-14 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.03, 2.5, 0.1, 0.032
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
15, COMPOSITE , G1-15 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.032
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
16, COMPOSITE , G1-16 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
17, COMPOSITE , G1-17 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
18, COMPOSITE , G1-18 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.012
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
19, DBUSER , Stringer , CC, 0, 0, 0, 0, 0, 0, YES, H , 2, 0.8, 0.25, 0.01, 0.01, 0.25, 0.01, 0, 0, 0, 0
20, DBUSER , Cross Beam-교대교각, CC, 0, 0, 0, 0, 0, 0, YES, H , 2, 2, 0.3, 0.012, 0.012, 0.3, 0.012, 0, 0, 0, 0
21, DBUSER , Cross Beam-일반 , CC, 0, 0, 0, 0, 0, 0, YES, H , 2, 1.5, 0.3, 0.01, 0.01, 0.3, 0.01, 0, 0, 0, 0
22, COMPOSITE , G2-1 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.01
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
23, COMPOSITE , G2-2 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.01
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
24, COMPOSITE , G2-3 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
25, COMPOSITE , G2-4 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.014
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
26, COMPOSITE , G2-5 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.022
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
27, COMPOSITE , G2-6 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.022
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
28, COMPOSITE , G2-7 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
29, COMPOSITE , G2-8 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.014
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
30, COMPOSITE , G2-9 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
31, COMPOSITE , G2-10 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.012
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
32, COMPOSITE , G2-11 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
33, COMPOSITE , G2-12 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
34, COMPOSITE , G2-13 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.03, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
35, COMPOSITE , G2-14 , CC, 0, 0, 0, 0, 0, 0, YES, B

```
        2.7, 0.012, 2.5, 0.1, 0.03, 2.5, 0.1, 0.032
        1, 0, 0, 0, 5, 3
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   36, COMPOSITE , G2-15                , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.032
        1, 0, 0, 0, 5, 3
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   37, COMPOSITE , G2-16                , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.022
        1, 0, 0, 0, 5, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   38, COMPOSITE , G2-17                , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
        1, 0, 0, 0, 3, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   39, COMPOSITE , G2-18                , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.012
        1, 0, 0, 0, 3, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3, 0.18, 1.2, NO, ,
*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
   23, 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
*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 , G1-1 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.01
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
2, COMPOSITE , G1-2 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.01
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
3, COMPOSITE , G1-3 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
4, COMPOSITE , G1-4 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.014
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
5, COMPOSITE , G1-5 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.022
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
6, COMPOSITE , G1-6 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.022
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
7, COMPOSITE , G1-7 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
8, COMPOSITE , G1-8 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.014
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
9, COMPOSITE , G1-9 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
10, COMPOSITE , G1-10 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.012
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
11, COMPOSITE , G1-11 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
12, COMPOSITE , G1-12 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
13, COMPOSITE , G1-13 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.03, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
14, COMPOSITE , G1-14 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.03, 2.5, 0.1, 0.032
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
15, COMPOSITE , G1-15 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.032
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
16, COMPOSITE , G1-16 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
17, COMPOSITE , G1-17 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
18, COMPOSITE , G1-18 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.012
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
19, DBUSER , Stringer , CC, 0, 0, 0, 0, 0, 0, YES, H , 2, 0.8, 0.25, 0.01, 0.01, 0.25, 0.01, 0, 0, 0, 0
20, DBUSER , Cross Beam-교대교각, CC, 0, 0, 0, 0, 0, 0, YES, H , 2, 2, 0.3, 0.012, 0.012, 0.3, 0.012, 0, 0, 0, 0
21, DBUSER , Cross Beam-일반 , CC, 0, 0, 0, 0, 0, 0, YES, H , 2, 1.5, 0.3, 0.01, 0.01, 0.3, 0.01, 0, 0, 0, 0
22, COMPOSITE , G2-1 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.01
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
23, COMPOSITE , G2-2 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.01
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
24, COMPOSITE , G2-3 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3,

```
0.18, 1.2, NO, ,
   25, COMPOSITE , G2-4                , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.014
        1, 0, 0, 0, 3, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,   6.08, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   26, COMPOSITE , G2-5                , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.022
        1, 0, 0, 0, 3, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,   6.08, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   27, COMPOSITE , G2-6                , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.022
        1, 0, 0, 0, 3, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,   6.08, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   28, COMPOSITE , G2-7                , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014
        1, 0, 0, 0, 5, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,   6.08, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   29, COMPOSITE , G2-8                , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.014
        1, 0, 0, 0, 5, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,   6.08, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   30, COMPOSITE , G2-9                , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
        1, 0, 0, 0, 5, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,   6.08, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   31, COMPOSITE , G2-10               , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.012
        1, 0, 0, 0, 5, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,   6.08, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   32, COMPOSITE , G2-11               , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022
        1, 0, 0, 0, 5, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,   6.08, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   33, COMPOSITE , G2-12               , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022
        1, 0, 0, 0, 5, 3
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        12.15, 2, 7.8,   6.08, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   34, COMPOSITE , G2-13               , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.03, 2.5, 0.1, 0.022
        1, 0, 0, 0, 5, 3
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        12.15, 2, 7.8,   6.08, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   35, COMPOSITE , G2-14               , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.03, 2.5, 0.1, 0.032
        1, 0, 0, 0, 5, 3
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        12.15, 2, 7.8,   6.08, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   36, COMPOSITE , G2-15               , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.032
        1, 0, 0, 0, 5, 3
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        12.15, 2, 7.8,   6.08, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   37, COMPOSITE , G2-16               , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.022
        1, 0, 0, 0, 5, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,   6.08, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   38, COMPOSITE , G2-17               , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
        1, 0, 0, 0, 3, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,   6.08, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   39, COMPOSITE , G2-18               , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.012
        1, 0, 0, 0, 3, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,   6.08, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
*STLDCASE    ; Static Load Cases
; LCNAME, LCTYPE, DESC
   자중 , D ,
   슬래브자중, D ,
   방호벽자중, D ,
   포장자중, D ,
   단위모멘트, USER,
*CONSTRAINT    ; Supports
; NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP
   171, 111000,
   132, 101000,
   53 79 197, 011000,
   13 39 158, 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
   118, ELEMENT, 0, 1.35,
   119, ELEMENT, 1.35, 0,
   120, ELEMENT, 0, 1.35,
   121, ELEMENT, 1.35, 0,
   122, ELEMENT, 0, 1.35,
   123, ELEMENT, 1.35, 0,
   124, ELEMENT, 0, 1.35,
   125, ELEMENT, 1.35, 0,
   126, ELEMENT, 0, 1.35,
   127, ELEMENT, 1.35, 0,
   128, ELEMENT, 0, 1.35,
   129, ELEMENT, 1.35, 0,
   130, ELEMENT, 0, 1.35,
   131, ELEMENT, 1.35, 0,
   132, ELEMENT, 0, 1.35,
   133, ELEMENT, 1.35, 0,
   134, ELEMENT, 0, 1.35,
   135, ELEMENT, 1.35, 0,
   136, ELEMENT, 0, 1.35,
   137, ELEMENT, 1.35, 0,
   138, ELEMENT, 0, 1.35,
   139, ELEMENT, 1.35, 0,
   140, ELEMENT, 0, 1.35,
   141, ELEMENT, 1.35, 0,
   142, ELEMENT, 0, 1.35,
   143, ELEMENT, 1.35, 0,
   144, ELEMENT, 0, 1.35,
   145, ELEMENT, 1.35, 0,
   146, ELEMENT, 0, 1.35,
   147, ELEMENT, 1.35, 0,
   148, ELEMENT, 0, 1.35,
   149, ELEMENT, 1.35, 0,
   150, ELEMENT, 0, 1.35,
   151, ELEMENT, 1.35, 0,
   152, ELEMENT, 0, 1.35,
   153, ELEMENT, 1.35, 0,
   271, ELEMENT, 0, 1.35,
   272, ELEMENT, 1.35, 0,
   273, ELEMENT, 0, 1.35,
   274, ELEMENT, 1.35, 0,
   275, ELEMENT, 0, 1.35,
   276, ELEMENT, 1.35, 0,
   277, ELEMENT, 0, 1.35,
   278, ELEMENT, 1.35, 0,
   279, ELEMENT, 0, 1.35,
   280, ELEMENT, 1.35, 0,
   281, ELEMENT, 0, 1.35,
   282, ELEMENT, 1.35, 0,
   283, ELEMENT, 0, 1.35,
   284, ELEMENT, 1.35, 0,
   285, ELEMENT, 0, 1.35,
   286, ELEMENT, 1.35, 0,
   287, ELEMENT, 0, 1.35,
   288, ELEMENT, 1.35, 0,
   289, ELEMENT, 0, 1.35,
   290, ELEMENT, 1.35, 0,
   291, ELEMENT, 0, 1.35,
   292, ELEMENT, 1.35, 0,
   293, ELEMENT, 0, 1.35,
   294, ELEMENT, 1.35, 0,
   295, ELEMENT, 0, 1.35,
   296, ELEMENT, 1.35, 0,
   297, ELEMENT, 0, 1.35,
   298, ELEMENT, 1.35, 0,
   299, ELEMENT, 0, 1.35,
   300, ELEMENT, 1.35, 0,
   301, ELEMENT, 0, 1.35,
   302, ELEMENT, 1.35, 0,
   303, ELEMENT, 0, 1.35,
   304, ELEMENT, 1.35, 0,
*USE-STLD, 자중
; *SELFWEIGHT, X, Y, Z, GROUP
*SELFWEIGHT, 0, 0, -1,
;   End   of   data   for   load   case   [자중]
--------------------------
*USE-STLD, 슬래브자중
*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,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    1, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    2, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    2, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    3, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    3, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    4, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    4, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    5, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    5, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    6, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    6, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    7, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    7, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    8, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    8, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    9, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    9, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    10, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    10, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    11, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    11, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    12, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    12, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    13, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    13, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    14, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    14, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    15, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    15, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    16, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    16, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    17, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    17, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    18, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    18, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    19, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    19, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    20, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    20, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    21, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    21, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    22, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    22, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    23, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    23, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    24, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    24, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    25, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    25, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    26, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    26, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    27, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    27, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    28, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    28, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    29, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    29, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    30, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    30, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    31, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    31, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    32, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    32, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    33, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    33, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    34, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    34, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    35, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    35, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    36, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    36, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    37, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    37, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    38, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    38, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    39, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    39, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    40, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    40, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    41, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    41, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    42, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    42, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    43, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    43, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    44, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    44, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    45, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    45, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    46, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    46, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    47, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    47, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    48, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    48, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    49, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    49, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    50, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    50, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    51, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    51, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    52, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    52, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    53, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    53, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    54, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    54, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    55, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    55, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    56, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    56, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    57, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    57, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    58, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    58, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    59, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    59, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    60, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    60, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    61, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    61, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    62, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    62, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    63, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    63, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    64, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    64, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    65, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    65, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    66, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    66, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    67, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    67, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    68, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    68, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    69, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    69, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    70, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    70, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    71, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    71, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    72, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    72, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    73, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    73, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
```

-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
74, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
74, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
75, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
75, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
76, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
76, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
77, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
77, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
78, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
78, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
154, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
154, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
155, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
155, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
156, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
156, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
157, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
157, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
158, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
158, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
159, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
159, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
160, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
160, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
161, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
161, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
162, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
162, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
163, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
163, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
164, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
164, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
165, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
165, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
166, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
166, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
167, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
167, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
168, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
168, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
169, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
169, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
170, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
170, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
171, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
171, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
172, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
172, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
173, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
173, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
174, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
174, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
175, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
175, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
176, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
176, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
177, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
177, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
178, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
178, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
179, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
179, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
180, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
180, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
181, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
181, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
182, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
182, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
183, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
183, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
184, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
184, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
185, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
185, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
186, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
186, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
187, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
187, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
188, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
188, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
189, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
189, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
190, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
190, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
191, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
191, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
192, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
192, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
193, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
193, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
194, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
194, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
195, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
195, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
196, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
196, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
197, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
197, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
198, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
198, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
199, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
199, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
200, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
200, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
201, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
201, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
202, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
202, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
203, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
203, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
204, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
204, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
205, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
205, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
206, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
206, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
207, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
207, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
208, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
208, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
209, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
209, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
210, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
210, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
211, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
211, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
212, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
212, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
213, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
213, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
214, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
214, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
215, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
215, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
216, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
216, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
217, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
217, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
218, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
218, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
219, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
219, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
220, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
220, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
221, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,

```
   221, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   222, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   222, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   223, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   223, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   224, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   224, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   225, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   225, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   226, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   226, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   227, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   227, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   228, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   228, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   229, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   229, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   230, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   230, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   231, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   231, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
; End of data for load case [슬래브자중]
--------------------------
*USE-STLD, 방호벽자중
*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,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
     1, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
     2, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
     2, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
     3, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
     3, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
     4, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
     4, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
     5, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
     5, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
     6, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
     6, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
     7, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
     7, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
     8, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
     8, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
     9, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
     9, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    10, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    10, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    11, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    11, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    12, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    12, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    13, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    13, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    14, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    14, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    15, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    15, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    16, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    16, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    17, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    17, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    18, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    18, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    19, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    19, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    20, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    20, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    21, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    21, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    22, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    22, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    23, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    23, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    24, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    24, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    25, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    25, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    26, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    26, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    27, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    27, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    28, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    28, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    29, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    29, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    30, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    30, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    31, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    31, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    32, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    32, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    33, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    33, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    34, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    34, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    35, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    35, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    36, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    36, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    37, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    37, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    38, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    38, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    39, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    39, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    40, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    40, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    41, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    41, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    42, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    42, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    43, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    43, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    44, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    44, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    45, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    45, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    46, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    46, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    47, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    47, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    48, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    48, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    49, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    49, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    50, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    50, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    51, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    51, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    52, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    52, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    53, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    53, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    54, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    54, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    55, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    55, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    56, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    56, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    57, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    57, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    58, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    58, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    59, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    59, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
```

60, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
60, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
61, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
61, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
62, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
62, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
63, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
63, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
64, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
64, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
65, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
65, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
66, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
66, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
67, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
67, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
68, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
68, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
69, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
69, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
70, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
70, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
71, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
71, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
72, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
72, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
73, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
73, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
74, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
74, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
75, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
75, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
76, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
76, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
77, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
77, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
78, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
78, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
154, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
154, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
155, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
155, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
156, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
156, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
157, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
157, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
158, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
158, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
159, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
159, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
160, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
160, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
161, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
161, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
162, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
162, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
163, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
163, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
164, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
164, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
165, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
165, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
166, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
166, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
167, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
167, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
168, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
168, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
169, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
169, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
170, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
170, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
171, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
171, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
172, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
172, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
173, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
173, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
174, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
174, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
175, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
175, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
176, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
176, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
177, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
177, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
178, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
178, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
179, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
179, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
180, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
180, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
181, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
181, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
182, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
182, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
183, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
183, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
184, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
184, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
185, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
185, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
186, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
186, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
187, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
187, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
188, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
188, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
189, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
189, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
190, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
190, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
191, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
191, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
192, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
192, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
193, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
193, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
194, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
194, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
195, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
195, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
196, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
196, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
197, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
197, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
198, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
198, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
199, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
199, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
200, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
200, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
201, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
201, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
202, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
202, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
203, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
203, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
204, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
204, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
205, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
205, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
206, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
206, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
207, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
207, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,

```
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   208, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   208, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   209, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   209, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   210, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   210, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   211, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   211, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   212, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   212, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   213, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   213, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   214, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   214, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   215, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   215, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   216, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   216, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   217, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   217, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   218, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   218, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   219, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   219, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   220, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   220, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   221, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   221, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   222, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   222, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   223, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   223, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   224, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   224, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   225, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   225, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   226, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   226, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   227, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   227, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   228, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   228, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   229, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   229, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   230, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   230, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   231, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   231, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
; End of data for load case [방호벽자중]
--------------------------
*USE-STLD, 포장자중
*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,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
     2, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
     3, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
     4, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
     5, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
     6, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
     7, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
     8, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
     9, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    10, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    11, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    12, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    13, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    14, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    15, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    16, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    17, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    18, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    19, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    20, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    21, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    22, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    23, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    24, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    25, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    26, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    27, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    28, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    29, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    30, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    31, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    32, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    33, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    34, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    35, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    36, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    37, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    38, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    39, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    40, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    41, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    42, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    43, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    44, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    45, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    46, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    47, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    48, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    49, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    50, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    51, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    52, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    53, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    54, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    55, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    56, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    57, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    58, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    59, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    60, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    61, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    62, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    63, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    64, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    65, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    66, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    67, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    68, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    69, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    70, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    71, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    72, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    73, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    74, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    75, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    76, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    77, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    78, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   154, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   155, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   156, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   157, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   158, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   159, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   160, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   161, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   162, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   163, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   164, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   165, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   166, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
```

```
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   167, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   168, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   169, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   170, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   171, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   172, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   173, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   174, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   175, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   176, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   177, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   178, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   179, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   180, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   181, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   182, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   183, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   184, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   185, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   186, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   187, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   188, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   189, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   190, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   191, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   192, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   193, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   194, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   195, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   196, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   197, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   198, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   199, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   200, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   201, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   202, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   203, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   204, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   205, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   206, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   207, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   208, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   209, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   210, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   211, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   212, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   213, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   214, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   215, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   216, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   217, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   218, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   219, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   220, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   221, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   222, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   223, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   224, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   225, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   226, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   227, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   228, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   229, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   230, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   231, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
;   End   of   data   for   load   case   [포장자중]
-------------------------
*USE-STLD, 단위모멘트
*CONLOAD    ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  39, 0, 0, 0, 0, -1, 0,
  79, 0, 0, 0, 0, -1, 0,
 158, 0, 0, 0, 0, 1, 0,
 197, 0, 0, 0, 0, 1, 0,
;   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
         192,  -1.72,  0.158,  YES,  0,      191,  -1.72, 0.158, NO, 0
         190, -1.72, 0.158, NO, 0,   189, -1.72, 0.158, NO, 0
         188, -1.72, 0.158, NO, 0,   187, -1.72, 0.158, NO, 0
         186, -1.72, 0.158, NO, 0,   185, -1.72, 0.158, NO, 0
         184, -1.72, 0.158, NO, 0,   183, -1.72, 0.158, NO, 0
         182, -1.72, 0.158, NO, 0,   181, -1.72, 0.158, NO, 0
         180, -1.72, 0.158, NO, 0,   179, -1.72, 0.158, NO, 0
         178, -1.72, 0.158, NO, 0,   177, -1.72, 0.158, NO, 0
         176, -1.72, 0.158, NO, 0,   175, -1.72, 0.158, NO, 0
         174, -1.72, 0.158, NO, 0,   173, -1.72, 0.158, NO, 0
         172, -1.72, 0.158, NO, 0,   171, -1.72, 0.158, NO, 0
         170, -1.72, 0.158, NO, 0,   169, -1.72, 0.158, NO, 0
         168, -1.72, 0.158, NO, 0,   167, -1.72, 0.158, NO, 0
         166, -1.72, 0.158, NO, 0,   165, -1.72, 0.15, NO, 0
         164, -1.72, 0.15, NO, 0,   163, -1.72, 0.15, NO, 0
         162, -1.72, 0.15, NO, 0,   161, -1.72, 0.15, NO, 0
         160, -1.72, 0.15, NO, 0,   159, -1.72, 0.15, NO, 0
         158, -1.72, 0.15, NO, 0,   157, -1.72, 0.15, NO, 0
         156, -1.72, 0.15, NO, 0,   155, -1.72, 0.15, NO, 0
         154, -1.72, 0.15, NO, 0,     1, -1.72, 0.15, NO, 0
           2, -1.72, 0.15, NO, 0,     3, -1.72, 0.15, NO, 0
           4, -1.72, 0.15, NO, 0,     5, -1.72, 0.15, NO, 0
           6, -1.72, 0.15, NO, 0,     7, -1.72, 0.15, NO, 0
           8, -1.72, 0.15, NO, 0,     9, -1.72, 0.15, NO, 0
          10, -1.72, 0.15, NO, 0,    11, -1.72, 0.15, NO, 0
          12, -1.72, 0.15, NO, 0,    13, -1.72, 0.158, NO, 0
          14, -1.72, 0.158, NO, 0,   15, -1.72, 0.158, NO, 0
          16, -1.72, 0.158, NO, 0,   17, -1.72, 0.158, NO, 0
          18, -1.72, 0.158, NO, 0,   19, -1.72, 0.158, NO, 0
          20, -1.72, 0.158, NO, 0,   21, -1.72, 0.158, NO, 0
          22, -1.72, 0.158, NO, 0,   23, -1.72, 0.158, NO, 0
          24, -1.72, 0.158, NO, 0,   25, -1.72, 0.158, NO, 0
          26, -1.72, 0.158, NO, 0,   27, -1.72, 0.158, NO, 0
          28, -1.72, 0.158, NO, 0,   29, -1.72, 0.158, NO, 0
          30, -1.72, 0.158, NO, 0,   31, -1.72, 0.158, NO, 0
          32, -1.72, 0.158, NO, 0,   33, -1.72, 0.158, NO, 0
          34, -1.72, 0.158, NO, 0,   35, -1.72, 0.158, NO, 0
          36, -1.72, 0.158, NO, 0,   37, -1.72, 0.158, NO, 0
          38, -1.72, 0.158, NO, 0,   39, -1.72, 0.158, NO, 0
   NAME=L2, LANE, , 0, 0, BOTH, 3, 1.8, NO
         270, -1.0451, 0.158, YES, 0,   269, -1.0451, 0.158, NO, 0
         268, -1.0451, 0.158, NO, 0,   267, -1.0451, 0.158, NO, 0
         266, -1.0451, 0.158, NO, 0,   265, -1.0451, 0.158, NO, 0
         264, -1.0451, 0.158, NO, 0,   263, -1.0451, 0.158, NO, 0
         262, -1.0451, 0.158, NO, 0,   261, -1.0451, 0.158, NO, 0
         260, -1.0451, 0.158, NO, 0,   259, -1.0451, 0.158, NO, 0
         258, -1.0451, 0.158, NO, 0,   257, -1.0451, 0.158, NO, 0
         256, -1.0451, 0.158, NO, 0,   255, -1.0451, 0.158, NO, 0
         254, -1.0451, 0.158, NO, 0,   253, -1.0451, 0.158, NO, 0
         252, -1.0451, 0.158, NO, 0,   251, -1.0451, 0.158, NO, 0
         250, -1.0451, 0.158, NO, 0,   249, -1.0451, 0.158, NO, 0
         248, -1.0451, 0.158, NO, 0,   247, -1.0451, 0.158, NO, 0
         246, -1.0451, 0.158, NO, 0,   245, -1.0451, 0.158, NO, 0
         244, -1.0451, 0.158, NO, 0,   243, -1.0451, 0.15, NO, 0
         242, -1.0451, 0.15, NO, 0,   241, -1.0451, 0.15, NO, 0
         240, -1.0451, 0.15, NO, 0,   239, -1.0451, 0.15, NO, 0
         238, -1.0451, 0.15, NO, 0,   237, -1.0451, 0.15, NO, 0
         236, -1.0451, 0.15, NO, 0,   235, -1.0451, 0.15, NO, 0
         234, -1.0451, 0.15, NO, 0,   233, -1.0451, 0.15, NO, 0
         232, -1.0451, 0.15, NO, 0,    79, -1.0451, 0.15, NO, 0
          80, -1.0451, 0.15, NO, 0,    81, -1.0451, 0.15, NO, 0
          82, -1.0451, 0.15, NO, 0,    83, -1.0451, 0.15, NO, 0
          84, -1.0451, 0.15, NO, 0,    85, -1.0451, 0.15, NO, 0
          86, -1.0451, 0.15, NO, 0,    87, -1.0451, 0.15, NO, 0
          88, -1.0451, 0.15, NO, 0,    89, -1.0451, 0.15, NO, 0
          90, -1.0451, 0.15, NO, 0,    91, -1.0451, 0.158, NO, 0
          92, -1.0451, 0.158, NO, 0,   93, -1.0451, 0.158, NO, 0
          94, -1.0451, 0.158, NO, 0,   95, -1.0451, 0.158, NO, 0
          96, -1.0451, 0.158, NO, 0,   97, -1.0451, 0.158, NO, 0
          98, -1.0451, 0.158, NO, 0,   99, -1.0451, 0.158, NO, 0
         100, -1.0451, 0.158, NO, 0,  101, -1.0451,
```

```
0.158, NO, 0
        102, -1.0451, 0.158, NO, 0,    103, -1.0451, 0.158, NO, 0
        104, -1.0451, 0.158, NO, 0,    105, -1.0451, 0.158, NO, 0
        106, -1.0451, 0.158, NO, 0,    107, -1.0451, 0.158, NO, 0
        108, -1.0451, 0.158, NO, 0,    109, -1.0451, 0.158, NO, 0
        110, -1.0451, 0.158, NO, 0,    111, -1.0451, 0.158, NO, 0
        112, -1.0451, 0.158, NO, 0,    113, -1.0451, 0.158, NO, 0
        114, -1.0451, 0.158, NO, 0,    115, -1.0451, 0.158, NO, 0
        116, -1.0451, 0.158, NO, 0,    117, -1.0451, 0.158, NO, 0
   NAME=L3, LANE, , 0, 0, BOTH, 3, 1.8, NO
        231, 0.395, 0.158, YES, 0,    230, 0.395, 0.158, NO, 0
        229, 0.395, 0.158, NO, 0,    228, 0.395, 0.158, NO, 0
        227, 0.395, 0.158, NO, 0,    226, 0.395, 0.158, NO, 0
        225, 0.395, 0.158, NO, 0,    224, 0.395, 0.158, NO, 0
        223, 0.395, 0.158, NO, 0,    222, 0.395, 0.158, NO, 0
        221, 0.395, 0.158, NO, 0,    220, 0.395, 0.158, NO, 0
        219, 0.395, 0.158, NO, 0,    218, 0.395, 0.158, NO, 0
        217, 0.395, 0.158, NO, 0,    216, 0.395, 0.158, NO, 0
        215, 0.395, 0.158, NO, 0,    214, 0.395, 0.158, NO, 0
        213, 0.395, 0.158, NO, 0,    212, 0.395, 0.158, NO, 0
        211, 0.395, 0.158, NO, 0,    210, 0.395, 0.158, NO, 0
        209, 0.395, 0.158, NO, 0,    208, 0.395, 0.158, NO, 0
        207, 0.395, 0.158, NO, 0,    206, 0.395, 0.158, NO, 0
        205, 0.395, 0.158, NO, 0,    204, 0.395, 0.15, NO, 0
        203, 0.395, 0.15, NO, 0,    202, 0.395, 0.15, NO, 0
        201, 0.395, 0.15, NO, 0,    200, 0.395, 0.15, NO, 0
        199, 0.395, 0.15, NO, 0,    198, 0.395, 0.15, NO, 0
        197, 0.395, 0.15, NO, 0,    196, 0.395, 0.15, NO, 0
        195, 0.395, 0.15, NO, 0,    194, 0.395, 0.15, NO, 0
        193, 0.395, 0.15, NO, 0,    40, 0.395, 0.15, NO, 0
         41, 0.395, 0.15, NO, 0,    42, 0.395, 0.15, NO, 0
         43, 0.395, 0.15, NO, 0,    44, 0.395, 0.15, NO, 0
         45, 0.395, 0.15, NO, 0,    46, 0.395, 0.15, NO, 0
         47, 0.395, 0.15, NO, 0,    48, 0.395, 0.15, NO, 0
         49, 0.395, 0.15, NO, 0,    50, 0.395, 0.15, NO, 0
         51, 0.395, 0.15, NO, 0,    52, 0.395, 0.158, NO, 0
         53, 0.395, 0.158, NO, 0,    54, 0.395, 0.158, NO, 0
         55, 0.395, 0.158, NO, 0,    56, 0.395, 0.158, NO, 0
         57, 0.395, 0.158, NO, 0,    58, 0.395, 0.158, NO, 0
         59, 0.395, 0.158, NO, 0,    60, 0.395, 0.158, NO, 0
         61, 0.395, 0.158, NO, 0,    62, 0.395, 0.158, NO, 0
         63, 0.395, 0.158, NO, 0,    64, 0.395, 0.158, NO, 0
         65, 0.395, 0.158, NO, 0,    66, 0.395, 0.158, NO, 0
         67, 0.395, 0.158, NO, 0,    68, 0.395, 0.158, NO, 0
         69, 0.395, 0.158, NO, 0,    70, 0.395, 0.158, NO, 0
         71, 0.395, 0.158, NO, 0,    72, 0.395, 0.158, NO, 0
         73, 0.395, 0.158, NO, 0,    74, 0.395, 0.158, NO, 0
         75, 0.395, 0.158, NO, 0,    76, 0.395, 0.158, NO, 0
         77, 0.395, 0.158, NO, 0,    78, 0.395, 0.158, 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 & 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,    ; standard (SUBWAY TRAINS)
; NAME=NAME, 1, iTYPE, VARIABLE, nDYNAFAC, dDYNAFAC, dEMPTYCAR
;    bFATI, nLOADFAC, 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,    ; user (Type 2)
; NAME=NAME, 2, iTYPE, Variable, nDYNAFAC, dDYNAFAC, dEMPTYCAR
;    bFATI, nLOADFAC, 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(DB), 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, 3, L1, L2, L3
   NAME=활하중(DL), NO, 1, 1, 0.9, 0.75, 0.75, 0.75, INDEPENDENT, , 0, 2
         1, 1, 1, 1, 1, 0.5, 0.25
         VL, DL-24, 1, 1, 3, L1, L2, L3
   NAME=활하중, NO, 1, 1, 0.9, 0.75, 0.75, 0.75, INDEPENDENT, , 0, 3
         1, 1, 1, 1, 1, 0.5, 0.25
         VL, DB-24, 1, 1, 3, L1, L2, L3
         VL, DL-24, 1, 1, 3, L1, L2, L3
*SM-GROUP    ; Settlement Group
; GRNAME, DISPLACEMENT, NODE_LIST
   A1, -0.01, 158 197
   P1, -0.01, 132 171
   P2, -0.01, 13 53
   A2, -0.01, 39 79
*SMLDCASE    ; Settlement Load Cases
; NAME=NAME, iSMIN, iSMAX, SCALE, DESC ; line 1
;       GRNAME1, GRNAME2, ...            ; from line 2
   NAME=지점침하, 1, 3, 1,
         A1, P1, P2, 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, 슬래브자중, 1
   NAME=합성후, GEN, ACTIVE, 0, 0, , 0, 0
         ST, 방호벽자중, 1, ST, 포장자중, 1
   NAME=고정하중, GEN, ACTIVE, 0, 0, , 0, 0
         CB, 합성전, 1, CB, 합성후, 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, 255, 255, 87, 255, 128, 0, 0, 128, 192
 ST, 슬래브자중, 255, 0, 192, 0, 192, 128, 128, 192, 0
 ST, 방호벽자중, 255, 160, 255, 212, 160, 255, 210, 210, 210
 ST, 포장자중, 93, 255, 87, 163, 255, 160, 0, 192, 192
 ST, 단위모멘트, 192, 192, 192, 163, 255, 160, 0, 128, 192
 SM, 지점침하, 128, 192, 0, 148, 87, 255, 192, 128, 0
 MV, 활하중(DB), 0, 128, 57, 192, 0, 128, 192, 128, 0
 MV, 활하중(DL), 255, 128, 0, 0, 128, 128, 0, 192, 128
 MV, 활하중, 78, 0, 255, 255, 255, 255, 163, 255, 160
 CB, 합성전, 255, 0, 128, 0, 192, 128, 163, 160, 255
 CB, 합성후, 212, 160, 255, 192, 192, 0, 255, 255, 255
 CB, 고정하중, 0, 128, 128, 255, 87, 128, 85, 0, 192
*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, 0,0.0000e+000,      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, 0,0.0000e+000,      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,
*ENDDATA
```

■ 송읍교 대구방향(S4~S7) 상부 input

```
;------------------------------------------------------------------------------
;  MIDAS/Civil Text(MCT) File.
;  Date : 2015/12/30
;------------------------------------------------------------------------------
*VERSION
   8.4.5
*UNIT     : Unit System
; FORCE, LENGTH, HEAT, TEMPER
   KN    , M, KCAL, C
*REBAR-MATL-CODE     ; Rebar Material Code
; CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
 KS01-Civil(RC), SD300, KS01-Civil(RC), SD300
*NODE     ; Nodes
; iNO, X, Y, Z
      1, 0, 0, 0
      2, 0.45, 0, 0
      3, 5, 0, 0
      4, 5.625, 0, 0
      5, 5.725, 0, 0
      6, 10, 0, 0
      7, 11.875, 0, 0
      8, 11.975, 0, 0
      9, 15, 0, 0
     10, 20, 0, 0
     11, 25, 0, 0
     12, 30, 0, 0
     13, 33.125, 0, 0
     14, 33.225, 0, 0
     15, 35, 0, 0
     16, 38.75, 0, 0
     17, 39.375, 0, 0
     18, 39.475, 0, 0
     19, 40, 0, 0
     20, 45, 0, 0
     21, 45.625, 0, 0
     22, 45.725, 0, 0
     23, 47.5, 0, 0
     24, 50, 0, 0
     25, 50.625, 0, 0
     26, 50.725, 0, 0
     27, 55, 0, 0
     28, 60, 0, 0
     29, 60.625, 0, 0
     30, 60.725, 0, 0
     31, 63.75, 0, 0
     32, 65, 0, 0
     33, 66.875, 0, 0
     34, 66.975, 0, 0
     35, 70, 0, 0
     36, 75, 0, 0
     37, 75.625, 0, 0
     38, 75.725, 0, 0
     39, 80, 0, 0
     40, 85, 0, 0
     41, 90, 0, 0
     42, 92.5, 0, 0
     43, 93.125, 0, 0
     44, 93.225, 0, 0
     45, 95, 0, 0
     46, 100, 0, 0
     47, 101.25, 0, 0
     48, 101.875, 0, 0
     49, 101.975, 0, 0
     50, 105, 0, 0
     51, 110, 0, 0
     52, 0, 3.9, 0
     53, 0.45, 3.9, 0
     54, 5, 3.9, 0
     55, 5.625, 3.9, 0
     56, 5.725, 3.9, 0
     57, 10, 3.9, 0
     58, 11.875, 3.9, 0
     59, 11.975, 3.9, 0
     60, 15, 3.9, 0
     61, 20, 3.9, 0
     62, 25, 3.9, 0
     63, 30, 3.9, 0
     64, 33.125, 3.9, 0
     65, 33.225, 3.9, 0
     66, 35, 3.9, 0
     67, 38.75, 3.9, 0
     68, 39.375, 3.9, 0
     69, 39.475, 3.9, 0
     70, 40, 3.9, 0
     71, 45, 3.9, 0
     72, 45.625, 3.9, 0
     73, 45.725, 3.9, 0
     74, 47.5, 3.9, 0
     75, 50, 3.9, 0
     76, 50.625, 3.9, 0
     77, 50.725, 3.9, 0
     78, 55, 3.9, 0
     79, 60, 3.9, 0
     80, 60.625, 3.9, 0
     81, 60.725, 3.9, 0
     82, 63.75, 3.9, 0
     83, 65, 3.9, 0
     84, 66.875, 3.9, 0
     85, 66.975, 3.9, 0
     86, 70, 3.9, 0
     87, 75, 3.9, 0
     88, 75.625, 3.9, 0
     89, 75.725, 3.9, 0
     90, 80, 3.9, 0
     91, 85, 3.9, 0
     92, 90, 3.9, 0
     93, 92.5, 3.9, 0
     94, 93.125, 3.9, 0
     95, 93.225, 3.9, 0
     96, 95, 3.9, 0
     97, 100, 3.9, 0
     98, 101.25, 3.9, 0
     99, 101.875, 3.9, 0
    100, 101.975, 3.9, 0
    101, 105, 3.9, 0
    102, 110, 3.9, 0
    103, 0, 7.8, 0
    104, 0.45, 7.8, 0
    105, 5, 7.8, 0
    106, 5.625, 7.8, 0
    107, 5.725, 7.8, 0
    108, 10, 7.8, 0
    109, 11.875, 7.8, 0
    110, 11.975, 7.8, 0
    111, 15, 7.8, 0
    112, 20, 7.8, 0
    113, 25, 7.8, 0
    114, 30, 7.8, 0
    115, 33.125, 7.8, 0
    116, 33.225, 7.8, 0
    117, 35, 7.8, 0
    118, 38.75, 7.8, 0
    119, 39.375, 7.8, 0
    120, 39.475, 7.8, 0
    121, 40, 7.8, 0
    122, 45, 7.8, 0
    123, 45.625, 7.8, 0
    124, 45.725, 7.8, 0
    125, 47.5, 7.8, 0
    126, 50, 7.8, 0
    127, 50.625, 7.8, 0
    128, 50.725, 7.8, 0
    129, 55, 7.8, 0
    130, 60, 7.8, 0
    131, 60.625, 7.8, 0
    132, 60.725, 7.8, 0
    133, 63.75, 7.8, 0
    134, 65, 7.8, 0
    135, 66.875, 7.8, 0
    136, 66.975, 7.8, 0
    137, 70, 7.8, 0
    138, 75, 7.8, 0
    139, 75.625, 7.8, 0
    140, 75.725, 7.8, 0
    141, 80, 7.8, 0
    142, 85, 7.8, 0
    143, 90, 7.8, 0
    144, 92.5, 7.8, 0
    145, 93.125, 7.8, 0
    146, 93.225, 7.8, 0
    147, 95, 7.8, 0
    148, 100, 7.8, 0
    149, 101.25, 7.8, 0
    150, 101.875, 7.8, 0
    151, 101.975, 7.8, 0
    152, 105, 7.8, 0
    153, 110, 7.8, 0
    154, 220, 7.8, 0
    155, 219.55, 7.8, 0
    156, 215, 7.8, 0
    157, 214.375, 7.8, 0
    158, 214.275, 7.8, 0
    159, 210, 7.8, 0
    160, 208.125, 7.8, 0
    161, 208.025, 7.8, 0
    162, 205, 7.8, 0
    163, 200, 7.8, 0
    164, 195, 7.8, 0
    165, 190, 7.8, 0
    166, 186.875, 7.8, 0
    167, 186.775, 7.8, 0
    168, 185, 7.8, 0
    169, 181.25, 7.8, 0
    170, 180.625, 7.8, 0
    171, 180.525, 7.8, 0
    172, 180, 7.8, 0
    173, 175, 7.8, 0
    174, 174.375, 7.8, 0
    175, 174.275, 7.8, 0
    176, 172.5, 7.8, 0
    177, 170, 7.8, 0
    178, 169.375, 7.8, 0
    179, 169.275, 7.8, 0
    180, 165, 7.8, 0
    181, 160, 7.8, 0
    182, 159.375, 7.8, 0
    183, 159.275, 7.8, 0
    184, 156.25, 7.8, 0
    185, 155, 7.8, 0
    186, 153.125, 7.8, 0
    187, 153.025, 7.8, 0
    188, 150, 7.8, 0
    189, 145, 7.8, 0
    190, 144.375, 7.8, 0
    191, 144.275, 7.8, 0
    192, 140, 7.8, 0
    193, 135, 7.8, 0
    194, 130, 7.8, 0
    195, 127.5, 7.8, 0
    196, 126.875, 7.8, 0
    197, 126.775, 7.8, 0
    198, 125, 7.8, 0
    199, 120, 7.8, 0
    200, 118.75, 7.8, 0
    201, 118.125, 7.8, 0
    202, 118.025, 7.8, 0
    203, 115, 7.8, 0
    204, 220, 0, 0
    205, 219.55, 0, 0
    206, 215, 0, 0
    207, 214.375, 0, 0
    208, 214.275, 0, 0
    209, 210, 0, 0
    210, 208.125, 0, 0
    211, 208.025, 0, 0
    212, 205, 0, 0
    213, 200, 0, 0
    214, 195, 0, 0
    215, 190, 0, 0
    216, 186.875, 0, 0
    217, 186.775, 0, 0
    218, 185, 0, 0
    219, 181.25, 0, 0
    220, 180.625, 0, 0
    221, 180.525, 0, 0
    222, 180, 0, 0
    223, 175, 0, 0
    224, 174.375, 0, 0
    225, 174.275, 0, 0
    226, 172.5, 0, 0
    227, 170, 0, 0
    228, 169.375, 0, 0
    229, 169.275, 0, 0
    230, 165, 0, 0
    231, 160, 0, 0
    232, 159.375, 0, 0
    233, 159.275, 0, 0
    234, 156.25, 0, 0
    235, 155, 0, 0
    236, 153.125, 0, 0
    237, 153.025, 0, 0
    238, 150, 0, 0
    239, 145, 0, 0
    240, 144.375, 0, 0
    241, 144.275, 0, 0
    242, 140, 0, 0
    243, 135, 0, 0
    244, 130, 0, 0
    245, 127.5, 0, 0
    246, 126.875, 0, 0
    247, 126.775, 0, 0
    248, 125, 0, 0
    249, 120, 0, 0
    250, 118.75, 0, 0
    251, 118.125, 0, 0
    252, 118.025, 0, 0
    253, 115, 0, 0
    254, 220, 3.9, 0
    255, 219.55, 3.9, 0
    256, 215, 3.9, 0
    257, 214.375, 3.9, 0
    258, 214.275, 3.9, 0
    259, 210, 3.9, 0
    260, 208.125, 3.9, 0
    261, 208.025, 3.9, 0
    262, 205, 3.9, 0
    263, 200, 3.9, 0
    264, 195, 3.9, 0
    265, 190, 3.9, 0
    266, 186.875, 3.9, 0
    267, 186.775, 3.9, 0
    268, 185, 3.9, 0
    269, 181.25, 3.9, 0
    270, 180.625, 3.9, 0
    271, 180.525, 3.9, 0
    272, 180, 3.9, 0
```

273, 175, 3.9, 0
274, 174.375, 3.9, 0
275, 174.275, 3.9, 0
276, 172.5, 3.9, 0
277, 170, 3.9, 0
278, 169.375, 3.9, 0
279, 169.275, 3.9, 0
280, 165, 3.9, 0
281, 160, 3.9, 0
282, 159.375, 3.9, 0
283, 159.275, 3.9, 0
284, 156.25, 3.9, 0
285, 155, 3.9, 0
286, 153.125, 3.9, 0
287, 153.025, 3.9, 0
288, 150, 3.9, 0
289, 145, 3.9, 0
290, 144.375, 3.9, 0
291, 144.275, 3.9, 0
292, 140, 3.9, 0
293, 135, 3.9, 0
294, 130, 3.9, 0
295, 127.5, 3.9, 0
296, 126.875, 3.9, 0
297, 126.775, 3.9, 0
298, 125, 3.9, 0
299, 120, 3.9, 0
300, 118.75, 3.9, 0
301, 118.125, 3.9, 0
302, 118.025, 3.9, 0
303, 115, 3.9, 0
304, 20.625, 7.8, 0
305, 20.625, 0, 0
306, 20.625, 3.9, 0
307, 82.5, 7.8, 0
308, 82.5, 0, 0
309, 82.5, 3.9, 0
310, 137.5, 7.8, 0
311, 137.5, 0, 0
312, 137.5, 3.9, 0
313, 199.375, 7.8, 0
314, 199.375, 0, 0
315, 199.375, 3.9, 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
; iEL, TYPE, iMAT, iPRO, iN1, iN2, REF, RPX, RPY, RPZ, iSUB, EXVAL ; Frame(Ref. Point)
1, BEAM , 1, 1, 103, 104, 0, 0
2, BEAM , 1, 1, 104, 105, 0, 0
3, BEAM , 1, 1, 105, 106, 0, 0
4, BEAM , 1, 2, 106, 107, 0, 0
5, BEAM , 1, 3, 107, 108, 0, 0
6, BEAM , 1, 3, 108, 109, 0, 0
7, BEAM , 1, 4, 109, 110, 0, 0
8, BEAM , 1, 5, 110, 111, 0, 0
9, BEAM , 1, 5, 111, 112, 0, 0
10, BEAM , 1, 5, 112, 304, 0, 0
11, BEAM , 1, 5, 113, 114, 0, 0
12, BEAM , 1, 5, 114, 115, 0, 0
13, BEAM , 1, 6, 115, 116, 0, 0
14, BEAM , 1, 3, 116, 117, 0, 0
15, BEAM , 1, 3, 117, 118, 0, 0
16, BEAM , 1, 7, 118, 119, 0, 0
17, BEAM , 1, 8, 119, 120, 0, 0
18, BEAM , 1, 9, 120, 121, 0, 0
19, BEAM , 1, 9, 121, 122, 0, 0
20, BEAM , 1, 9, 122, 123, 0, 0
21, BEAM , 1, 10, 123, 124, 0, 0
22, BEAM , 1, 11, 124, 125, 0, 0
23, BEAM , 1, 12, 125, 126, 0, 0
24, BEAM , 1, 12, 126, 127, 0, 0
25, BEAM , 1, 13, 127, 128, 0, 0
26, BEAM , 1, 14, 128, 129, 0, 0
27, BEAM , 1, 14, 129, 130, 0, 0
28, BEAM , 1, 14, 130, 131, 0, 0
29, BEAM , 1, 15, 131, 132, 0, 0
30, BEAM , 1, 12, 132, 133, 0, 0
31, BEAM , 1, 11, 133, 134, 0, 0
32, BEAM , 1, 11, 134, 135, 0, 0
33, BEAM , 1, 16, 135, 136, 0, 0
34, BEAM , 1, 9, 136, 137, 0, 0
35, BEAM , 1, 9, 137, 138, 0, 0
36, BEAM , 1, 17, 138, 139, 0, 0
37, BEAM , 1, 18, 139, 140, 0, 0
38, BEAM , 1, 3, 140, 141, 0, 0
39, BEAM , 1, 3, 141, 307, 0, 0
40, BEAM , 1, 3, 142, 143, 0, 0
41, BEAM , 1, 3, 143, 144, 0, 0
42, BEAM , 1, 7, 144, 145, 0, 0
43, BEAM , 1, 8, 145, 146, 0, 0
44, BEAM , 1, 9, 146, 147, 0, 0
45, BEAM , 1, 9, 147, 148, 0, 0
46, BEAM , 1, 9, 148, 149, 0, 0
47, BEAM , 1, 19, 149, 150, 0, 0
48, BEAM , 1, 20, 150, 151, 0, 0
49, BEAM , 1, 12, 151, 152, 0, 0
50, BEAM , 1, 12, 152, 153, 0, 0
51, BEAM , 1, 22, 1, 2, 0, 0
52, BEAM , 1, 22, 2, 3, 0, 0
53, BEAM , 1, 22, 3, 4, 0, 0
54, BEAM , 1, 23, 4, 5, 0, 0
55, BEAM , 1, 24, 5, 6, 0, 0
56, BEAM , 1, 24, 6, 7, 0, 0
57, BEAM , 1, 25, 7, 8, 0, 0
58, BEAM , 1, 26, 8, 9, 0, 0
59, BEAM , 1, 26, 9, 10, 0, 0
60, BEAM , 1, 26, 10, 305, 0, 0
61, BEAM , 1, 26, 11, 12, 0, 0
62, BEAM , 1, 26, 12, 13, 0, 0
63, BEAM , 1, 27, 13, 14, 0, 0
64, BEAM , 1, 24, 14, 15, 0, 0
65, BEAM , 1, 24, 15, 16, 0, 0
66, BEAM , 1, 28, 16, 17, 0, 0
67, BEAM , 1, 29, 17, 18, 0, 0
68, BEAM , 1, 30, 18, 19, 0, 0
69, BEAM , 1, 30, 19, 20, 0, 0
70, BEAM , 1, 30, 20, 21, 0, 0
71, BEAM , 1, 31, 21, 22, 0, 0
72, BEAM , 1, 32, 22, 23, 0, 0
73, BEAM , 1, 33, 23, 24, 0, 0
74, BEAM , 1, 33, 24, 25, 0, 0
75, BEAM , 1, 34, 25, 26, 0, 0
76, BEAM , 1, 35, 26, 27, 0, 0
77, BEAM , 1, 35, 27, 28, 0, 0
78, BEAM , 1, 35, 28, 29, 0, 0
79, BEAM , 1, 36, 29, 30, 0, 0
80, BEAM , 1, 33, 30, 31, 0, 0
81, BEAM , 1, 32, 31, 32, 0, 0
82, BEAM , 1, 32, 32, 33, 0, 0
83, BEAM , 1, 37, 33, 34, 0, 0
84, BEAM , 1, 30, 34, 35, 0, 0
85, BEAM , 1, 30, 35, 36, 0, 0
86, BEAM , 1, 38, 36, 37, 0, 0
87, BEAM , 1, 39, 37, 38, 0, 0
88, BEAM , 1, 24, 38, 39, 0, 0
89, BEAM , 1, 24, 39, 308, 0, 0
90, BEAM , 1, 24, 40, 41, 0, 0
91, BEAM , 1, 24, 41, 42, 0, 0
92, BEAM , 1, 28, 42, 43, 0, 0
93, BEAM , 1, 29, 43, 44, 0, 0
94, BEAM , 1, 30, 44, 45, 0, 0
95, BEAM , 1, 30, 45, 46, 0, 0
96, BEAM , 1, 30, 46, 47, 0, 0
97, BEAM , 1, 40, 47, 48, 0, 0
98, BEAM , 1, 41, 48, 49, 0, 0
99, BEAM , 1, 33, 49, 50, 0, 0
100, BEAM , 1, 33, 50, 51, 0, 0
101, BEAM , 2, 21, 52, 53, 0, 0
102, BEAM , 2, 21, 53, 54, 0, 0
103, BEAM , 2, 21, 54, 55, 0, 0
104, BEAM , 2, 21, 55, 56, 0, 0
105, BEAM , 2, 21, 56, 57, 0, 0
106, BEAM , 2, 21, 57, 58, 0, 0
107, BEAM , 2, 21, 58, 59, 0, 0
108, BEAM , 2, 21, 59, 60, 0, 0
109, BEAM , 2, 21, 60, 61, 0, 0
110, BEAM , 2, 21, 61, 306, 0, 0
111, BEAM , 2, 21, 62, 63, 0, 0
112, BEAM , 2, 21, 63, 64, 0, 0
113, BEAM , 2, 21, 64, 65, 0, 0
114, BEAM , 2, 21, 65, 66, 0, 0
115, BEAM , 2, 21, 66, 67, 0, 0
116, BEAM , 2, 21, 67, 68, 0, 0
117, BEAM , 2, 21, 68, 69, 0, 0
118, BEAM , 2, 21, 69, 70, 0, 0
119, BEAM , 2, 21, 70, 71, 0, 0
120, BEAM , 2, 21, 71, 72, 0, 0
121, BEAM , 2, 21, 72, 73, 0, 0
122, BEAM , 2, 21, 73, 74, 0, 0
123, BEAM , 2, 21, 74, 75, 0, 0
124, BEAM , 2, 21, 75, 76, 0, 0
125, BEAM , 2, 21, 76, 77, 0, 0
126, BEAM , 2, 21, 77, 78, 0, 0
127, BEAM , 2, 21, 78, 79, 0, 0
128, BEAM , 2, 21, 79, 80, 0, 0
129, BEAM , 2, 21, 80, 81, 0, 0
130, BEAM , 2, 21, 81, 82, 0, 0
131, BEAM , 2, 21, 82, 83, 0, 0
132, BEAM , 2, 21, 83, 84, 0, 0
133, BEAM , 2, 21, 84, 85, 0, 0
134, BEAM , 2, 21, 85, 86, 0, 0
135, BEAM , 2, 21, 86, 87, 0, 0
136, BEAM , 2, 21, 87, 88, 0, 0
137, BEAM , 2, 21, 88, 89, 0, 0
138, BEAM , 2, 21, 89, 90, 0, 0
139, BEAM , 2, 21, 90, 309, 0, 0
140, BEAM , 2, 21, 91, 92, 0, 0
141, BEAM , 2, 21, 92, 93, 0, 0
142, BEAM , 2, 21, 93, 94, 0, 0
143, BEAM , 2, 21, 94, 95, 0, 0
144, BEAM , 2, 21, 95, 96, 0, 0
145, BEAM , 2, 21, 96, 97, 0, 0
146, BEAM , 2, 21, 97, 98, 0, 0
147, BEAM , 2, 21, 98, 99, 0, 0
148, BEAM , 2, 21, 99, 100, 0, 0
149, BEAM , 2, 21, 100, 101, 0, 0
150, BEAM , 2, 21, 101, 102, 0, 0
151, BEAM , 2, 42, 2, 53, 0, 0
152, BEAM , 2, 42, 53, 104, 0, 0
153, BEAM , 2, 42, 51, 102, 0, 0
154, BEAM , 2, 42, 102, 153, 0, 0
155, BEAM , 2, 42, 27, 78, 0, 0
156, BEAM , 2, 42, 78, 129, 0, 0
157, BEAM , 2, 43, 3, 54, 0, 0
158, BEAM , 2, 43, 54, 105, 0, 0
159, BEAM , 2, 43, 6, 57, 0, 0
160, BEAM , 2, 43, 57, 108, 0, 0
161, BEAM , 2, 43, 9, 60, 0, 0
162, BEAM , 2, 43, 60, 111, 0, 0
163, BEAM , 2, 43, 10, 61, 0, 0
164, BEAM , 2, 43, 61, 112, 0, 0
165, BEAM , 2, 43, 11, 62, 0, 0
166, BEAM , 2, 43, 62, 113, 0, 0
167, BEAM , 2, 43, 12, 63, 0, 0
168, BEAM , 2, 43, 63, 114, 0, 0
169, BEAM , 2, 43, 15, 66, 0, 0
170, BEAM , 2, 43, 66, 117, 0, 0
171, BEAM , 2, 43, 19, 70, 0, 0
172, BEAM , 2, 43, 70, 121, 0, 0
173, BEAM , 2, 43, 20, 71, 0, 0
174, BEAM , 2, 43, 71, 122, 0, 0
175, BEAM , 2, 43, 24, 75, 0, 0
176, BEAM , 2, 43, 75, 126, 0, 0
177, BEAM , 2, 43, 28, 79, 0, 0
178, BEAM , 2, 43, 79, 130, 0, 0
179, BEAM , 2, 43, 32, 83, 0, 0
180, BEAM , 2, 43, 83, 134, 0, 0
181, BEAM , 2, 43, 35, 86, 0, 0
182, BEAM , 2, 43, 86, 137, 0, 0
183, BEAM , 2, 43, 36, 87, 0, 0
184, BEAM , 2, 43, 87, 138, 0, 0
185, BEAM , 2, 43, 39, 90, 0, 0
186, BEAM , 2, 43, 90, 141, 0, 0
187, BEAM , 2, 43, 40, 91, 0, 0
188, BEAM , 2, 43, 91, 142, 0, 0
189, BEAM , 2, 43, 41, 92, 0, 0
190, BEAM , 2, 43, 92, 143, 0, 0
191, BEAM , 2, 43, 45, 96, 0, 0
192, BEAM , 2, 43, 96, 147, 0, 0
193, BEAM , 2, 43, 46, 97, 0, 0
194, BEAM , 2, 43, 97, 148, 0, 0
195, BEAM , 2, 43, 50, 101, 0, 0
196, BEAM , 2, 43, 101, 152, 0, 0
197, BEAM , 1, 1, 154, 155, 0, 0
198, BEAM , 1, 1, 155, 156, 0, 0
199, BEAM , 1, 1, 156, 157, 0, 0
200, BEAM , 1, 2, 157, 158, 0, 0
201, BEAM , 1, 3, 158, 159, 0, 0
202, BEAM , 1, 3, 159, 160, 0, 0
203, BEAM , 1, 4, 160, 161, 0, 0
204, BEAM , 1, 5, 161, 162, 0, 0
205, BEAM , 1, 5, 162, 163, 0, 0
206, BEAM , 1, 5, 163, 313, 0, 0
207, BEAM , 1, 5, 164, 165, 0, 0
208, BEAM , 1, 5, 165, 166, 0, 0
209, BEAM , 1, 6, 166, 167, 0, 0
210, BEAM , 1, 3, 167, 168, 0, 0
211, BEAM , 1, 3, 168, 169, 0, 0
212, BEAM , 1, 7, 169, 170, 0, 0
213, BEAM , 1, 8, 170, 171, 0, 0
214, BEAM , 1, 9, 171, 172, 0, 0
215, BEAM , 1, 9, 172, 173, 0, 0
216, BEAM , 1, 9, 173, 174, 0, 0
217, BEAM , 1, 10, 174, 175, 0, 0
218, BEAM , 1, 11, 175, 176, 0, 0
219, BEAM , 1, 12, 176, 177, 0, 0
220, BEAM , 1, 12, 177, 178, 0, 0
221, BEAM , 1, 13, 178, 179, 0, 0
222, BEAM , 1, 14, 179, 180, 0, 0
223, BEAM , 1, 14, 180, 181, 0, 0
224, BEAM , 1, 14, 181, 182, 0, 0
225, BEAM , 1, 15, 182, 183, 0, 0
226, BEAM , 1, 12, 183, 184, 0, 0
227, BEAM , 1, 11, 184, 185, 0, 0
228, BEAM , 1, 11, 185, 186, 0, 0
229, BEAM , 1, 16, 186, 187, 0, 0
230, BEAM , 1, 9, 187, 188, 0, 0
231, BEAM , 1, 9, 188, 189, 0, 0
232, BEAM , 1, 17, 189, 190, 0, 0
233, BEAM , 1, 18, 190, 191, 0, 0
234, BEAM , 1, 3, 191, 192, 0, 0
235, BEAM , 1, 3, 192, 310, 0, 0
236, BEAM , 1, 3, 193, 194, 0, 0
237, BEAM , 1, 3, 194, 195, 0, 0

```
238, BEAM  ,  1,  7,  195,  196,  0,  0
239, BEAM  ,  1,  8,  196,  197,  0,  0
240, BEAM  ,  1,  9,  197,  198,  0,  0
241, BEAM  ,  1,  9,  198,  199,  0,  0
242, BEAM  ,  1,  9,  199,  200,  0,  0
243, BEAM  ,  1,  19,  200,  201,  0,  0
244, BEAM  ,  1,  20,  201,  202,  0,  0
245, BEAM  ,  1,  12,  202,  203,  0,  0
246, BEAM  ,  1,  12,  203,  153,  0,  0
247, BEAM  ,  1,  22,  204,  205,  0,  0
248, BEAM  ,  1,  22,  205,  206,  0,  0
249, BEAM  ,  1,  22,  206,  207,  0,  0
250, BEAM  ,  1,  23,  207,  208,  0,  0
251, BEAM  ,  1,  24,  208,  209,  0,  0
252, BEAM  ,  1,  24,  209,  210,  0,  0
253, BEAM  ,  1,  25,  210,  211,  0,  0
254, BEAM  ,  1,  26,  211,  212,  0,  0
255, BEAM  ,  1,  26,  212,  213,  0,  0
256, BEAM  ,  1,  26,  213,  314,  0,  0
257, BEAM  ,  1,  26,  214,  215,  0,  0
258, BEAM  ,  1,  26,  215,  216,  0,  0
259, BEAM  ,  1,  27,  216,  217,  0,  0
260, BEAM  ,  1,  24,  217,  218,  0,  0
261, BEAM  ,  1,  24,  218,  219,  0,  0
262, BEAM  ,  1,  28,  219,  220,  0,  0
263, BEAM  ,  1,  29,  220,  221,  0,  0
264, BEAM  ,  1,  30,  221,  222,  0,  0
265, BEAM  ,  1,  30,  222,  223,  0,  0
266, BEAM  ,  1,  30,  223,  224,  0,  0
267, BEAM  ,  1,  31,  224,  225,  0,  0
268, BEAM  ,  1,  32,  225,  226,  0,  0
269, BEAM  ,  1,  33,  226,  227,  0,  0
270, BEAM  ,  1,  33,  227,  228,  0,  0
271, BEAM  ,  1,  34,  228,  229,  0,  0
272, BEAM  ,  1,  35,  229,  230,  0,  0
273, BEAM  ,  1,  35,  230,  231,  0,  0
274, BEAM  ,  1,  35,  231,  232,  0,  0
275, BEAM  ,  1,  36,  232,  233,  0,  0
276, BEAM  ,  1,  33,  233,  234,  0,  0
277, BEAM  ,  1,  32,  234,  235,  0,  0
278, BEAM  ,  1,  32,  235,  236,  0,  0
279, BEAM  ,  1,  37,  236,  237,  0,  0
280, BEAM  ,  1,  30,  237,  238,  0,  0
281, BEAM  ,  1,  30,  238,  239,  0,  0
282, BEAM  ,  1,  38,  239,  240,  0,  0
283, BEAM  ,  1,  39,  240,  241,  0,  0
284, BEAM  ,  1,  24,  241,  242,  0,  0
285, BEAM  ,  1,  24,  242,  311,  0,  0
286, BEAM  ,  1,  24,  243,  244,  0,  0
287, BEAM  ,  1,  24,  244,  245,  0,  0
288, BEAM  ,  1,  28,  245,  246,  0,  0
289, BEAM  ,  1,  29,  246,  247,  0,  0
290, BEAM  ,  1,  30,  247,  248,  0,  0
291, BEAM  ,  1,  30,  248,  249,  0,  0
292, BEAM  ,  1,  30,  249,  250,  0,  0
293, BEAM  ,  1,  40,  250,  251,  0,  0
294, BEAM  ,  1,  41,  251,  252,  0,  0
295, BEAM  ,  1,  33,  252,  253,  0,  0
296, BEAM  ,  1,  33,  253,  51,  0,  0
297, BEAM  ,  2,  21,  254,  255,  0,  0
298, BEAM  ,  2,  21,  255,  256,  0,  0
299, BEAM  ,  2,  21,  256,  257,  0,  0
300, BEAM  ,  2,  21,  257,  258,  0,  0
301, BEAM  ,  2,  21,  258,  259,  0,  0
302, BEAM  ,  2,  21,  259,  260,  0,  0
303, BEAM  ,  2,  21,  260,  261,  0,  0
304, BEAM  ,  2,  21,  261,  262,  0,  0
305, BEAM  ,  2,  21,  262,  263,  0,  0
306, BEAM  ,  2,  21,  263,  315,  0,  0
307, BEAM  ,  2,  21,  264,  265,  0,  0
308, BEAM  ,  2,  21,  265,  266,  0,  0
309, BEAM  ,  2,  21,  266,  267,  0,  0
310, BEAM  ,  2,  21,  267,  268,  0,  0
311, BEAM  ,  2,  21,  268,  269,  0,  0
312, BEAM  ,  2,  21,  269,  270,  0,  0
313, BEAM  ,  2,  21,  270,  271,  0,  0
314, BEAM  ,  2,  21,  271,  272,  0,  0
315, BEAM  ,  2,  21,  272,  273,  0,  0
316, BEAM  ,  2,  21,  273,  274,  0,  0
317, BEAM  ,  2,  21,  274,  275,  0,  0
318, BEAM  ,  2,  21,  275,  276,  0,  0
319, BEAM  ,  2,  21,  276,  277,  0,  0
320, BEAM  ,  2,  21,  277,  278,  0,  0
321, BEAM  ,  2,  21,  278,  279,  0,  0
322, BEAM  ,  2,  21,  279,  280,  0,  0
323, BEAM  ,  2,  21,  280,  281,  0,  0
324, BEAM  ,  2,  21,  281,  282,  0,  0
325, BEAM  ,  2,  21,  282,  283,  0,  0
326, BEAM  ,  2,  21,  283,  284,  0,  0
327, BEAM  ,  2,  21,  284,  285,  0,  0
328, BEAM  ,  2,  21,  285,  286,  0,  0
329, BEAM  ,  2,  21,  286,  287,  0,  0
330, BEAM  ,  2,  21,  287,  288,  0,  0
331, BEAM  ,  2,  21,  288,  289,  0,  0
332, BEAM  ,  2,  21,  289,  290,  0,  0
333, BEAM  ,  2,  21,  290,  291,  0,  0
334, BEAM  ,  2,  21,  291,  292,  0,  0
335, BEAM  ,  2,  21,  292,  312,  0,  0
336, BEAM  ,  2,  21,  293,  294,  0,  0
337, BEAM  ,  2,  21,  294,  295,  0,  0
338, BEAM  ,  2,  21,  295,  296,  0,  0
339, BEAM  ,  2,  21,  296,  297,  0,  0
340, BEAM  ,  2,  21,  297,  298,  0,  0
341, BEAM  ,  2,  21,  298,  299,  0,  0
342, BEAM  ,  2,  21,  299,  300,  0,  0
343, BEAM  ,  2,  21,  300,  301,  0,  0
344, BEAM  ,  2,  21,  301,  302,  0,  0
345, BEAM  ,  2,  21,  302,  303,  0,  0
346, BEAM  ,  2,  21,  303,  102,  0,  0
347, BEAM  ,  2,  42,  205,  255,  0,  0
348, BEAM  ,  2,  42,  255,  155,  0,  0
349, BEAM  ,  2,  42,  230,  280,  0,  0
350, BEAM  ,  2,  42,  280,  180,  0,  0
351, BEAM  ,  2,  43,  206,  256,  0,  0
352, BEAM  ,  2,  43,  256,  156,  0,  0
353, BEAM  ,  2,  43,  209,  259,  0,  0
354, BEAM  ,  2,  43,  259,  159,  0,  0
355, BEAM  ,  2,  43,  212,  262,  0,  0
356, BEAM  ,  2,  43,  262,  162,  0,  0
357, BEAM  ,  2,  43,  213,  263,  0,  0
358, BEAM  ,  2,  43,  263,  163,  0,  0
359, BEAM  ,  2,  43,  214,  264,  0,  0
360, BEAM  ,  2,  43,  264,  164,  0,  0
361, BEAM  ,  2,  43,  215,  265,  0,  0
362, BEAM  ,  2,  43,  265,  165,  0,  0
363, BEAM  ,  2,  43,  218,  268,  0,  0
364, BEAM  ,  2,  43,  268,  168,  0,  0
365, BEAM  ,  2,  43,  222,  272,  0,  0
366, BEAM  ,  2,  43,  272,  172,  0,  0
367, BEAM  ,  2,  43,  223,  273,  0,  0
368, BEAM  ,  2,  43,  273,  173,  0,  0
369, BEAM  ,  2,  43,  227,  277,  0,  0
370, BEAM  ,  2,  43,  277,  177,  0,  0
371, BEAM  ,  2,  43,  231,  281,  0,  0
372, BEAM  ,  2,  43,  281,  181,  0,  0
373, BEAM  ,  2,  43,  235,  285,  0,  0
374, BEAM  ,  2,  43,  285,  185,  0,  0
375, BEAM  ,  2,  43,  238,  288,  0,  0
376, BEAM  ,  2,  43,  288,  188,  0,  0
377, BEAM  ,  2,  43,  239,  289,  0,  0
378, BEAM  ,  2,  43,  289,  189,  0,  0
379, BEAM  ,  2,  43,  242,  292,  0,  0
380, BEAM  ,  2,  43,  292,  192,  0,  0
381, BEAM  ,  2,  43,  243,  293,  0,  0
382, BEAM  ,  2,  43,  293,  193,  0,  0
383, BEAM  ,  2,  43,  244,  294,  0,  0
384, BEAM  ,  2,  43,  294,  194,  0,  0
385, BEAM  ,  2,  43,  248,  298,  0,  0
386, BEAM  ,  2,  43,  298,  198,  0,  0
387, BEAM  ,  2,  43,  249,  299,  0,  0
388, BEAM  ,  2,  43,  299,  199,  0,  0
389, BEAM  ,  2,  43,  253,  303,  0,  0
390, BEAM  ,  2,  43,  303,  203,  0,  0
391, BEAM  ,  1,  5,  304,  113,  0,  0
392, BEAM  ,  1,  26,  305,  11,  0,  0
393, BEAM  ,  2,  21,  306,  62,  0,  0
394, BEAM  ,  1,  3,  307,  142,  0,  0
395, BEAM  ,  1,  24,  308,  40,  0,  0
396, BEAM  ,  2,  21,  309,  91,  0,  0
397, BEAM  ,  1,  3,  310,  193,  0,  0
398, BEAM  ,  1,  24,  311,  243,  0,  0
399, BEAM  ,  2,  21,  312,  293,  0,  0
400, BEAM  ,  1,  5,  313,  164,  0,  0
401, BEAM  ,  1,  26,  314,  214,  0,  0
402, BEAM  ,  2,  21,  315,  264,  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
*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
*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 , G1-1          , CC, 0, 0, 0, 0,
0, 0, YES, B
      2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.01
      1, 0, 0, 0, 3, 5
      1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
      5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   2, COMPOSITE , G1-2          , CC, 0, 0, 0, 0,
0, 0, YES, B
      2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.01
      1, 0, 0, 0, 3, 5
      1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
      5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   3, COMPOSITE , G1-3          , CC, 0, 0, 0, 0,
0, 0, YES, B
      2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014
      1, 0, 0, 0, 3, 5
      1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
      5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   4, COMPOSITE , G1-4          , CC, 0, 0, 0, 0,
0, 0, YES, B
      2.7, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.014
      1, 0, 0, 0, 3, 5
      1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
      5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   5, COMPOSITE , G1-5          , CC, 0, 0, 0, 0,
0, 0, YES, B
      2.7, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.02
      1, 0, 0, 0, 3, 5
      1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
      5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   6, COMPOSITE , G1-6          , CC, 0, 0, 0, 0,
0, 0, YES, B
      2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.02
      1, 0, 0, 0, 3, 5
      1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
      5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   7, COMPOSITE , G1-7          , CC, 0, 0, 0, 0,
0, 0, YES, B
      2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014
      1, 0, 0, 0, 5, 5
      1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   8, COMPOSITE , G1-8          , CC, 0, 0, 0, 0,
0, 0, YES, B
      2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.014
      1, 0, 0, 0, 5, 5
      1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   9, COMPOSITE , G1-9          , CC, 0, 0, 0, 0,
0, 0, YES, B
      2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
      1, 0, 0, 0, 5, 5
      1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   10, COMPOSITE , G1-10        , CC, 0, 0, 0, 0,
0, 0, YES, B
      2.7, 0.012, 2.5, 0.1, 0.02, 2.5, 0.1, 0.012
      1, 0, 0, 0, 5, 5
      1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   11, COMPOSITE , G1-11        , CC, 0, 0, 0, 0,
0, 0, YES, B
      2.7, 0.012, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
      1, 0, 0, 0, 5, 5
      1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   12, COMPOSITE , G1-12        , CC, 0, 0, 0, 0,
0, 0, YES, B
      2.7, 0.012, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
      1, 0, 0, 0, 5, 3
      1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
      12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   13, COMPOSITE , G1-13        , CC, 0, 0, 0, 0,
0, 0, YES, B
      2.7, 0.012, 2.5, 0.1, 0.03, 2.5, 0.1, 0.022
      1, 0, 0, 0, 5, 3
      1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
      12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   14, COMPOSITE , G1-14        , CC, 0, 0, 0, 0,
0, 0, YES, B
      2.7, 0.012, 2.5, 0.1, 0.03, 2.5, 0.1, 0.032
      1, 0, 0, 0, 5, 3
      1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
      12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   15, COMPOSITE , G1-15        , CC, 0, 0, 0, 0,
0, 0, YES, B
      2.7, 0.012, 2.5, 0.1, 0.02, 2.5, 0.1, 0.032
      1, 0, 0, 0, 5, 3
      1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
      12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   16, COMPOSITE , G1-16        , CC, 0, 0, 0, 0,
0, 0, YES, B
      2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.022
      1, 0, 0, 0, 5, 5
      1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   17, COMPOSITE , G1-17        , CC, 0, 0, 0, 0,
0, 0, YES, B
      2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
      1, 0, 0, 0, 3, 5
      1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
      5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   18, COMPOSITE , G1-18        , CC, 0, 0, 0, 0,
0, 0, YES, B
      2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.012
      1, 0, 0, 0, 3, 5
      1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
```

5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
19, COMPOSITE , G1-19 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
20, COMPOSITE , G1-20 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
21, DBUSER , Stringer , CC, 0, 0, 0, 0, 0, 0, YES, H , 2, 0.8, 0.25, 0.01, 0.01, 0.25, 0.01, 0, 0, 0, 0
22, COMPOSITE , G2-1 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.01
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
23, COMPOSITE , G2-2 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.01
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
24, COMPOSITE , G2-3 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
25, COMPOSITE , G2-4 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.014
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
26, COMPOSITE , G2-5 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.02
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
27, COMPOSITE , G2-6 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.02
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
28, COMPOSITE , G2-7 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
29, COMPOSITE , G2-8 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.014
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
30, COMPOSITE , G2-9 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
31, COMPOSITE , G2-10 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.02, 2.5, 0.1, 0.012
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
32, COMPOSITE , G2-11 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
33, COMPOSITE , G2-12 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
34, COMPOSITE , G2-13 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.03, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
35, COMPOSITE , G2-14 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.03, 2.5, 0.1, 0.032
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
36, COMPOSITE , G2-15 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.02, 2.5, 0.1, 0.032
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
37, COMPOSITE , G2-16 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
38, COMPOSITE , G2-17 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
39, COMPOSITE , G2-18 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.012
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
40, COMPOSITE , G2-19 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
41, COMPOSITE , G2-20 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
42, DBUSER , Cross Beam-교대교각, CC, 0, 0, 0, 0, 0, 0, YES, H , 2, 2, 0.3, 0.012, 0.012, 0.3, 0.012, 0, 0, 0, 0
43, DBUSER , Cross Beam-일반 , CC, 0, 0, 0, 0, 0, 0, YES, H , 2, 1.5, 0.3, 0.01, 0.01, 0.3, 0.01, 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
   23, 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
*COMP-GEN-SECT-PSC-DESIGN      ; Composite Section
for PSC Design
; ELEM, (Z1, Z2, Z3, t1, t2, t3, TotT)-I, (Z1, Z2, Z3, t1,
t2, t3, TotT)-J
    5, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
    6, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   10, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   11, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   12, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   15, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   19, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   20, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   26, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   27, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   31, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   32, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   33, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   36, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   40, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   41, 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 , G1-1          , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.01
        1, 0, 0, 0, 3, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3,
0.18, 1.2, NO, ,
    2, COMPOSITE , G1-2          , CC, 0, 0, 0, 0,
0, 0, YES, B
```

2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.01
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
3, COMPOSITE , G1-3 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
4, COMPOSITE , G1-4 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.014
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
5, COMPOSITE , G1-5 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.02
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
6, COMPOSITE , G1-6 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.02
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
7, COMPOSITE , G1-7 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
8, COMPOSITE , G1-8 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.014
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
9, COMPOSITE , G1-9 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
10, COMPOSITE , G1-10 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.02, 2.5, 0.1, 0.012
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
11, COMPOSITE , G1-11 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
12, COMPOSITE , G1-12 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
13, COMPOSITE , G1-13 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.03, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
14, COMPOSITE , G1-14 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.03, 2.5, 0.1, 0.032
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
15, COMPOSITE , G1-15 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.02, 2.5, 0.1, 0.032
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
16, COMPOSITE , G1-16 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
17, COMPOSITE , G1-17 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
18, COMPOSITE , G1-18 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.012
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
19, COMPOSITE , G1-19 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
20, COMPOSITE , G1-20 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
21, DBUSER , Stringer , CC, 0, 0, 0, 0, 0, 0, YES, H , 2, 0.8, 0.25, 0.01, 0.01, 0.25, 0.01, 0, 0, 0, 0
22, COMPOSITE , G2-1 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.01
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
23, COMPOSITE , G2-2 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.01
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
24, COMPOSITE , G2-3 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
25, COMPOSITE , G2-4 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.014
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
26, COMPOSITE , G2-5 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.02
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO

```
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   27, COMPOSITE , G2-6                , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.02
        1, 0, 0, 0, 3, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   28, COMPOSITE , G2-7                , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014
        1, 0, 0, 0, 5, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   29, COMPOSITE , G2-8                , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.014
        1, 0, 0, 0, 5, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   30, COMPOSITE , G2-9                , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
        1, 0, 0, 0, 5, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   31, COMPOSITE , G2-10               , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.02, 2.5, 0.1, 0.012
        1, 0, 0, 0, 5, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   32, COMPOSITE , G2-11               , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
        1, 0, 0, 0, 5, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   33, COMPOSITE , G2-12               , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
        1, 0, 0, 0, 5, 3
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   34, COMPOSITE , G2-13               , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.03, 2.5, 0.1, 0.022
        1, 0, 0, 0, 5, 3
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   35, COMPOSITE , G2-14               , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.03, 2.5, 0.1, 0.032
        1, 0, 0, 0, 5, 3
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   36, COMPOSITE , G2-15               , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.02, 2.5, 0.1, 0.032
        1, 0, 0, 0, 5, 3
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   37, COMPOSITE , G2-16               , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.022
        1, 0, 0, 0, 5, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   38, COMPOSITE , G2-17               , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
        1, 0, 0, 0, 3, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   39, COMPOSITE , G2-18               , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.012
        1, 0, 0, 0, 3, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   40, COMPOSITE , G2-19               , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
        1, 0, 0, 0, 5, 3
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   41, COMPOSITE , G2-20               , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.022
        1, 0, 0, 0, 5, 3
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   42, DBUSER      , Cross Beam-교대교각, CC, 0, 0, 0,
0, 0, 0, YES, H   , 2, 2, 0.3, 0.012, 0.012, 0.3, 0.012, 0,
0, 0, 0
   43, DBUSER      , Cross Beam-일반    , CC, 0, 0, 0, 0,
0, 0, YES, H   , 2, 1.5, 0.3, 0.01, 0.01, 0.3, 0.01, 0, 0,
0, 0
*STLDCASE     ; Static Load Cases
; LCNAME, LCTYPE, DESC
   자중 , D ,
   슬래브 하중, D ,
   "포장, 방호벽 하중", D ,
   단위모멘트, USER,
*CONSTRAINT     ; Supports
; NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP
   51, 111000,
   153, 101000,
   2 27 205 230, 011000,
   104 129 155 180, 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
   151, ELEMENT, 0, 1.35,
   152, ELEMENT, 1.35, 0,
   153, ELEMENT, 0, 1.35,
   154, ELEMENT, 1.35, 0,
   155, ELEMENT, 0, 1.35,
   156, ELEMENT, 1.35, 0,
   157, ELEMENT, 0, 1.35,
   158, ELEMENT, 1.35, 0,
   159, ELEMENT, 0, 1.35,
   160, ELEMENT, 1.35, 0,
   161, ELEMENT, 0, 1.35,
   162, ELEMENT, 1.35, 0,
   163, ELEMENT, 0, 1.35,
   164, ELEMENT, 1.35, 0,
   165, ELEMENT, 0, 1.35,
   166, ELEMENT, 1.35, 0,
   167, ELEMENT, 0, 1.35,
   168, ELEMENT, 1.35, 0,
   169, ELEMENT, 0, 1.35,
   170, ELEMENT, 1.35, 0,
   171, ELEMENT, 0, 1.35,
   172, ELEMENT, 1.35, 0,
   173, ELEMENT, 0, 1.35,
   174, ELEMENT, 1.35, 0,
   175, ELEMENT, 0, 1.35,
   176, ELEMENT, 1.35, 0,
   177, ELEMENT, 0, 1.35,
   178, ELEMENT, 1.35, 0,
   179, ELEMENT, 0, 1.35,
   180, ELEMENT, 1.35, 0,
   181, ELEMENT, 0, 1.35,
   182, ELEMENT, 1.35, 0,
   183, ELEMENT, 0, 1.35,
   184, ELEMENT, 1.35, 0,
   185, ELEMENT, 0, 1.35,
   186, ELEMENT, 1.35, 0,
   187, ELEMENT, 0, 1.35,
   188, ELEMENT, 1.35, 0,
   189, ELEMENT, 0, 1.35,
   190, ELEMENT, 1.35, 0,
   191, ELEMENT, 0, 1.35,
   192, ELEMENT, 1.35, 0,
   193, ELEMENT, 0, 1.35,
   194, ELEMENT, 1.35, 0,
   195, ELEMENT, 0, 1.35,
   196, ELEMENT, 1.35, 0,
   347, ELEMENT, 0, 1.35,
   348, ELEMENT, 1.35, 0,
   349, ELEMENT, 0, 1.35,
   350, ELEMENT, 1.35, 0,
   351, ELEMENT, 0, 1.35,
   352, ELEMENT, 1.35, 0,
   353, ELEMENT, 0, 1.35,
   354, ELEMENT, 1.35, 0,
   355, ELEMENT, 0, 1.35,
   356, ELEMENT, 1.35, 0,
   357, ELEMENT, 0, 1.35,
   358, ELEMENT, 1.35, 0,
   359, ELEMENT, 0, 1.35,
   360, ELEMENT, 1.35, 0,
   361, ELEMENT, 0, 1.35,
   362, ELEMENT, 1.35, 0,
   363, ELEMENT, 0, 1.35,
   364, ELEMENT, 1.35, 0,
   365, ELEMENT, 0, 1.35,
   366, ELEMENT, 1.35, 0,
   367, ELEMENT, 0, 1.35,
   368, ELEMENT, 1.35, 0,
   369, ELEMENT, 0, 1.35,
   370, ELEMENT, 1.35, 0,
   371, ELEMENT, 0, 1.35,
   372, ELEMENT, 1.35, 0,
   373, ELEMENT, 0, 1.35,
   374, ELEMENT, 1.35, 0,
   375, ELEMENT, 0, 1.35,
   376, ELEMENT, 1.35, 0,
   377, ELEMENT, 0, 1.35,
   378, ELEMENT, 1.35, 0,
```

```
   379, ELEMENT, 0, 1.35,
   380, ELEMENT, 1.35, 0,
   381, ELEMENT, 0, 1.35,
   382, ELEMENT, 1.35, 0,
   383, ELEMENT, 0, 1.35,
   384, ELEMENT, 1.35, 0,
   385, ELEMENT, 0, 1.35,
   386, ELEMENT, 1.35, 0,
   387, ELEMENT, 0, 1.35,
   388, ELEMENT, 1.35, 0,
   389, ELEMENT, 0, 1.35,
   390, ELEMENT, 1.35, 0,
*USE-STLD, 자중
; *SELFWEIGHT, X, Y, Z, GROUP
*SELFWEIGHT, 0, 0, -1,
; End of data for load case [자중]
-------------------------
*USE-STLD, 슬래브 하중
*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, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
     1, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
     2, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
     2, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
     3, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
     3, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
     4, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
     4, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
     5, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
     5, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
     6, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
     6, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
     7, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
     7, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
     8, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
     8, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
     9, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
     9, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    10, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    10, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    11, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    11, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    12, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    12, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    13, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    13, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    14, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    14, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    15, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    15, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    16, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    16, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    17, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    17, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    18, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    18, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    19, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    19, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    20, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    20, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    21, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    21, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    22, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    22, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    23, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    23, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    24, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    24, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    25, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    25, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    26, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    26, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    27, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    27, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    28, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    28, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    29, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    29, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    30, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    30, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    31, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    31, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    32, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    32, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    33, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    33, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    34, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    34, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    35, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    35, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    36, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    36, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    37, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    37, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    38, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    38, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    39, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    39, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    40, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    40, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    41, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    41, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    42, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    42, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    43, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    43, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    44, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    44, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    45, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    45, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    46, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    46, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    47, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    47, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    48, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    48, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    49, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    49, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    50, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    50, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    51, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    51, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    52, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    52, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    53, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    53, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    54, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    54, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    55, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    55, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    56, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    56, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    57, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    57, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    58, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    58, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    59, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    59, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    60, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    60, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    61, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    61, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    62, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    62, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    63, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    63, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    64, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    64, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    65, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    65, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    66, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    66, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
```

```
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    67, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    67, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    68, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    68, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    69, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    69, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    70, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    70, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    71, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    71, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    72, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    72, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    73, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    73, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    74, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    74, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    75, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    75, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    76, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    76, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    77, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    77, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    78, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    78, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    79, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    79, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    80, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    80, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    81, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    81, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    82, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    82, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    83, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    83, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    84, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    84, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    85, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    85, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    86, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    86, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    87, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    87, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    88, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    88, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    89, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    89, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    90, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    90, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    91, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    91, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    92, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    92, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    93, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    93, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    94, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    94, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    95, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    95, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    96, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    96, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    97, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    97, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    98, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    98, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    99, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    99, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    100, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    100, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    197, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    197, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    198, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    198, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    199, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    199, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    200, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    200, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    201, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    201, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    202, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    202, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    203, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    203, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    204, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    204, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    205, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    205, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    206, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    206, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    207, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    207, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    208, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    208, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    209, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    209, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    210, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    210, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    211, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    211, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    212, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    212, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    213, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    213, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    214, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    214, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    215, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    215, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    216, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    216, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    217, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    217, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    218, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    218, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    219, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    219, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    220, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    220, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    221, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    221, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    222, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    222, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    223, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    223, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    224, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    224, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    225, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    225, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    226, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    226, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    227, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    227, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    228, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    228, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    229, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    229, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    230, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    230, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    231, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    231, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    232, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    232, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    233, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    233, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    234, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    234, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    235, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
```

```
   235, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
   236, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
   236, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
   237, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
   237, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
   238, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
   238, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
   239, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
   239, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
   240, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
   240, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
   241, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
   241, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
   242, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
   242, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
   243, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
   243, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
   244, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
   244, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
   245, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
   245, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
   246, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
   246, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
   247, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   247, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   248, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   248, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   249, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   249, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   250, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   250, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   251, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   251, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   252, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   252, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   253, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   253, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   254, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   254, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   255, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   255, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   256, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   256, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   257, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   257, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   258, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   258, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   259, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   259, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   260, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   260, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   261, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   261, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   262, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   262, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   263, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   263, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   264, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   264, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   265, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   265, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   266, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   266, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   267, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   267, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   268, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   268, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   269, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   269, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   270, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   270, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   271, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   271, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   272, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   272, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   273, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   273, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   274, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   274, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   275, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   275, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   276, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   276, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   277, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   277, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   278, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   278, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   279, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   279, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   280, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   280, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   281, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   281, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   282, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   282, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   283, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   283, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   284, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   284, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   285, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   285, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   286, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   286, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   287, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   287, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   288, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   288, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   289, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   289, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   290, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   290, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   291, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   291, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   292, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   292, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   293, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   293, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   294, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   294, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   295, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   295, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   296, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   296, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   391, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
   391, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
   392, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   392, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   394, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
   394, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
   395, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   395, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   397, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
   397, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
   398, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   398, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   400, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
   400, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
   401, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   401, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
; End of data for load case [슬래브 하중]
-------------------------
*USE-STLD, "포장, 방호벽 하중"
*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, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
1, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
1, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
2, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
2, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
2, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
3, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
3, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
3, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
4, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
4, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
4, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
5, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
5, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
5, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
6, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
6, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
6, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
7, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
7, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
7, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
8, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
8, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
8, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
9, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
9, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
9, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
10, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
10, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
10, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
11, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
11, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
11, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
12, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
12, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
12, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
13, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
13, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
13, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
14, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
14, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
14, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
15, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
15, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
15, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
16, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
16, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
16, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
17, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
17, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
17, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
18, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
18, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
18, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
19, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
19, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
19, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
20, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
20, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
20, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
21, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
21, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
21, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
22, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
22, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
22, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
23, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
23, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
23, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
24, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
24, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
24, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
25, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
25, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
25, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
26, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
26, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
26, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
27, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
27, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
27, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
28, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
28, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
28, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
29, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
29, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
29, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
30, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
30, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
30, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
31, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
31, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
31, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
32, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
32, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
32, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
33, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
33, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
33, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
34, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
34, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
34, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
35, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
35, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
35, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
36, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
36, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
36, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
37, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
37, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
37, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
38, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
38, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
38, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
39, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
39, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
39, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
40, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
40, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
40, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
41, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
41, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
41, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
42, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
42, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
42, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
43, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
43, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
43, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
44, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
44, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
44, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
45, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
45, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
45, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
46, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
46, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
46, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
47, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
47, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
47, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
48, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
48, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
48, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
49, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
49, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,

-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
49, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
50, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
50, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
50, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
51, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
51, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
51, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
52, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
52, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
52, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
53, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
53, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
53, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
54, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
54, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
54, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
55, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
55, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
55, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
56, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
56, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
56, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
57, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
57, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
57, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
58, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
58, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
58, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
59, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
59, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
59, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
60, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
60, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
60, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
61, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
61, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
61, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
62, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
62, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
62, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
63, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
63, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
63, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
64, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
64, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
64, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
65, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
65, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
65, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
66, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
66, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
66, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
67, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
67, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
67, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
68, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
68, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
68, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
69, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
69, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
69, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
70, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
70, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
70, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
71, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
71, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
71, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
72, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
72, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
72, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
73, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
73, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
73, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
74, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
74, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
74, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
75, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
75, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
75, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
76, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
76, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
76, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
77, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
77, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
77, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
78, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
78, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
78, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
79, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
79, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
79, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
80, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
80, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
80, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
81, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
81, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
81, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
82, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
82, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
82, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
83, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
83, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
83, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
84, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
84, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
84, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
85, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
85, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
85, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
86, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
86, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
86, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
87, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
87, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
87, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
88, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
88, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
88, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
89, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
89, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
89, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
90, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
90, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
90, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
91, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
91, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
91, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
92, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
92, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
92, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
93, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
93, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
93, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
94, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
94, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
94, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
95, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
95, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
95, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
96, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
96, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
96, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
97, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
97, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
97, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,

98, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −3.007, 1, −3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
98, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
98, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.663, 1, −10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
99, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −3.007, 1, −3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
99, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.663, 1, −10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
99, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
100, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
100, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.663, 1, −10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
100, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −3.007, 1, −3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
197, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
197, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
197, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
198, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
198, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
198, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
199, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
199, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
199, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
200, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
200, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
200, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
201, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
201, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
201, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
202, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
202, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
202, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
203, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
203, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
203, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
204, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
204, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
204, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
205, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
205, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
205, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
206, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
206, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
206, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
207, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
207, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
207, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
208, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
208, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
208, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
209, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
209, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
209, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
210, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
210, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
210, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
211, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
211, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
211, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
212, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
212, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
212, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
213, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
213, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
213, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
214, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
214, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
214, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
215, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
215, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
215, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
216, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
216, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
216, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
217, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
217, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
217, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
218, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
218, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
218, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
219, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
219, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
219, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
220, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
220, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
220, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
221, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
221, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
221, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
222, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
222, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
222, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
223, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
223, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
223, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
224, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
224, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
224, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
225, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
225, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
225, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
226, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
226, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
226, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
227, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
227, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
227, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
228, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
228, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
228, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
229, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
229, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
229, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
230, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
230, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
230, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
231, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
231, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
231, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
232, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
232, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
232, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
233, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
233, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
233, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
234, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
234, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
234, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
235, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
235, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
235, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
236, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
236, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
236, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
237, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
237, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
237, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
238, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
238, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
238, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
239, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
239, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
239, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
240, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
240, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
240, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
241, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
241, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
241, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
242, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
242, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,

0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
242, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
243, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
243, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
243, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
244, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
244, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
244, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
245, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
245, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
245, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
246, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
246, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
246, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
247, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
247, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
247, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
248, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
248, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
248, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
249, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
249, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
249, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
250, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
250, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
250, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
251, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
251, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
251, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
252, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
252, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
252, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
253, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
253, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
253, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
254, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
254, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
254, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
255, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
255, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
255, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
256, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
256, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
256, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
257, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
257, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
257, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
258, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
258, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
258, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
259, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
259, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
259, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
260, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
260, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
260, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
261, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
261, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
261, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
262, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
262, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
262, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
263, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
263, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
263, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
264, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
264, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
264, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
265, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
265, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
265, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
266, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
266, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
266, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
267, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
267, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
267, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
268, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
268, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
268, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
269, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
269, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
269, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
270, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
270, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
270, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
271, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
271, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
271, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
272, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
272, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
272, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
273, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
273, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
273, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
274, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
274, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
274, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
275, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
275, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
275, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
276, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
276, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
276, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
277, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
277, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
277, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
278, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
278, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
278, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
279, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
279, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
279, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
280, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
280, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
280, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
281, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
281, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
281, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
282, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
282, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
282, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
283, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
283, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
283, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
284, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
284, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
284, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
285, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
285, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
285, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
286, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
286, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
286, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
287, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
287, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
287, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
288, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
288, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
288, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
289, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
289, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
289, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
290, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
290, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
290, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,

```
   291, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   291, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   291, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   292, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   292, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   292, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   293, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   293, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   293, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   294, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   294, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   294, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   295, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   295, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   295, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   296, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   296, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   296, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   391, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
   391, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   391, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
   392, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   392, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   392, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   394, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   394, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
   394, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
   395, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   395, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   395, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   397, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
   397, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
   397, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   398, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   398, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   398, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   400, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   400, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
   400, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
   401, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   401, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   401, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
; End of data for load case [포장, 방호벽 하중]
--------------------------
*USE-STLD, 단위모멘트
*CONLOAD    ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   2, 0, 0, 0, 0, 1, 0,
 104, 0, 0, 0, 0, 1, 0,
 155, 0, 0, 0, 0, -1, 0,
 205, 0, 0, 0, 0, -1, 0,
; 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, -0.395, 0.157895, YES, 0,      2, -0.395,
0.157895, NO, 0
         3, -0.395, 0.157895, NO, 0,      4, -0.395,
0.157895, NO, 0
         5, -0.395, 0.157895, NO, 0,      6, -0.395,
0.157895, NO, 0
         7, -0.395, 0.157895, NO, 0,      8, -0.395,
0.157895, NO, 0
         9, -0.395, 0.157895, NO, 0,     10, -0.395,
0.157895, NO, 0
       391, -0.395, 0.157895, NO, 0,     11, -0.395,
0.157895, NO, 0
        12, -0.395, 0.157895, NO, 0,     13, -0.395,
0.157895, NO, 0
        14, -0.395, 0.157895, NO, 0,     15, -0.395,
0.157895, NO, 0
        16, -0.395, 0.157895, NO, 0,     17, -0.395,
0.157895, NO, 0
        18, -0.395, 0.157895, NO, 0,     19, -0.395,
0.157895, NO, 0
        20, -0.395, 0.157895, NO, 0,     21, -0.395,
0.157895, NO, 0
        22, -0.395, 0.157895, NO, 0,     23, -0.395,
0.157895, NO, 0
        24, -0.395, 0.157895, NO, 0,     25, -0.395,
0.157895, NO, 0
        26, -0.395, 0.157895, NO, 0,     27, -0.395,
0.157895, NO, 0
        28, -0.395, 0.157895, NO, 0,     29, -0.395,
0.157895, NO, 0
        30, -0.395, 0.157895, NO, 0,     31, -0.395,
0.157895, NO, 0
        32, -0.395, 0.157895, NO, 0,     33, -0.395,
0.157895, NO, 0
        34, -0.395, 0.157895, NO, 0,     35, -0.395,
0.157895, NO, 0
        36, -0.395, 0.157895, NO, 0,     37, -0.395,
0.157895, NO, 0
        38, -0.395, 0.157895, NO, 0,     39, -0.395,
0.157895, NO, 0
       394, -0.395, 0.157895, NO, 0,     40, -0.395,
0.157895, NO, 0
        41, -0.395, 0.157895, NO, 0,     42, -0.395,
0.157895, NO, 0
        43, -0.395, 0.157895, NO, 0,     44, -0.395,
0.157895, NO, 0
        45, -0.395, 0.157895, NO, 0,     46, -0.395,
0.157895, NO, 0
        47, -0.395, 0.157895, NO, 0,     48, -0.395,
0.157895, NO, 0
        49, -0.395, 0.157895, NO, 0,     50, -0.395,
0.157895, NO, 0
       246, -0.395, 0.157895, NO, 0,    245, -0.395,
0.157895, NO, 0
       244, -0.395, 0.157895, NO, 0,    243, -0.395,
0.157895, NO, 0
       242, -0.395, 0.157895, NO, 0,    241, -0.395,
0.157895, NO, 0
       240, -0.395, 0.157895, NO, 0,    239, -0.395,
0.157895, NO, 0
       238, -0.395, 0.157895, NO, 0,    237, -0.395,
0.157895, NO, 0
       236, -0.395, 0.157895, NO, 0,    397, -0.395,
0.157895, NO, 0
       235, -0.395, 0.157895, NO, 0,    234, -0.395,
0.157895, NO, 0
       233, -0.395, 0.157895, NO, 0,    232, -0.395,
0.157895, NO, 0
       231, -0.395, 0.157895, NO, 0,    230, -0.395,
0.157895, NO, 0
       229, -0.395, 0.157895, NO, 0,    228, -0.395,
0.157895, NO, 0
       227, -0.395, 0.157895, NO, 0,    226, -0.395,
0.157895, NO, 0
       225, -0.395, 0.157895, NO, 0,    224, -0.395,
0.157895, NO, 0
       223, -0.395, 0.157895, NO, 0,    222, -0.395,
0.157895, NO, 0
       221, -0.395, 0.157895, NO, 0,    220, -0.395,
0.157895, NO, 0
       219, -0.395, 0.157895, NO, 0,    218, -0.395,
0.157895, NO, 0
       217, -0.395, 0.157895, NO, 0,    216, -0.395,
0.157895, NO, 0
       215, -0.395, 0.157895, NO, 0,    214, -0.395,
0.157895, NO, 0
       213, -0.395, 0.157895, NO, 0,    212, -0.395,
0.157895, NO, 0
       211, -0.395, 0.157895, NO, 0,    210, -0.395,
0.157895, NO, 0
       209, -0.395, 0.157895, NO, 0,    208, -0.395,
0.157895, NO, 0
       207, -0.395, 0.157895, NO, 0,    400, -0.395,
0.157895, NO, 0
       206, -0.395, 0.157895, NO, 0,    205, -0.395,
0.157895, NO, 0
       204, -0.395, 0.157895, NO, 0,    203, -0.395,
0.157895, NO, 0
       202, -0.395, 0.157895, NO, 0,    201, -0.395,
0.157895, NO, 0
       200, -0.395, 0.157895, NO, 0,    199, -0.395,
0.157895, NO, 0
       198, -0.395, 0.157895, NO, 0,    197, -0.395,
0.157895, NO, 0
   NAME=L2, LANE, , 0, 0, BOTH, 3, 1.8, NO
       101, -0.1385, 0.157895, YES, 0,    102,
-0.1385, 0.157895, NO, 0
       103, -0.1385, 0.157895, NO, 0,    104,
-0.1385, 0.157895, NO, 0
       105, -0.1385, 0.157895, NO, 0,    106,
-0.1385, 0.157895, NO, 0
       107, -0.1385, 0.157895, NO, 0,    108,
-0.1385, 0.157895, NO, 0
       109, -0.1385, 0.157895, NO, 0,    110,
-0.1385, 0.157895, NO, 0
       393, -0.1385, 0.157895, NO, 0,    111,
-0.1385, 0.157895, NO, 0
       112, -0.1385, 0.157895, NO, 0,    113,
-0.1385, 0.157895, NO, 0
       114, -0.1385, 0.157895, NO, 0,    115,
-0.1385, 0.157895, NO, 0
       116, -0.1385, 0.157895, NO, 0,    117,
-0.1385, 0.157895, NO, 0
       118, -0.1385, 0.157895, NO, 0,    119,
-0.1385, 0.157895, NO, 0
       120, -0.1385, 0.157895, NO, 0,    121,
-0.1385, 0.157895, NO, 0
       122, -0.1385, 0.157895, NO, 0,    123,
-0.1385, 0.157895, NO, 0
       124, -0.1385, 0.157895, NO, 0,    125,
-0.1385, 0.157895, NO, 0
       126, -0.1385, 0.157895, NO, 0,    127,
-0.1385, 0.157895, NO, 0
       128, -0.1385, 0.157895, NO, 0,    129,
-0.1385, 0.157895, NO, 0
       130, -0.1385, 0.157895, NO, 0,    131,
-0.1385, 0.157895, NO, 0
       132, -0.1385, 0.157895, NO, 0,    133,
-0.1385, 0.157895, NO, 0
       134, -0.1385, 0.157895, NO, 0,    135,
-0.1385, 0.157895, NO, 0
       136, -0.1385, 0.157895, NO, 0,    137,
-0.1385, 0.157895, NO, 0
       138, -0.1385, 0.157895, NO, 0,    139,
-0.1385, 0.157895, NO, 0
       396, -0.1385, 0.157895, NO, 0,    140,
-0.1385, 0.157895, NO, 0
       141, -0.1385, 0.157895, NO, 0,    142,
-0.1385, 0.157895, NO, 0
       143, -0.1385, 0.157895, NO, 0,    144,
-0.1385, 0.157895, NO, 0
       145, -0.1385, 0.157895, NO, 0,    146,
-0.1385, 0.157895, NO, 0
       147, -0.1385, 0.157895, NO, 0,    148,
-0.1385, 0.157895, NO, 0
       149, -0.1385, 0.157895, NO, 0,    150,
-0.1385, 0.157895, NO, 0
       346, -0.1385, 0.157895, NO, 0,    345,
-0.1385, 0.157895, NO, 0
       344, -0.1385, 0.157895, NO, 0,    343,
-0.1385, 0.157895, NO, 0
       342, -0.1385, 0.157895, NO, 0,    341,
-0.1385, 0.157895, NO, 0
       340, -0.1385, 0.157895, NO, 0,    339,
-0.1385, 0.157895, NO, 0
       338, -0.1385, 0.157895, NO, 0,    337,
-0.1385, 0.157895, NO, 0
       336, -0.1385, 0.157895, NO, 0,    399,
-0.1385, 0.157895, NO, 0
       335, -0.1385, 0.157895, NO, 0,    334,
-0.1385, 0.157895, NO, 0
       333, -0.1385, 0.157895, NO, 0,    332,
-0.1385, 0.157895, NO, 0
       331, -0.1385, 0.157895, NO, 0,    330,
-0.1385, 0.157895, NO, 0
       329, -0.1385, 0.157895, NO, 0,    328,
-0.1385, 0.157895, NO, 0
       327, -0.1385, 0.157895, NO, 0,    326,
-0.1385, 0.157895, NO, 0
       325, -0.1385, 0.157895, NO, 0,    324,
-0.1385, 0.157895, NO, 0
       323, -0.1385, 0.157895, NO, 0,    322,
-0.1385, 0.157895, NO, 0
       321, -0.1385, 0.157895, NO, 0,    320,
-0.1385, 0.157895, NO, 0
       319, -0.1385, 0.157895, NO, 0,    318,
-0.1385, 0.157895, NO, 0
```

```
        317,  -0.1385,  0.157895,  NO,  0,      316,
-0.1385, 0.157895, NO, 0
        315,  -0.1385,  0.157895,  NO,  0,      314,
-0.1385, 0.157895, NO, 0
        313,  -0.1385,  0.157895,  NO,  0,      312,
-0.1385, 0.157895, NO, 0
        311,  -0.1385,  0.157895,  NO,  0,      310,
-0.1385, 0.157895, NO, 0
        309,  -0.1385,  0.157895,  NO,  0,      308,
-0.1385, 0.157895, NO, 0
        307,  -0.1385,  0.157895,  NO,  0,      402,
-0.1385, 0.157895, NO, 0
        306,  -0.1385,  0.157895,  NO,  0,      305,
-0.1385, 0.157895, NO, 0
        304,  -0.1385,  0.157895,  NO,  0,      303,
-0.1385, 0.157895, NO, 0
        302,  -0.1385,  0.157895,  NO,  0,      301,
-0.1385, 0.157895, NO, 0
        300,  -0.1385,  0.157895,  NO,  0,      299,
-0.1385, 0.157895, NO, 0
        298,  -0.1385,  0.157895,  NO,  0,      297,
-0.1385, 0.157895, NO, 0
   NAME=L3, LANE, , 0, 0, BOTH, 3, 1.8, NO
        51, -1.695, 0.157895, YES, 0,     52, -1.695,
0.157895, NO, 0
        53, -1.695, 0.157895, NO, 0,     54, -1.695,
0.157895, NO, 0
        55, -1.695, 0.157895, NO, 0,     56, -1.695,
0.157895, NO, 0
        57, -1.695, 0.157895, NO, 0,     58, -1.695,
0.157895, NO, 0
        59, -1.695, 0.157895, NO, 0,     60, -1.695,
0.157895, NO, 0
       392, -1.695, 0.157895, NO, 0,     61, -1.695,
0.157895, NO, 0
        62, -1.695, 0.157895, NO, 0,     63, -1.695,
0.157895, NO, 0
        64, -1.695, 0.157895, NO, 0,     65, -1.695,
0.157895, NO, 0
        66, -1.695, 0.157895, NO, 0,     67, -1.695,
0.157895, NO, 0
        68, -1.695, 0.157895, NO, 0,     69, -1.695,
0.157895, NO, 0
        70, -1.695, 0.157895, NO, 0,     71, -1.695,
0.157895, NO, 0
        72, -1.695, 0.157895, NO, 0,     73, -1.695,
0.157895, NO, 0
        74, -1.695, 0.157895, NO, 0,     75, -1.695,
0.157895, NO, 0
        76, -1.695, 0.157895, NO, 0,     77, -1.695,
0.157895, NO, 0
        78, -1.695, 0.157895, NO, 0,     79, -1.695,
0.157895, NO, 0
        80, -1.695, 0.157895, NO, 0,     81, -1.695,
0.157895, NO, 0
        82, -1.695, 0.157895, NO, 0,     83, -1.695,
0.157895, NO, 0
        84, -1.695, 0.157895, NO, 0,     85, -1.695,
0.157895, NO, 0
        86, -1.695, 0.157895, NO, 0,     87, -1.695,
0.157895, NO, 0
        88, -1.695, 0.157895, NO, 0,     89, -1.695,
0.157895, NO, 0
       395, -1.695, 0.157895, NO, 0,     90, -1.695,
0.157895, NO, 0
        91, -1.695, 0.157895, NO, 0,     92, -1.695,
0.157895, NO, 0
        93, -1.695, 0.157895, NO, 0,     94, -1.695,
0.157895, NO, 0
        95, -1.695, 0.157895, NO, 0,     96, -1.695,
0.157895, NO, 0
        97, -1.695, 0.157895, NO, 0,     98, -1.695,
0.157895, NO, 0
        99, -1.695, 0.157895, NO, 0,    100, -1.695,
0.157895, NO, 0
       296, -1.695, 0.157895, NO, 0,    295, -1.695,
0.157895, NO, 0
       294, -1.695, 0.157895, NO, 0,    293, -1.695,
0.157895, NO, 0
       292, -1.695, 0.157895, NO, 0,    291, -1.695,
0.157895, NO, 0
       290, -1.695, 0.157895, NO, 0,    289, -1.695,
0.157895, NO, 0
       288, -1.695, 0.157895, NO, 0,    287, -1.695,
0.157895, NO, 0
       286, -1.695, 0.157895, NO, 0,    398, -1.695,
0.157895, NO, 0
       285, -1.695, 0.157895, NO, 0,    284, -1.695,
0.157895, NO, 0
       283, -1.695, 0.157895, NO, 0,    282, -1.695,
0.157895, NO, 0
       281, -1.695, 0.157895, NO, 0,    280, -1.695,
0.157895, NO, 0
       279, -1.695, 0.157895, NO, 0,    278, -1.695,
0.157895, NO, 0
       277, -1.695, 0.157895, NO, 0,    276, -1.695,
0.157895, NO, 0
       275, -1.695, 0.157895, NO, 0,    274, -1.695,
0.157895, NO, 0
       273, -1.695, 0.157895, NO, 0,    272, -1.695,
0.157895, NO, 0
       271, -1.695, 0.157895, NO, 0,    270, -1.695,
0.157895, NO, 0
       269, -1.695, 0.157895, NO, 0,    268, -1.695,
0.157895, NO, 0
       267, -1.695, 0.157895, NO, 0,    266, -1.695,
0.157895, NO, 0
       265, -1.695, 0.157895, NO, 0,    264, -1.695,
0.157895, NO, 0
       263, -1.695, 0.157895, NO, 0,    262, -1.695,
0.157895, NO, 0
       261, -1.695, 0.157895, NO, 0,    260, -1.695,
0.157895, NO, 0
       259, -1.695, 0.157895, NO, 0,    258, -1.695,
0.157895, NO, 0
       257, -1.695, 0.157895, NO, 0,    401, -1.695,
0.157895, NO, 0
       256, -1.695, 0.157895, NO, 0,    255, -1.695,
0.157895, NO, 0
       254, -1.695, 0.157895, NO, 0,    253, -1.695,
0.157895, NO, 0
       252, -1.695, 0.157895, NO, 0,    251, -1.695,
0.157895, NO, 0
       250, -1.695, 0.157895, NO, 0,    249, -1.695,
0.157895, NO, 0
       248, -1.695, 0.157895, NO, 0,    247, -1.695,
0.157895, 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 & 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,
                    ; standard (SUBWAY TRAINS)
; NAME=NAME, 1, iTYPE, VARIABLE, nDYNAFAC,
dDYNAFAC, dEMPTYCAR
;                    bFATI, nLOADFAC, 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,
                    ; user (Type 2)
;  NAME=NAME,  2,  iTYPE,  Variable,  nDYNAFAC,
dDYNAFAC, dEMPTYCAR
;                    bFATI, nLOADFAC, 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, 3, L1, L2, L3
         VL, DL-24, 1, 1, 3, L1, L2, L3
   NAME=활하중(DB),  NO,  1,  1,  0.9,  0.75,  0.75,  0.75,
INDEPENDENT, , 0, 2
         1, 1, 1, 1, 1, 0.5, 0.25
         VL, DB-24, 1, 1, 3, L1, L2, L3
   NAME=활하중(DL),  NO,  1,  1,  0.9,  0.75,  0.75,  0.75,
INDEPENDENT, , 0, 3
         1, 1, 1, 1, 1, 0.5, 0.25
         VL, DL-24, 1, 1, 3, L1, L2, L3
*SM-GROUP    ; Settlement Group
; GRNAME, DISPLACEMENT, NODE_LIST
   A1, -0.01, 2 104
   P1, -0.01, 27 129
   P2, -0.01, 51 153
   P3, -0.01, 180 230
   A2, -0.01, 155 205
*SMLDCASE    ; Settlement Load Cases
; NAME=NAME, iSMIN, iSMAX, SCALE, DESC ; line 1
;       GRNAME1, GRNAME2, ...          ; from line 2
   NAME=지점침하, 1, 4, 1,
         A1, P1, P2, P3, 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, 슬래브 하중, 1
   NAME=합성후, GEN, ACTIVE, 0, 0, , 0, 0
         ST, "포장, 방호벽 하중", 1
   NAME=고정하중, GEN, ACTIVE, 0, 0, , 0, 0
         CB, 합성전, 1, CB, 합성후, 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, 192, 128, 0, 212, 160, 255, 0, 128, 255
 ST, 슬래브 하중, 146, 0, 255, 0, 128, 57, 192, 0, 128
 ST, "포장, 방호벽 하중", 255, 255, 255, 210, 210, 210,
192, 128, 0
 ST, 단위모멘트, 0, 128, 192, 0, 157, 192, 163, 255, 160
 MV, 활하중, 255, 255, 87, 255, 87, 87, 163, 255, 160
 CB, 합성전, 210, 210, 210, 160, 192, 255, 255, 87, 87
 CB, 합성후, 192, 192, 192, 255, 0, 128, 0, 157, 192
 SM, 지점침하, 255, 192, 160, 0, 128, 255, 255, 192, 160
 MV, 활하중(DB), 148, 87, 255, 85, 0, 192, 255, 0, 128
 MV, 활하중(DL), 160, 255, 255, 255, 255, 87, 192, 0,
128
 CB, 고정하중, 0, 128, 128, 255, 255, 255, 0, 128, 128
*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, 0,0, 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, 0,0, 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=5, YES
 0, 0, 0, 0
   SECT=6, YES
 0, 0, 0, 0
   SECT=10, YES
 0, 0, 0, 0
   SECT=11, YES
 0, 0, 0, 0
   SECT=12, YES
 0, 0, 0, 0
   SECT=15, YES
 0, 0, 0, 0
   SECT=19, YES
 0, 0, 0, 0
   SECT=20, YES
 0, 0, 0, 0
   SECT=26, YES
 0, 0, 0, 0
   SECT=27, YES
 0, 0, 0, 0
   SECT=31, YES
 0, 0, 0, 0
   SECT=32, YES
 0, 0, 0, 0
   SECT=33, YES
 0, 0, 0, 0
   SECT=36, YES
 0, 0, 0, 0
   SECT=40, YES
 0, 0, 0, 0
   SECT=41, 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=5, YES
 0, 0
   SECT=6, YES
 0, 0
   SECT=10, YES
 0, 0
   SECT=11, YES
 0, 0
   SECT=12, YES
 0, 0
   SECT=15, YES
 0, 0
   SECT=19, YES
 0, 0
   SECT=20, YES
 0, 0
   SECT=26, YES
 0, 0
   SECT=27, YES
 0, 0
   SECT=31, YES
 0, 0
   SECT=32, YES
 0, 0
   SECT=33, YES
 0, 0
   SECT=36, YES
 0, 0
   SECT=40, YES
 0, 0
   SECT=41, YES
 0, 0
*ENDDATA
```

■ 송읍교 부산방향(S1～S3) 상부 input

```
;-----------------------------------------------------------------------------
;  MIDAS/Civil Text(MCT) File.
;  Date : 2015/12/30
;-----------------------------------------------------------------------------
*VERSION
   8.4.5
*UNIT     : Unit System
; FORCE, LENGTH, HEAT, TEMPER
   KN    , M, KCAL, C
*REBAR-MATL-CODE     ; Rebar Material Code
; CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
 KS01-Civil(RC), SD300, KS01-Civil(RC), SD300
*NODE     ; Nodes
; iNO, X, Y, Z
      1, 0, 0, 0
      2, 5, 0, 0
      3, 8.125, 0, 0
      4, 8.225, 0, 0
      5, 10, 0, 0
      6, 15, 0, 0
      7, 18.025, 0, 0
      8, 18.125, 0, 0
      9, 20, 0, 0
     10, 24.275, 0, 0
     11, 24.375, 0, 0
     12, 25, 0, 0
     13, 30, 0, 0
     14, 34.275, 0, 0
     15, 34.385, 0, 0
     16, 35.01, 0, 0
     17, 37.51, 0, 0
     18, 39.285, 0, 0
     19, 39.395, 0, 0
     20, 40.02, 0, 0
     21, 45.02, 0, 0
     22, 45.545, 0, 0
     23, 45.655, 0, 0
     24, 46.28, 0, 0
     25, 50.03, 0, 0
     26, 51.805, 0, 0
     27, 51.915, 0, 0
     28, 55.04, 0, 0
     29, 60.04, 0, 0
     30, 64.375, 0, 0
     31, 65.04, 0, 0
     32, 70.04, 0, 0
     33, 73.065, 0, 0
     34, 73.175, 0, 0
     35, 75.05, 0, 0
     36, 79.425, 0, 0
     37, 79.525, 0, 0
     38, 80.05, 0, 0
     39, 84.55, 0, 0
     40, 85, 0, 0
     41, 0, -7.8, 0
     42, 5, -7.8, 0
     43, 8.125, -7.8, 0
     44, 8.225, -7.8, 0
     45, 10, -7.8, 0
     46, 15, -7.8, 0
     47, 18.025, -7.8, 0
     48, 18.125, -7.8, 0
     49, 20, -7.8, 0
     50, 24.275, -7.8, 0
     51, 24.375, -7.8, 0
     52, 25, -7.8, 0
     53, 30, -7.8, 0
     54, 34.275, -7.8, 0
     55, 34.385, -7.8, 0
     56, 35.01, -7.8, 0
     57, 37.51, -7.8, 0
     58, 39.285, -7.8, 0
     59, 39.395, -7.8, 0
     60, 40.02, -7.8, 0
     61, 45.02, -7.8, 0
     62, 45.545, -7.8, 0
     63, 45.655, -7.8, 0
     64, 46.28, -7.8, 0
     65, 50.03, -7.8, 0
     66, 51.805, -7.8, 0
     67, 51.915, -7.8, 0
     68, 55.04, -7.8, 0
     69, 60.04, -7.8, 0
     70, 64.375, -7.8, 0
     71, 65.04, -7.8, 0
     72, 70.04, -7.8, 0
     73, 73.065, -7.8, 0
     74, 73.175, -7.8, 0
     75, 75.05, -7.8, 0
     76, 79.425, -7.8, 0
     77, 79.525, -7.8, 0
     78, 80.05, -7.8, 0
     79, 84.55, -7.8, 0
     80, 85, -7.8, 0
     81, 0, -3.9, 0
     82, 5, -3.9, 0
     83, 8.125, -3.9, 0
     84, 8.225, -3.9, 0
     85, 10, -3.9, 0
     86, 15, -3.9, 0
     87, 18.025, -3.9, 0
     88, 18.125, -3.9, 0
     89, 20, -3.9, 0
     90, 24.275, -3.9, 0
     91, 24.375, -3.9, 0
     92, 25, -3.9, 0
     93, 30, -3.9, 0
     94, 34.275, -3.9, 0
     95, 34.385, -3.9, 0
     96, 35.01, -3.9, 0
     97, 37.51, -3.9, 0
     98, 39.285, -3.9, 0
     99, 39.395, -3.9, 0
    100, 40.02, -3.9, 0
    101, 45.02, -3.9, 0
    102, 45.545, -3.9, 0
    103, 45.655, -3.9, 0
    104, 46.28, -3.9, 0
    105, 50.03, -3.9, 0
    106, 51.805, -3.9, 0
    107, 51.915, -3.9, 0
    108, 55.04, -3.9, 0
    109, 60.04, -3.9, 0
    110, 64.375, -3.9, 0
    111, 65.04, -3.9, 0
    112, 70.04, -3.9, 0
    113, 73.065, -3.9, 0
    114, 73.175, -3.9, 0
    115, 75.05, -3.9, 0
    116, 79.425, -3.9, 0
    117, 79.525, -3.9, 0
    118, 80.05, -3.9, 0
    119, 84.55, -3.9, 0
    120, 85, -3.9, 0
    121, -5, 0, 0
    122, -8.125, 0, 0
    123, -8.225, 0, 0
    124, -10, 0, 0
    125, -15, 0, 0
    126, -18.025, 0, 0
    127, -18.125, 0, 0
    128, -20, 0, 0
    129, -24.275, 0, 0
    130, -24.375, 0, 0
    131, -25, 0, 0
    132, -30, 0, 0
    133, -34.275, 0, 0
    134, -34.385, 0, 0
    135, -35.01, 0, 0
    136, -37.51, 0, 0
    137, -39.285, 0, 0
    138, -39.395, 0, 0
    139, -40.02, 0, 0
    140, -45.02, 0, 0
    141, -45.545, 0, 0
    142, -45.655, 0, 0
    143, -46.28, 0, 0
    144, -50.03, 0, 0
    145, -51.805, 0, 0
    146, -51.915, 0, 0
    147, -55.04, 0, 0
    148, -60.04, 0, 0
    149, -64.375, 0, 0
    150, -65.04, 0, 0
    151, -70.04, 0, 0
    152, -73.065, 0, 0
    153, -73.175, 0, 0
    154, -75.05, 0, 0
    155, -79.425, 0, 0
    156, -79.525, 0, 0
    157, -80.05, 0, 0
    158, -84.55, 0, 0
    159, -85, 0, 0
    160, -5, -7.8, 0
    161, -8.125, -7.8, 0
    162, -8.225, -7.8, 0
    163, -10, -7.8, 0
    164, -15, -7.8, 0
    165, -18.025, -7.8, 0
    166, -18.125, -7.8, 0
    167, -20, -7.8, 0
    168, -24.275, -7.8, 0
    169, -24.375, -7.8, 0
    170, -25, -7.8, 0
    171, -30, -7.8, 0
    172, -34.275, -7.8, 0
    173, -34.385, -7.8, 0
    174, -35.01, -7.8, 0
    175, -37.51, -7.8, 0
    176, -39.285, -7.8, 0
    177, -39.395, -7.8, 0
    178, -40.02, -7.8, 0
    179, -45.02, -7.8, 0
    180, -45.545, -7.8, 0
    181, -45.655, -7.8, 0
    182, -46.28, -7.8, 0
    183, -50.03, -7.8, 0
    184, -51.805, -7.8, 0
    185, -51.915, -7.8, 0
    186, -55.04, -7.8, 0
    187, -60.04, -7.8, 0
    188, -64.375, -7.8, 0
    189, -65.04, -7.8, 0
    190, -70.04, -7.8, 0
    191, -73.065, -7.8, 0
    192, -73.175, -7.8, 0
    193, -75.05, -7.8, 0
    194, -79.425, -7.8, 0
    195, -79.525, -7.8, 0
    196, -80.05, -7.8, 0
    197, -84.55, -7.8, 0
    198, -85, -7.8, 0
    199, -5, -3.9, 0
    200, -8.125, -3.9, 0
    201, -8.225, -3.9, 0
    202, -10, -3.9, 0
    203, -15, -3.9, 0
    204, -18.025, -3.9, 0
    205, -18.125, -3.9, 0
    206, -20, -3.9, 0
    207, -24.275, -3.9, 0
    208, -24.375, -3.9, 0
    209, -25, -3.9, 0
    210, -30, -3.9, 0
    211, -34.275, -3.9, 0
    212, -34.385, -3.9, 0
    213, -35.01, -3.9, 0
    214, -37.51, -3.9, 0
    215, -39.285, -3.9, 0
    216, -39.395, -3.9, 0
    217, -40.02, -3.9, 0
    218, -45.02, -3.9, 0
    219, -45.545, -3.9, 0
    220, -45.655, -3.9, 0
    221, -46.28, -3.9, 0
    222, -50.03, -3.9, 0
    223, -51.805, -3.9, 0
    224, -51.915, -3.9, 0
    225, -55.04, -3.9, 0
    226, -60.04, -3.9, 0
    227, -64.375, -3.9, 0
    228, -65.04, -3.9, 0
    229, -70.04, -3.9, 0
    230, -73.065, -3.9, 0
    231, -73.175, -3.9, 0
    232, -75.05, -3.9, 0
    233, -79.425, -3.9, 0
    234, -79.525, -3.9, 0
    235, -80.05, -3.9, 0
    236, -84.55, -3.9, 0
    237, -85, -3.9, 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
; iEL, TYPE, iMAT, iPRO, iN1, iN2, REF, RPX, RPY, RPZ, iSUB, EXVAL  ; Frame(Ref. Point)
      1, BEAM  ,    1,    3,    1,    2,    0,    0
      2, BEAM  ,    1,    3,    2,    3,    0,    0
      3, BEAM  ,    1,   18,    3,    4,    0,    0
      4, BEAM  ,    1,   17,    4,    5,    0,    0
      5, BEAM  ,    1,    9,    5,    6,    0,    0
      6, BEAM  ,    1,    9,    6,    7,    0,    0
      7, BEAM  ,    1,   16,    7,    8,    0,    0
      8, BEAM  ,    1,   11,    8,    9,    0,    0
      9, BEAM  ,    1,   12,    9,   10,    0,    0
     10, BEAM  ,    1,   15,   10,   11,    0,    0
     11, BEAM  ,    1,   14,   11,   12,    0,    0
     12, BEAM  ,    1,   14,   12,   13,    0,    0
     13, BEAM  ,    1,   14,   13,   14,    0,    0
     14, BEAM  ,    1,   13,   14,   15,    0,    0
     15, BEAM  ,    1,   12,   15,   16,    0,    0
     16, BEAM  ,    1,   12,   16,   17,    0,    0
     17, BEAM  ,    1,   11,   17,   18,    0,    0
     18, BEAM  ,    1,   10,   18,   19,    0,    0
     19, BEAM  ,    1,    9,   19,   20,    0,    0
     20, BEAM  ,    1,    9,   20,   21,    0,    0
     21, BEAM  ,    1,    9,   21,   22,    0,    0
     22, BEAM  ,    1,    8,   22,   23,    0,    0
     23, BEAM  ,    1,    7,   23,   24,    0,    0
     24, BEAM  ,    1,    3,   24,   25,    0,    0
```

```
25, BEAM  ,  1,  3,  25,  26,  0,  0
26, BEAM  ,  1,  6,  26,  27,  0,  0
27, BEAM  ,  1,  5,  27,  28,  0,  0
28, BEAM  ,  1,  5,  28,  29,  0,  0
29, BEAM  ,  1,  5,  29,  30,  0,  0
30, BEAM  ,  1,  5,  30,  31,  0,  0
31, BEAM  ,  1,  5,  31,  32,  0,  0
32, BEAM  ,  1,  5,  32,  33,  0,  0
33, BEAM  ,  1,  4,  33,  34,  0,  0
34, BEAM  ,  1,  3,  34,  35,  0,  0
35, BEAM  ,  1,  3,  35,  36,  0,  0
36, BEAM  ,  1,  2,  36,  37,  0,  0
37, BEAM  ,  1,  1,  37,  38,  0,  0
38, BEAM  ,  1,  1,  38,  39,  0,  0
39, BEAM  ,  1,  1,  39,  40,  0,  0
40, BEAM  ,  1,  24,  41,  42,  0,  0
41, BEAM  ,  1,  24,  42,  43,  0,  0
42, BEAM  ,  1,  39,  43,  44,  0,  0
43, BEAM  ,  1,  38,  44,  45,  0,  0
44, BEAM  ,  1,  30,  45,  46,  0,  0
45, BEAM  ,  1,  30,  46,  47,  0,  0
46, BEAM  ,  1,  37,  47,  48,  0,  0
47, BEAM  ,  1,  32,  48,  49,  0,  0
48, BEAM  ,  1,  33,  49,  50,  0,  0
49, BEAM  ,  1,  36,  50,  51,  0,  0
50, BEAM  ,  1,  35,  51,  52,  0,  0
51, BEAM  ,  1,  35,  52,  53,  0,  0
52, BEAM  ,  1,  35,  53,  54,  0,  0
53, BEAM  ,  1,  34,  54,  55,  0,  0
54, BEAM  ,  1,  33,  55,  56,  0,  0
55, BEAM  ,  1,  33,  56,  57,  0,  0
56, BEAM  ,  1,  32,  57,  58,  0,  0
57, BEAM  ,  1,  31,  58,  59,  0,  0
58, BEAM  ,  1,  30,  59,  60,  0,  0
59, BEAM  ,  1,  30,  60,  61,  0,  0
60, BEAM  ,  1,  30,  61,  62,  0,  0
61, BEAM  ,  1,  29,  62,  63,  0,  0
62, BEAM  ,  1,  28,  63,  64,  0,  0
63, BEAM  ,  1,  24,  64,  65,  0,  0
64, BEAM  ,  1,  24,  65,  66,  0,  0
65, BEAM  ,  1,  27,  66,  67,  0,  0
66, BEAM  ,  1,  26,  67,  68,  0,  0
67, BEAM  ,  1,  26,  68,  69,  0,  0
68, BEAM  ,  1,  26,  69,  70,  0,  0
69, BEAM  ,  1,  26,  70,  71,  0,  0
70, BEAM  ,  1,  26,  71,  72,  0,  0
71, BEAM  ,  1,  26,  72,  73,  0,  0
72, BEAM  ,  1,  25,  73,  74,  0,  0
73, BEAM  ,  1,  24,  74,  75,  0,  0
74, BEAM  ,  1,  24,  75,  76,  0,  0
75, BEAM  ,  1,  23,  76,  77,  0,  0
76, BEAM  ,  1,  22,  77,  78,  0,  0
77, BEAM  ,  1,  22,  78,  79,  0,  0
78, BEAM  ,  1,  22,  79,  80,  0,  0
79, BEAM  ,  2,  19,  81,  82,  0,  0
80, BEAM  ,  2,  19,  82,  83,  0,  0
81, BEAM  ,  2,  19,  83,  84,  0,  0
82, BEAM  ,  2,  19,  84,  85,  0,  0
83, BEAM  ,  2,  19,  85,  86,  0,  0
84, BEAM  ,  2,  19,  86,  87,  0,  0
85, BEAM  ,  2,  19,  87,  88,  0,  0
86, BEAM  ,  2,  19,  88,  89,  0,  0
87, BEAM  ,  2,  19,  89,  90,  0,  0
88, BEAM  ,  2,  19,  90,  91,  0,  0
89, BEAM  ,  2,  19,  91,  92,  0,  0
90, BEAM  ,  2,  19,  92,  93,  0,  0
91, BEAM  ,  2,  19,  93,  94,  0,  0
92, BEAM  ,  2,  19,  94,  95,  0,  0
93, BEAM  ,  2,  19,  95,  96,  0,  0
94, BEAM  ,  2,  19,  96,  97,  0,  0
95, BEAM  ,  2,  19,  97,  98,  0,  0
96, BEAM  ,  2,  19,  98,  99,  0,  0
97, BEAM  ,  2,  19,  99,  100,  0,  0
98, BEAM  ,  2,  19,  100,  101,  0,  0
99, BEAM  ,  2,  19,  101,  102,  0,  0
100, BEAM  ,  2,  19,  102,  103,  0,  0
101, BEAM  ,  2,  19,  103,  104,  0,  0
102, BEAM  ,  2,  19,  104,  105,  0,  0
103, BEAM  ,  2,  19,  105,  106,  0,  0
104, BEAM  ,  2,  19,  106,  107,  0,  0
105, BEAM  ,  2,  19,  107,  108,  0,  0
106, BEAM  ,  2,  19,  108,  109,  0,  0
107, BEAM  ,  2,  19,  109,  110,  0,  0
108, BEAM  ,  2,  19,  110,  111,  0,  0
109, BEAM  ,  2,  19,  111,  112,  0,  0
110, BEAM  ,  2,  19,  112,  113,  0,  0
111, BEAM  ,  2,  19,  113,  114,  0,  0
112, BEAM  ,  2,  19,  114,  115,  0,  0
113, BEAM  ,  2,  19,  115,  116,  0,  0
114, BEAM  ,  2,  19,  116,  117,  0,  0
115, BEAM  ,  2,  19,  117,  118,  0,  0
116, BEAM  ,  2,  19,  118,  119,  0,  0
117, BEAM  ,  2,  19,  119,  120,  0,  0
118, BEAM  ,  2,  20,  79,  119,  0,  0
119, BEAM  ,  2,  20,  119,  39,  0,  0
120, BEAM  ,  2,  21,  41,  81,  0,  0
121, BEAM  ,  2,  21,  81,  1,  0,  0
122, BEAM  ,  2,  21,  42,  82,  0,  0
123, BEAM  ,  2,  21,  82,  2,  0,  0
124, BEAM  ,  2,  21,  45,  85,  0,  0
125, BEAM  ,  2,  21,  85,  5,  0,  0
126, BEAM  ,  2,  21,  46,  86,  0,  0
127, BEAM  ,  2,  21,  86,  6,  0,  0
128, BEAM  ,  2,  21,  49,  89,  0,  0
129, BEAM  ,  2,  21,  89,  9,  0,  0
130, BEAM  ,  2,  21,  52,  92,  0,  0
131, BEAM  ,  2,  21,  92,  12,  0,  0
132, BEAM  ,  2,  21,  56,  96,  0,  0
133, BEAM  ,  2,  21,  96,  16,  0,  0
134, BEAM  ,  2,  21,  60,  100,  0,  0
135, BEAM  ,  2,  21,  100,  20,  0,  0
136, BEAM  ,  2,  21,  61,  101,  0,  0
137, BEAM  ,  2,  21,  101,  21,  0,  0
138, BEAM  ,  2,  21,  65,  105,  0,  0
139, BEAM  ,  2,  21,  105,  25,  0,  0
140, BEAM  ,  2,  21,  68,  108,  0,  0
141, BEAM  ,  2,  21,  108,  28,  0,  0
142, BEAM  ,  2,  21,  69,  109,  0,  0
143, BEAM  ,  2,  21,  109,  29,  0,  0
144, BEAM  ,  2,  21,  71,  111,  0,  0
145, BEAM  ,  2,  21,  111,  31,  0,  0
146, BEAM  ,  2,  21,  72,  112,  0,  0
147, BEAM  ,  2,  21,  112,  32,  0,  0
148, BEAM  ,  2,  21,  75,  115,  0,  0
149, BEAM  ,  2,  21,  115,  35,  0,  0
150, BEAM  ,  2,  21,  78,  118,  0,  0
151, BEAM  ,  2,  21,  118,  38,  0,  0
152, BEAM  ,  2,  20,  53,  93,  0,  0
153, BEAM  ,  2,  20,  93,  13,  0,  0
154, BEAM  ,  1,  3,  1,  121,  0,  0
155, BEAM  ,  1,  3,  121,  122,  0,  0
156, BEAM  ,  1,  18,  122,  123,  0,  0
157, BEAM  ,  1,  17,  123,  124,  0,  0
158, BEAM  ,  1,  9,  124,  125,  0,  0
159, BEAM  ,  1,  9,  125,  126,  0,  0
160, BEAM  ,  1,  16,  126,  127,  0,  0
161, BEAM  ,  1,  11,  127,  128,  0,  0
162, BEAM  ,  1,  12,  128,  129,  0,  0
163, BEAM  ,  1,  15,  129,  130,  0,  0
164, BEAM  ,  1,  14,  130,  131,  0,  0
165, BEAM  ,  1,  14,  131,  132,  0,  0
166, BEAM  ,  1,  14,  132,  133,  0,  0
167, BEAM  ,  1,  13,  133,  134,  0,  0
168, BEAM  ,  1,  12,  134,  135,  0,  0
169, BEAM  ,  1,  12,  135,  136,  0,  0
170, BEAM  ,  1,  11,  136,  137,  0,  0
171, BEAM  ,  1,  10,  137,  138,  0,  0
172, BEAM  ,  1,  9,  138,  139,  0,  0
173, BEAM  ,  1,  9,  139,  140,  0,  0
174, BEAM  ,  1,  9,  140,  141,  0,  0
175, BEAM  ,  1,  8,  141,  142,  0,  0
176, BEAM  ,  1,  7,  142,  143,  0,  0
177, BEAM  ,  1,  3,  143,  144,  0,  0
178, BEAM  ,  1,  3,  144,  145,  0,  0
179, BEAM  ,  1,  6,  145,  146,  0,  0
180, BEAM  ,  1,  5,  146,  147,  0,  0
181, BEAM  ,  1,  5,  147,  148,  0,  0
182, BEAM  ,  1,  5,  148,  149,  0,  0
183, BEAM  ,  1,  5,  149,  150,  0,  0
184, BEAM  ,  1,  5,  150,  151,  0,  0
185, BEAM  ,  1,  5,  151,  152,  0,  0
186, BEAM  ,  1,  4,  152,  153,  0,  0
187, BEAM  ,  1,  3,  153,  154,  0,  0
188, BEAM  ,  1,  3,  154,  155,  0,  0
189, BEAM  ,  1,  2,  155,  156,  0,  0
190, BEAM  ,  1,  1,  156,  157,  0,  0
191, BEAM  ,  1,  1,  157,  158,  0,  0
192, BEAM  ,  1,  1,  158,  159,  0,  0
193, BEAM  ,  1,  24,  41,  160,  0,  0
194, BEAM  ,  1,  24,  160,  161,  0,  0
195, BEAM  ,  1,  39,  161,  162,  0,  0
196, BEAM  ,  1,  38,  162,  163,  0,  0
197, BEAM  ,  1,  30,  163,  164,  0,  0
198, BEAM  ,  1,  30,  164,  165,  0,  0
199, BEAM  ,  1,  37,  165,  166,  0,  0
200, BEAM  ,  1,  32,  166,  167,  0,  0
201, BEAM  ,  1,  33,  167,  168,  0,  0
202, BEAM  ,  1,  36,  168,  169,  0,  0
203, BEAM  ,  1,  35,  169,  170,  0,  0
204, BEAM  ,  1,  35,  170,  171,  0,  0
205, BEAM  ,  1,  35,  171,  172,  0,  0
206, BEAM  ,  1,  34,  172,  173,  0,  0
207, BEAM  ,  1,  33,  173,  174,  0,  0
208, BEAM  ,  1,  33,  174,  175,  0,  0
209, BEAM  ,  1,  32,  175,  176,  0,  0
210, BEAM  ,  1,  31,  176,  177,  0,  0
211, BEAM  ,  1,  30,  177,  178,  0,  0
212, BEAM  ,  1,  30,  178,  179,  0,  0
213, BEAM  ,  1,  30,  179,  180,  0,  0
214, BEAM  ,  1,  29,  180,  181,  0,  0
215, BEAM  ,  1,  28,  181,  182,  0,  0
216, BEAM  ,  1,  24,  182,  183,  0,  0
217, BEAM  ,  1,  24,  183,  184,  0,  0
218, BEAM  ,  1,  27,  184,  185,  0,  0
219, BEAM  ,  1,  26,  185,  186,  0,  0
220, BEAM  ,  1,  26,  186,  187,  0,  0
221, BEAM  ,  1,  26,  187,  188,  0,  0
222, BEAM  ,  1,  26,  188,  189,  0,  0
223, BEAM  ,  1,  26,  189,  190,  0,  0
224, BEAM  ,  1,  26,  190,  191,  0,  0
225, BEAM  ,  1,  25,  191,  192,  0,  0
226, BEAM  ,  1,  24,  192,  193,  0,  0
227, BEAM  ,  1,  24,  193,  194,  0,  0
228, BEAM  ,  1,  23,  194,  195,  0,  0
229, BEAM  ,  1,  22,  195,  196,  0,  0
230, BEAM  ,  1,  22,  196,  197,  0,  0
231, BEAM  ,  1,  22,  197,  198,  0,  0
232, BEAM  ,  2,  19,  81,  199,  0,  0
233, BEAM  ,  2,  19,  199,  200,  0,  0
234, BEAM  ,  2,  19,  200,  201,  0,  0
235, BEAM  ,  2,  19,  201,  202,  0,  0
236, BEAM  ,  2,  19,  202,  203,  0,  0
237, BEAM  ,  2,  19,  203,  204,  0,  0
238, BEAM  ,  2,  19,  204,  205,  0,  0
239, BEAM  ,  2,  19,  205,  206,  0,  0
240, BEAM  ,  2,  19,  206,  207,  0,  0
241, BEAM  ,  2,  19,  207,  208,  0,  0
242, BEAM  ,  2,  19,  208,  209,  0,  0
243, BEAM  ,  2,  19,  209,  210,  0,  0
244, BEAM  ,  2,  19,  210,  211,  0,  0
245, BEAM  ,  2,  19,  211,  212,  0,  0
246, BEAM  ,  2,  19,  212,  213,  0,  0
247, BEAM  ,  2,  19,  213,  214,  0,  0
248, BEAM  ,  2,  19,  214,  215,  0,  0
249, BEAM  ,  2,  19,  215,  216,  0,  0
250, BEAM  ,  2,  19,  216,  217,  0,  0
251, BEAM  ,  2,  19,  217,  218,  0,  0
252, BEAM  ,  2,  19,  218,  219,  0,  0
253, BEAM  ,  2,  19,  219,  220,  0,  0
254, BEAM  ,  2,  19,  220,  221,  0,  0
255, BEAM  ,  2,  19,  221,  222,  0,  0
256, BEAM  ,  2,  19,  222,  223,  0,  0
257, BEAM  ,  2,  19,  223,  224,  0,  0
258, BEAM  ,  2,  19,  224,  225,  0,  0
259, BEAM  ,  2,  19,  225,  226,  0,  0
260, BEAM  ,  2,  19,  226,  227,  0,  0
261, BEAM  ,  2,  19,  227,  228,  0,  0
262, BEAM  ,  2,  19,  228,  229,  0,  0
263, BEAM  ,  2,  19,  229,  230,  0,  0
264, BEAM  ,  2,  19,  230,  231,  0,  0
265, BEAM  ,  2,  19,  231,  232,  0,  0
266, BEAM  ,  2,  19,  232,  233,  0,  0
267, BEAM  ,  2,  19,  233,  234,  0,  0
268, BEAM  ,  2,  19,  234,  235,  0,  0
269, BEAM  ,  2,  19,  235,  236,  0,  0
270, BEAM  ,  2,  19,  236,  237,  0,  0
271, BEAM  ,  2,  20,  197,  236,  0,  0
272, BEAM  ,  2,  20,  236,  158,  0,  0
273, BEAM  ,  2,  21,  160,  199,  0,  0
274, BEAM  ,  2,  21,  199,  121,  0,  0
275, BEAM  ,  2,  21,  163,  202,  0,  0
276, BEAM  ,  2,  21,  202,  124,  0,  0
277, BEAM  ,  2,  21,  164,  203,  0,  0
278, BEAM  ,  2,  21,  203,  125,  0,  0
279, BEAM  ,  2,  21,  167,  206,  0,  0
280, BEAM  ,  2,  21,  206,  128,  0,  0
281, BEAM  ,  2,  21,  170,  209,  0,  0
282, BEAM  ,  2,  21,  209,  131,  0,  0
283, BEAM  ,  2,  21,  174,  213,  0,  0
284, BEAM  ,  2,  21,  213,  135,  0,  0
285, BEAM  ,  2,  21,  178,  217,  0,  0
286, BEAM  ,  2,  21,  217,  139,  0,  0
287, BEAM  ,  2,  21,  179,  218,  0,  0
288, BEAM  ,  2,  21,  218,  140,  0,  0
289, BEAM  ,  2,  21,  183,  222,  0,  0
290, BEAM  ,  2,  21,  222,  144,  0,  0
291, BEAM  ,  2,  21,  186,  225,  0,  0
292, BEAM  ,  2,  21,  225,  147,  0,  0
293, BEAM  ,  2,  21,  187,  226,  0,  0
294, BEAM  ,  2,  21,  226,  148,  0,  0
295, BEAM  ,  2,  21,  189,  228,  0,  0
296, BEAM  ,  2,  21,  228,  150,  0,  0
297, BEAM  ,  2,  21,  190,  229,  0,  0
298, BEAM  ,  2,  21,  229,  151,  0,  0
299, BEAM  ,  2,  21,  193,  232,  0,  0
300, BEAM  ,  2,  21,  232,  154,  0,  0
301, BEAM  ,  2,  21,  196,  235,  0,  0
302, BEAM  ,  2,  21,  235,  157,  0,  0
303, BEAM  ,  2,  20,  171,  210,  0,  0
304, BEAM  ,  2,  20,  210,  132,  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
*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
*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 , G1-1                 , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.01
        1, 0, 0, 0, 3, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,    6.07, 0.2, 0.1,    7.94851, 0, 0.3, 0.18, 1.2, NO, ,
    2, COMPOSITE , G1-2                 , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.01
        1, 0, 0, 0, 3, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,    6.07, 0.2, 0.1,    7.94851, 0, 0.3, 0.18, 1.2, NO, ,
    3, COMPOSITE , G1-3                 , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014
        1, 0, 0, 0, 3, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,    6.07, 0.2, 0.1,    7.94851, 0, 0.3, 0.18, 1.2, NO, ,
    4, COMPOSITE , G1-4                 , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.014
        1, 0, 0, 0, 3, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,    6.07, 0.2, 0.1,    7.94851, 0, 0.3, 0.18, 1.2, NO, ,
    5, COMPOSITE , G1-5                 , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.022
        1, 0, 0, 0, 3, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,    6.07, 0.2, 0.1,    7.94851, 0, 0.3, 0.18, 1.2, NO, ,
    6, COMPOSITE , G1-6                 , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.022
        1, 0, 0, 0, 3, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,    6.07, 0.2, 0.1,    7.94851, 0, 0.3, 0.18, 1.2, NO, ,
    7, COMPOSITE , G1-7                 , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014
        1, 0, 0, 0, 5, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,    6.07, 0.2, 0.1,    7.94851, 0, 0.3, 0.18, 1.2, NO, ,
    8, COMPOSITE , G1-8                 , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.014
        1, 0, 0, 0, 5, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,    6.07, 0.2, 0.1,    7.94851, 0, 0.3, 0.18, 1.2, NO, ,
    9, COMPOSITE , G1-9                 , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
        1, 0, 0, 0, 5, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
```

0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
10, COMPOSITE , G1-10 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.012
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
11, COMPOSITE , G1-11 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
12, COMPOSITE , G1-12 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
13, COMPOSITE , G1-13 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.03, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
14, COMPOSITE , G1-14 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.03, 2.5, 0.1, 0.032
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
15, COMPOSITE , G1-15 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.032
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
16, COMPOSITE , G1-16 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
17, COMPOSITE , G1-17 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
18, COMPOSITE , G1-18 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.012
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
19, DBUSER , Stringer , CC, 0, 0, 0, 0, 0, 0, YES, H , 2, 0.8, 0.25, 0.01, 0.01, 0.25, 0.01, 0, 0, 0, 0
20, DBUSER , Cross Beam-교대교각, CC, 0, 0, 0, 0, 0, 0, YES, H , 2, 2, 0.3, 0.012, 0.012, 0.3, 0.012, 0, 0, 0, 0
21, DBUSER , Cross Beam-일반 , CC, 0, 0, 0, 0, 0, 0, YES, H , 2, 1.5, 0.3, 0.01, 0.01, 0.3, 0.01, 0, 0, 0, 0
22, COMPOSITE , G2-1 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.01
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
23, COMPOSITE , G2-2 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.01
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
24, COMPOSITE , G2-3 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
25, COMPOSITE , G2-4 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.014
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
26, COMPOSITE , G2-5 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.022
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
27, COMPOSITE , G2-6 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.022
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
28, COMPOSITE , G2-7 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
29, COMPOSITE , G2-8 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.014
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
30, COMPOSITE , G2-9 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
31, COMPOSITE , G2-10 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.012
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
32, COMPOSITE , G2-11 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
33, COMPOSITE , G2-12 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
34, COMPOSITE , G2-13 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.03, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
35, COMPOSITE , G2-14 , CC, 0, 0, 0, 0, 0, 0, YES, B

```
        2.7, 0.012, 2.5, 0.1, 0.03, 2.5, 0.1, 0.032
        1, 0, 0, 0, 5, 3
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   36, COMPOSITE , G2-15                , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.032
        1, 0, 0, 0, 5, 3
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   37, COMPOSITE , G2-16                , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.022
        1, 0, 0, 0, 5, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   38, COMPOSITE , G2-17                , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
        1, 0, 0, 0, 3, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   39, COMPOSITE , G2-18                , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.012
        1, 0, 0, 0, 3, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3, 0.18, 1.2, NO, ,
*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
   23, 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
*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 , G1-1 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.01
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
2, COMPOSITE , G1-2 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.01
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
3, COMPOSITE , G1-3 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
4, COMPOSITE , G1-4 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.014
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
5, COMPOSITE , G1-5 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.022
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
6, COMPOSITE , G1-6 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.022
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
7, COMPOSITE , G1-7 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
8, COMPOSITE , G1-8 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.014
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
9, COMPOSITE , G1-9 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
10, COMPOSITE , G1-10 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.012
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
11, COMPOSITE , G1-11 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
12, COMPOSITE , G1-12 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
13, COMPOSITE , G1-13 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.03, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
14, COMPOSITE , G1-14 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.03, 2.5, 0.1, 0.032
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
15, COMPOSITE , G1-15 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.032
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
16, COMPOSITE , G1-16 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
17, COMPOSITE , G1-17 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
18, COMPOSITE , G1-18 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.012
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
19, DBUSER , Stringer , CC, 0, 0, 0, 0, 0, 0, YES, H , 2, 0.8, 0.25, 0.01, 0.01, 0.25, 0.01, 0, 0, 0, 0
20, DBUSER , Cross Beam-교대교각, CC, 0, 0, 0, 0, 0, 0, YES, H , 2, 2, 0.3, 0.012, 0.012, 0.3, 0.012, 0, 0, 0, 0
21, DBUSER , Cross Beam-일반 , CC, 0, 0, 0, 0, 0, 0, YES, H , 2, 1.5, 0.3, 0.01, 0.01, 0.3, 0.01, 0, 0, 0, 0
22, COMPOSITE , G2-1 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.01
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
23, COMPOSITE , G2-2 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.01
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
24, COMPOSITE , G2-3 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3,

```
0.18, 1.2, NO, ,
   25, COMPOSITE , G2-4                , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.014
        1, 0, 0, 0, 3, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,   6.08, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   26, COMPOSITE , G2-5                , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.022
        1, 0, 0, 0, 3, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,   6.08, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   27, COMPOSITE , G2-6                , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.022
        1, 0, 0, 0, 3, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,   6.08, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   28, COMPOSITE , G2-7                , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014
        1, 0, 0, 0, 5, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,   6.08, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   29, COMPOSITE , G2-8                , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.014
        1, 0, 0, 0, 5, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,   6.08, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   30, COMPOSITE , G2-9                , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
        1, 0, 0, 0, 5, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,   6.08, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   31, COMPOSITE , G2-10               , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.012
        1, 0, 0, 0, 5, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,   6.08, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   32, COMPOSITE , G2-11               , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022
        1, 0, 0, 0, 5, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,   6.08, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   33, COMPOSITE , G2-12               , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022
        1, 0, 0, 0, 5, 3
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        12.15, 2, 7.8,   6.08, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   34, COMPOSITE , G2-13               , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.03, 2.5, 0.1, 0.022
        1, 0, 0, 0, 5, 3
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        12.15, 2, 7.8,   6.08, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   35, COMPOSITE , G2-14               , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.03, 2.5, 0.1, 0.032
        1, 0, 0, 0, 5, 3
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        12.15, 2, 7.8,   6.08, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   36, COMPOSITE , G2-15               , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.032
        1, 0, 0, 0, 5, 3
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        12.15, 2, 7.8,   6.08, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   37, COMPOSITE , G2-16               , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.022
        1, 0, 0, 0, 5, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,   6.08, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   38, COMPOSITE , G2-17               , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
        1, 0, 0, 0, 3, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,   6.08, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
   39, COMPOSITE , G2-18               , CC, 0, 0, 0, 0, 0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.012
        1, 0, 0, 0, 3, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,   6.08, 0.2, 0.1,   7.94851, 0, 0.3, 0.18, 1.2, NO, ,
*STLDCASE    ; Static Load Cases
; LCNAME, LCTYPE, DESC
   자중 , D ,
   슬래브자중, D ,
   방호벽자중, D ,
   포장자중, D ,
   단위모멘트, USER,
*CONSTRAINT    ; Supports
; NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP
   171, 111000,
   132, 101000,
   53 79 197, 011000,
   13 39 158, 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
   118, ELEMENT, 0, 1.35,
   119, ELEMENT, 1.35, 0,
   120, ELEMENT, 0, 1.35,
   121, ELEMENT, 1.35, 0,
   122, ELEMENT, 0, 1.35,
   123, ELEMENT, 1.35, 0,
   124, ELEMENT, 0, 1.35,
   125, ELEMENT, 1.35, 0,
   126, ELEMENT, 0, 1.35,
   127, ELEMENT, 1.35, 0,
   128, ELEMENT, 0, 1.35,
   129, ELEMENT, 1.35, 0,
   130, ELEMENT, 0, 1.35,
   131, ELEMENT, 1.35, 0,
   132, ELEMENT, 0, 1.35,
   133, ELEMENT, 1.35, 0,
   134, ELEMENT, 0, 1.35,
   135, ELEMENT, 1.35, 0,
   136, ELEMENT, 0, 1.35,
   137, ELEMENT, 1.35, 0,
   138, ELEMENT, 0, 1.35,
   139, ELEMENT, 1.35, 0,
   140, ELEMENT, 0, 1.35,
   141, ELEMENT, 1.35, 0,
   142, ELEMENT, 0, 1.35,
   143, ELEMENT, 1.35, 0,
   144, ELEMENT, 0, 1.35,
   145, ELEMENT, 1.35, 0,
   146, ELEMENT, 0, 1.35,
   147, ELEMENT, 1.35, 0,
   148, ELEMENT, 0, 1.35,
   149, ELEMENT, 1.35, 0,
   150, ELEMENT, 0, 1.35,
   151, ELEMENT, 1.35, 0,
   152, ELEMENT, 0, 1.35,
   153, ELEMENT, 1.35, 0,
   271, ELEMENT, 0, 1.35,
   272, ELEMENT, 1.35, 0,
   273, ELEMENT, 0, 1.35,
   274, ELEMENT, 1.35, 0,
   275, ELEMENT, 0, 1.35,
   276, ELEMENT, 1.35, 0,
   277, ELEMENT, 0, 1.35,
   278, ELEMENT, 1.35, 0,
   279, ELEMENT, 0, 1.35,
   280, ELEMENT, 1.35, 0,
   281, ELEMENT, 0, 1.35,
   282, ELEMENT, 1.35, 0,
   283, ELEMENT, 0, 1.35,
   284, ELEMENT, 1.35, 0,
   285, ELEMENT, 0, 1.35,
   286, ELEMENT, 1.35, 0,
   287, ELEMENT, 0, 1.35,
   288, ELEMENT, 1.35, 0,
   289, ELEMENT, 0, 1.35,
   290, ELEMENT, 1.35, 0,
   291, ELEMENT, 0, 1.35,
   292, ELEMENT, 1.35, 0,
   293, ELEMENT, 0, 1.35,
   294, ELEMENT, 1.35, 0,
   295, ELEMENT, 0, 1.35,
   296, ELEMENT, 1.35, 0,
   297, ELEMENT, 0, 1.35,
   298, ELEMENT, 1.35, 0,
   299, ELEMENT, 0, 1.35,
   300, ELEMENT, 1.35, 0,
   301, ELEMENT, 0, 1.35,
   302, ELEMENT, 1.35, 0,
   303, ELEMENT, 0, 1.35,
   304, ELEMENT, 1.35, 0,
*USE-STLD, 자중
; *SELFWEIGHT, X, Y, Z, GROUP
*SELFWEIGHT, 0, 0, -1,
;   End   of   data   for   load   case   [자중]
--------------------------
*USE-STLD, 슬래브자중
*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,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    1, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    2, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    2, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    3, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    3, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    4, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    4, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    5, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    5, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    6, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    6, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    7, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    7, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    8, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    8, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    9, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    9, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    10, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    10, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    11, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    11, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    12, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    12, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    13, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    13, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    14, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    14, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    15, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    15, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    16, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    16, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    17, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    17, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    18, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    18, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    19, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    19, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    20, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    20, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    21, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    21, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    22, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    22, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    23, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    23, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    24, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    24, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    25, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    25, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    26, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    26, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    27, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    27, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    28, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    28, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    29, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    29, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    30, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    30, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    31, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    31, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    32, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    32, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    33, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    33, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    34, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    34, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    35, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    35, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    36, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    36, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    37, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    37, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    38, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    38, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    39, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    39, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    40, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    40, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    41, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    41, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    42, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    42, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    43, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    43, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    44, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    44, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    45, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    45, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    46, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    46, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    47, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    47, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    48, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    48, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    49, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    49, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    50, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    50, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    51, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    51, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    52, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    52, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    53, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    53, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    54, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    54, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    55, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    55, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    56, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    56, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    57, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    57, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    58, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    58, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    59, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    59, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    60, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    60, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    61, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    61, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    62, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    62, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    63, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    63, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    64, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    64, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    65, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    65, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    66, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    66, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    67, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    67, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    68, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    68, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    69, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    69, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    70, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    70, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    71, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    71, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    72, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    72, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    73, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    73, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
```

-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
74, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
74, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
75, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
75, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
76, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
76, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
77, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
77, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
78, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
78, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
154, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
154, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
155, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
155, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
156, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
156, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
157, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
157, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
158, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
158, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
159, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
159, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
160, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
160, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
161, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
161, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
162, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
162, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
163, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
163, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
164, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
164, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
165, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
165, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
166, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
166, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
167, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
167, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
168, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
168, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
169, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
169, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
170, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
170, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
171, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
171, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
172, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
172, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
173, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
173, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
174, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
174, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
175, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
175, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
176, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
176, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
177, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
177, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
178, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
178, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
179, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
179, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
180, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
180, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
181, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
181, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
182, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
182, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
183, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
183, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
184, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
184, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
185, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
185, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
186, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
186, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
187, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
187, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
188, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
188, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
189, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
189, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
190, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
190, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
191, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
191, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
192, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
192, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
193, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
193, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
194, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
194, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
195, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
195, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
196, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
196, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
197, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
197, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
198, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
198, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
199, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
199, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
200, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
200, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
201, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
201, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
202, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
202, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
203, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
203, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
204, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
204, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
205, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
205, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
206, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
206, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
207, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
207, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
208, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
208, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
209, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
209, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
210, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
210, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
211, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
211, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
212, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
212, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
213, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
213, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
214, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
214, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
215, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
215, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
216, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
216, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
217, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
217, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
218, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
218, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
219, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
219, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
220, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
220, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
221, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,

```
   221, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   222, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   222, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   223, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   223, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   224, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   224, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   225, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   225, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   226, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   226, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   227, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   227, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   228, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   228, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   229, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   229, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   230, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   230, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   231, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   231, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
; End of data for load case [슬래브자중]
--------------------------
*USE-STLD, 방호벽자중
*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,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
     1, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
     2, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
     2, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
     3, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
     3, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
     4, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
     4, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
     5, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
     5, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
     6, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
     6, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
     7, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
     7, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
     8, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
     8, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
     9, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
     9, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    10, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    10, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    11, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    11, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    12, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    12, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    13, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    13, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    14, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    14, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    15, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    15, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    16, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    16, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    17, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    17, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    18, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    18, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    19, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    19, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    20, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    20, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    21, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    21, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    22, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    22, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    23, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    23, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    24, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    24, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    25, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    25, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    26, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    26, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    27, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    27, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    28, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    28, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    29, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    29, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    30, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    30, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    31, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    31, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    32, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    32, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    33, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    33, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    34, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    34, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    35, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    35, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    36, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    36, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    37, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    37, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    38, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    38, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    39, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
    39, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
    40, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    40, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    41, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    41, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    42, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    42, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    43, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    43, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    44, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    44, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    45, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    45, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    46, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    46, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    47, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    47, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    48, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    48, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    49, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    49, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    50, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    50, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    51, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    51, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    52, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    52, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    53, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    53, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    54, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    54, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    55, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    55, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    56, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    56, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    57, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    57, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    58, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
    58, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    59, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
    59, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
```

60, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
60, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
61, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
61, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
62, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
62, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
63, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
63, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
64, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
64, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
65, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
65, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
66, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
66, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
67, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
67, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
68, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
68, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
69, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
69, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
70, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
70, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
71, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
71, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
72, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
72, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
73, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
73, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
74, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
74, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
75, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
75, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
76, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
76, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
77, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
77, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
78, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
78, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
154, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
154, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
155, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
155, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
156, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
156, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
157, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
157, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
158, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
158, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
159, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
159, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
160, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
160, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
161, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
161, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
162, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
162, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
163, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
163, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
164, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
164, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
165, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
165, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
166, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
166, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
167, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
167, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
168, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
168, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
169, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
169, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
170, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
170, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
171, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
171, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
172, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
172, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
173, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
173, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
174, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
174, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
175, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
175, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
176, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
176, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
177, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
177, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
178, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
178, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
179, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
179, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
180, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
180, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
181, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
181, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
182, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
182, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
183, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
183, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
184, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
184, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
185, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
185, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
186, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
186, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
187, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
187, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
188, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
188, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
189, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
189, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
190, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
190, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
191, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
191, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
192, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
192, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
193, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
193, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
194, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
194, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
195, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
195, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
196, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
196, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
197, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
197, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
198, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
198, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
199, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
199, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
200, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
200, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
201, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
201, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
202, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
202, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
203, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
203, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
204, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
204, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
205, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
205, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
206, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
206, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
207, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
207, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,

```
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   208, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   208, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   209, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   209, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   210, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   210, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   211, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   211, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   212, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   212, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   213, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   213, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   214, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   214, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   215, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   215, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   216, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   216, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   217, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   217, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   218, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   218, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   219, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   219, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   220, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   220, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   221, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   221, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   222, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   222, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   223, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   223, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   224, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   224, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   225, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   225, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   226, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   226, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   227, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   227, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   228, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   228, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   229, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   229, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   230, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   230, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   231, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   231, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
; End of data for load case [방호벽자중]
--------------------------
*USE-STLD, 포장자중
*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,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
     2, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
     3, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
     4, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
     5, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
     6, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
     7, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
     8, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
     9, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    10, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    11, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    12, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    13, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    14, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    15, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    16, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    17, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    18, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    19, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    20, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    21, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    22, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    23, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    24, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    25, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    26, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    27, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    28, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    29, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    30, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    31, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    32, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    33, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    34, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    35, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    36, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    37, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    38, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    39, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
    40, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    41, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    42, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    43, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    44, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    45, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    46, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    47, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    48, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    49, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    50, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    51, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    52, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    53, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    54, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    55, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    56, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    57, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    58, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    59, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    60, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    61, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    62, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    63, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    64, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    65, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    66, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    67, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    68, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    69, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    70, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    71, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    72, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    73, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    74, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    75, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    76, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    77, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
    78, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   154, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   155, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   156, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   157, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   158, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   159, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   160, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   161, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   162, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   163, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   164, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   165, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   166, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
```

```
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   167, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   168, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   169, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   170, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   171, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   172, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   173, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   174, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   175, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   176, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   177, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   178, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   179, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   180, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   181, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   182, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   183, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   184, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   185, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   186, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   187, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   188, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   189, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   190, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   191, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   192, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   193, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   194, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   195, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   196, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   197, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   198, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   199, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   200, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   201, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   202, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   203, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   204, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   205, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   206, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   207, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   208, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   209, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   210, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   211, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   212, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   213, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   214, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   215, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   216, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   217, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   218, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   219, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   220, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   221, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   222, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   223, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   224, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   225, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   226, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   227, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   228, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   229, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   230, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   231, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
;   End   of   data   for   load   case   [포장자중]
-------------------------
*USE-STLD, 단위모멘트
*CONLOAD    ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  39, 0, 0, 0, 0, -1, 0,
  79, 0, 0, 0, 0, -1, 0,
 158, 0, 0, 0, 0, 1, 0,
 197, 0, 0, 0, 0, 1, 0,
;   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
         192,  -1.72,  0.158,  YES,  0,      191,  -1.72, 0.158, NO, 0
         190, -1.72, 0.158, NO, 0,   189, -1.72, 0.158, NO, 0
         188, -1.72, 0.158, NO, 0,   187, -1.72, 0.158, NO, 0
         186, -1.72, 0.158, NO, 0,   185, -1.72, 0.158, NO, 0
         184, -1.72, 0.158, NO, 0,   183, -1.72, 0.158, NO, 0
         182, -1.72, 0.158, NO, 0,   181, -1.72, 0.158, NO, 0
         180, -1.72, 0.158, NO, 0,   179, -1.72, 0.158, NO, 0
         178, -1.72, 0.158, NO, 0,   177, -1.72, 0.158, NO, 0
         176, -1.72, 0.158, NO, 0,   175, -1.72, 0.158, NO, 0
         174, -1.72, 0.158, NO, 0,   173, -1.72, 0.158, NO, 0
         172, -1.72, 0.158, NO, 0,   171, -1.72, 0.158, NO, 0
         170, -1.72, 0.158, NO, 0,   169, -1.72, 0.158, NO, 0
         168, -1.72, 0.158, NO, 0,   167, -1.72, 0.158, NO, 0
         166, -1.72, 0.158, NO, 0,   165, -1.72, 0.15, NO, 0
         164, -1.72, 0.15, NO, 0,   163, -1.72, 0.15, NO, 0
         162, -1.72, 0.15, NO, 0,   161, -1.72, 0.15, NO, 0
         160, -1.72, 0.15, NO, 0,   159, -1.72, 0.15, NO, 0
         158, -1.72, 0.15, NO, 0,   157, -1.72, 0.15, NO, 0
         156, -1.72, 0.15, NO, 0,   155, -1.72, 0.15, NO, 0
         154, -1.72, 0.15, NO, 0,     1, -1.72, 0.15, NO, 0
           2, -1.72, 0.15, NO, 0,     3, -1.72, 0.15, NO, 0
           4, -1.72, 0.15, NO, 0,     5, -1.72, 0.15, NO, 0
           6, -1.72, 0.15, NO, 0,     7, -1.72, 0.15, NO, 0
           8, -1.72, 0.15, NO, 0,     9, -1.72, 0.15, NO, 0
          10, -1.72, 0.15, NO, 0,    11, -1.72, 0.15, NO, 0
          12, -1.72, 0.15, NO, 0,    13, -1.72, 0.158, NO, 0
          14, -1.72, 0.158, NO, 0,   15, -1.72, 0.158, NO, 0
          16, -1.72, 0.158, NO, 0,   17, -1.72, 0.158, NO, 0
          18, -1.72, 0.158, NO, 0,   19, -1.72, 0.158, NO, 0
          20, -1.72, 0.158, NO, 0,   21, -1.72, 0.158, NO, 0
          22, -1.72, 0.158, NO, 0,   23, -1.72, 0.158, NO, 0
          24, -1.72, 0.158, NO, 0,   25, -1.72, 0.158, NO, 0
          26, -1.72, 0.158, NO, 0,   27, -1.72, 0.158, NO, 0
          28, -1.72, 0.158, NO, 0,   29, -1.72, 0.158, NO, 0
          30, -1.72, 0.158, NO, 0,   31, -1.72, 0.158, NO, 0
          32, -1.72, 0.158, NO, 0,   33, -1.72, 0.158, NO, 0
          34, -1.72, 0.158, NO, 0,   35, -1.72, 0.158, NO, 0
          36, -1.72, 0.158, NO, 0,   37, -1.72, 0.158, NO, 0
          38, -1.72, 0.158, NO, 0,   39, -1.72, 0.158, NO, 0
   NAME=L2, LANE, , 0, 0, BOTH, 3, 1.8, NO
         270, -1.0451, 0.158, YES, 0,   269, -1.0451, 0.158, NO, 0
         268, -1.0451, 0.158, NO, 0,   267, -1.0451, 0.158, NO, 0
         266, -1.0451, 0.158, NO, 0,   265, -1.0451, 0.158, NO, 0
         264, -1.0451, 0.158, NO, 0,   263, -1.0451, 0.158, NO, 0
         262, -1.0451, 0.158, NO, 0,   261, -1.0451, 0.158, NO, 0
         260, -1.0451, 0.158, NO, 0,   259, -1.0451, 0.158, NO, 0
         258, -1.0451, 0.158, NO, 0,   257, -1.0451, 0.158, NO, 0
         256, -1.0451, 0.158, NO, 0,   255, -1.0451, 0.158, NO, 0
         254, -1.0451, 0.158, NO, 0,   253, -1.0451, 0.158, NO, 0
         252, -1.0451, 0.158, NO, 0,   251, -1.0451, 0.158, NO, 0
         250, -1.0451, 0.158, NO, 0,   249, -1.0451, 0.158, NO, 0
         248, -1.0451, 0.158, NO, 0,   247, -1.0451, 0.158, NO, 0
         246, -1.0451, 0.158, NO, 0,   245, -1.0451, 0.158, NO, 0
         244, -1.0451, 0.158, NO, 0,   243, -1.0451, 0.15, NO, 0
         242, -1.0451, 0.15, NO, 0,   241, -1.0451, 0.15, NO, 0
         240, -1.0451, 0.15, NO, 0,   239, -1.0451, 0.15, NO, 0
         238, -1.0451, 0.15, NO, 0,   237, -1.0451, 0.15, NO, 0
         236, -1.0451, 0.15, NO, 0,   235, -1.0451, 0.15, NO, 0
         234, -1.0451, 0.15, NO, 0,   233, -1.0451, 0.15, NO, 0
         232, -1.0451, 0.15, NO, 0,    79, -1.0451, 0.15, NO, 0
          80, -1.0451, 0.15, NO, 0,    81, -1.0451, 0.15, NO, 0
          82, -1.0451, 0.15, NO, 0,    83, -1.0451, 0.15, NO, 0
          84, -1.0451, 0.15, NO, 0,    85, -1.0451, 0.15, NO, 0
          86, -1.0451, 0.15, NO, 0,    87, -1.0451, 0.15, NO, 0
          88, -1.0451, 0.15, NO, 0,    89, -1.0451, 0.15, NO, 0
          90, -1.0451, 0.15, NO, 0,    91, -1.0451, 0.158, NO, 0
          92, -1.0451, 0.158, NO, 0,   93, -1.0451, 0.158, NO, 0
          94, -1.0451, 0.158, NO, 0,   95, -1.0451, 0.158, NO, 0
          96, -1.0451, 0.158, NO, 0,   97, -1.0451, 0.158, NO, 0
          98, -1.0451, 0.158, NO, 0,   99, -1.0451, 0.158, NO, 0
         100, -1.0451, 0.158, NO, 0,  101, -1.0451,
```

```
0.158, NO, 0
        102, -1.0451, 0.158, NO, 0,    103, -1.0451, 0.158, NO, 0
        104, -1.0451, 0.158, NO, 0,    105, -1.0451, 0.158, NO, 0
        106, -1.0451, 0.158, NO, 0,    107, -1.0451, 0.158, NO, 0
        108, -1.0451, 0.158, NO, 0,    109, -1.0451, 0.158, NO, 0
        110, -1.0451, 0.158, NO, 0,    111, -1.0451, 0.158, NO, 0
        112, -1.0451, 0.158, NO, 0,    113, -1.0451, 0.158, NO, 0
        114, -1.0451, 0.158, NO, 0,    115, -1.0451, 0.158, NO, 0
        116, -1.0451, 0.158, NO, 0,    117, -1.0451, 0.158, NO, 0
   NAME=L3, LANE, , 0, 0, BOTH, 3, 1.8, NO
        231, 0.395, 0.158, YES, 0,    230, 0.395, 0.158, NO, 0
        229, 0.395, 0.158, NO, 0,    228, 0.395, 0.158, NO, 0
        227, 0.395, 0.158, NO, 0,    226, 0.395, 0.158, NO, 0
        225, 0.395, 0.158, NO, 0,    224, 0.395, 0.158, NO, 0
        223, 0.395, 0.158, NO, 0,    222, 0.395, 0.158, NO, 0
        221, 0.395, 0.158, NO, 0,    220, 0.395, 0.158, NO, 0
        219, 0.395, 0.158, NO, 0,    218, 0.395, 0.158, NO, 0
        217, 0.395, 0.158, NO, 0,    216, 0.395, 0.158, NO, 0
        215, 0.395, 0.158, NO, 0,    214, 0.395, 0.158, NO, 0
        213, 0.395, 0.158, NO, 0,    212, 0.395, 0.158, NO, 0
        211, 0.395, 0.158, NO, 0,    210, 0.395, 0.158, NO, 0
        209, 0.395, 0.158, NO, 0,    208, 0.395, 0.158, NO, 0
        207, 0.395, 0.158, NO, 0,    206, 0.395, 0.158, NO, 0
        205, 0.395, 0.158, NO, 0,    204, 0.395, 0.15, NO, 0
        203, 0.395, 0.15, NO, 0,    202, 0.395, 0.15, NO, 0
        201, 0.395, 0.15, NO, 0,    200, 0.395, 0.15, NO, 0
        199, 0.395, 0.15, NO, 0,    198, 0.395, 0.15, NO, 0
        197, 0.395, 0.15, NO, 0,    196, 0.395, 0.15, NO, 0
        195, 0.395, 0.15, NO, 0,    194, 0.395, 0.15, NO, 0
        193, 0.395, 0.15, NO, 0,    40, 0.395, 0.15, NO, 0
         41, 0.395, 0.15, NO, 0,    42, 0.395, 0.15, NO, 0
         43, 0.395, 0.15, NO, 0,    44, 0.395, 0.15, NO, 0
         45, 0.395, 0.15, NO, 0,    46, 0.395, 0.15, NO, 0
         47, 0.395, 0.15, NO, 0,    48, 0.395, 0.15, NO, 0
         49, 0.395, 0.15, NO, 0,    50, 0.395, 0.15, NO, 0
         51, 0.395, 0.15, NO, 0,    52, 0.395, 0.158, NO, 0
         53, 0.395, 0.158, NO, 0,    54, 0.395, 0.158, NO, 0
         55, 0.395, 0.158, NO, 0,    56, 0.395, 0.158, NO, 0
         57, 0.395, 0.158, NO, 0,    58, 0.395, 0.158, NO, 0
         59, 0.395, 0.158, NO, 0,    60, 0.395, 0.158, NO, 0
         61, 0.395, 0.158, NO, 0,    62, 0.395, 0.158, NO, 0
         63, 0.395, 0.158, NO, 0,    64, 0.395, 0.158, NO, 0
         65, 0.395, 0.158, NO, 0,    66, 0.395, 0.158, NO, 0
         67, 0.395, 0.158, NO, 0,    68, 0.395, 0.158, NO, 0
         69, 0.395, 0.158, NO, 0,    70, 0.395, 0.158, NO, 0
         71, 0.395, 0.158, NO, 0,    72, 0.395, 0.158, NO, 0
         73, 0.395, 0.158, NO, 0,    74, 0.395, 0.158, NO, 0
         75, 0.395, 0.158, NO, 0,    76, 0.395, 0.158, NO, 0
         77, 0.395, 0.158, NO, 0,    78, 0.395, 0.158, 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 & 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,    ; standard (SUBWAY TRAINS)
; NAME=NAME, 1, iTYPE, VARIABLE, nDYNAFAC, dDYNAFAC, dEMPTYCAR
;    bFATI, nLOADFAC, 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,    ; user (Type 2)
; NAME=NAME, 2, iTYPE, Variable, nDYNAFAC, dDYNAFAC, dEMPTYCAR
;    bFATI, nLOADFAC, 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(DB), 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, 3, L1, L2, L3
   NAME=활하중(DL), NO, 1, 1, 0.9, 0.75, 0.75, 0.75, INDEPENDENT, , 0, 2
         1, 1, 1, 1, 1, 0.5, 0.25
         VL, DL-24, 1, 1, 3, L1, L2, L3
   NAME=활하중, NO, 1, 1, 0.9, 0.75, 0.75, 0.75, INDEPENDENT, , 0, 3
         1, 1, 1, 1, 1, 0.5, 0.25
         VL, DB-24, 1, 1, 3, L1, L2, L3
         VL, DL-24, 1, 1, 3, L1, L2, L3
*SM-GROUP    ; Settlement Group
; GRNAME, DISPLACEMENT, NODE_LIST
   A1, -0.01, 158 197
   P1, -0.01, 132 171
   P2, -0.01, 13 53
   A2, -0.01, 39 79
*SMLDCASE    ; Settlement Load Cases
; NAME=NAME, iSMIN, iSMAX, SCALE, DESC ; line 1
;       GRNAME1, GRNAME2, ...            ; from line 2
   NAME=지점침하, 1, 3, 1,
         A1, P1, P2, 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, 슬래브자중, 1
   NAME=합성후, GEN, ACTIVE, 0, 0, , 0, 0
         ST, 방호벽자중, 1, ST, 포장자중, 1
   NAME=고정하중, GEN, ACTIVE, 0, 0, , 0, 0
         CB, 합성전, 1, CB, 합성후, 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, 255, 255, 87, 255, 128, 0, 0, 128, 192
 ST, 슬래브자중, 255, 0, 192, 0, 192, 128, 128, 192, 0
 ST, 방호벽자중, 255, 160, 255, 212, 160, 255, 210, 210, 210
 ST, 포장자중, 93, 255, 87, 163, 255, 160, 0, 192, 192
 ST, 단위모멘트, 192, 192, 192, 163, 255, 160, 0, 128, 192
 SM, 지점침하, 128, 192, 0, 148, 87, 255, 192, 128, 0
 MV, 활하중(DB), 0, 128, 57, 192, 0, 128, 192, 128, 0
 MV, 활하중(DL), 255, 128, 0, 0, 128, 128, 0, 192, 128
 MV, 활하중, 78, 0, 255, 255, 255, 255, 163, 255, 160
 CB, 합성전, 255, 0, 128, 0, 192, 128, 163, 160, 255
 CB, 합성후, 212, 160, 255, 192, 192, 0, 255, 255, 255
 CB, 고정하중, 0, 128, 128, 255, 87, 128, 85, 0, 192
*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, 0,0.0000e+000,      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, 0,0.0000e+000,      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,
*ENDDATA
```

■ 송읍교 부산방향(S4~S7) 상부 input

```
;------------------------------------------------------------------------------
;  MIDAS/Civil Text(MCT) File.
;  Date : 2015/12/30
;------------------------------------------------------------------------------
*VERSION
   8.4.5
*UNIT     : Unit System
; FORCE, LENGTH, HEAT, TEMPER
   KN    , M, KCAL, C
*REBAR-MATL-CODE     ; Rebar Material Code
; CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
 KS01-Civil(RC), SD300, KS01-Civil(RC), SD300
*NODE     ; Nodes
; iNO, X, Y, Z
      1, 0, 0, 0
      2, 0.45, 0, 0
      3, 5, 0, 0
      4, 5.625, 0, 0
      5, 5.725, 0, 0
      6, 10, 0, 0
      7, 11.875, 0, 0
      8, 11.975, 0, 0
      9, 15, 0, 0
     10, 20, 0, 0
     11, 25, 0, 0
     12, 30, 0, 0
     13, 33.125, 0, 0
     14, 33.225, 0, 0
     15, 35, 0, 0
     16, 38.75, 0, 0
     17, 39.375, 0, 0
     18, 39.475, 0, 0
     19, 40, 0, 0
     20, 45, 0, 0
     21, 45.625, 0, 0
     22, 45.725, 0, 0
     23, 47.5, 0, 0
     24, 50, 0, 0
     25, 50.625, 0, 0
     26, 50.725, 0, 0
     27, 55, 0, 0
     28, 60, 0, 0
     29, 60.625, 0, 0
     30, 60.725, 0, 0
     31, 63.75, 0, 0
     32, 65, 0, 0
     33, 66.875, 0, 0
     34, 66.975, 0, 0
     35, 70, 0, 0
     36, 75, 0, 0
     37, 75.625, 0, 0
     38, 75.725, 0, 0
     39, 80, 0, 0
     40, 85, 0, 0
     41, 90, 0, 0
     42, 92.5, 0, 0
     43, 93.125, 0, 0
     44, 93.225, 0, 0
     45, 95, 0, 0
     46, 100, 0, 0
     47, 101.25, 0, 0
     48, 101.875, 0, 0
     49, 101.975, 0, 0
     50, 105, 0, 0
     51, 110, 0, 0
     52, 0, 3.9, 0
     53, 0.45, 3.9, 0
     54, 5, 3.9, 0
     55, 5.625, 3.9, 0
     56, 5.725, 3.9, 0
     57, 10, 3.9, 0
     58, 11.875, 3.9, 0
     59, 11.975, 3.9, 0
     60, 15, 3.9, 0
     61, 20, 3.9, 0
     62, 25, 3.9, 0
     63, 30, 3.9, 0
     64, 33.125, 3.9, 0
     65, 33.225, 3.9, 0
     66, 35, 3.9, 0
     67, 38.75, 3.9, 0
     68, 39.375, 3.9, 0
     69, 39.475, 3.9, 0
     70, 40, 3.9, 0
     71, 45, 3.9, 0
     72, 45.625, 3.9, 0
     73, 45.725, 3.9, 0
     74, 47.5, 3.9, 0
     75, 50, 3.9, 0
     76, 50.625, 3.9, 0
     77, 50.725, 3.9, 0
     78, 55, 3.9, 0
     79, 60, 3.9, 0
     80, 60.625, 3.9, 0
     81, 60.725, 3.9, 0
     82, 63.75, 3.9, 0
     83, 65, 3.9, 0
     84, 66.875, 3.9, 0
     85, 66.975, 3.9, 0
     86, 70, 3.9, 0
     87, 75, 3.9, 0
     88, 75.625, 3.9, 0
     89, 75.725, 3.9, 0
     90, 80, 3.9, 0
     91, 85, 3.9, 0
     92, 90, 3.9, 0
     93, 92.5, 3.9, 0
     94, 93.125, 3.9, 0
     95, 93.225, 3.9, 0
     96, 95, 3.9, 0
     97, 100, 3.9, 0
     98, 101.25, 3.9, 0
     99, 101.875, 3.9, 0
    100, 101.975, 3.9, 0
    101, 105, 3.9, 0
    102, 110, 3.9, 0
    103, 0, 7.8, 0
    104, 0.45, 7.8, 0
    105, 5, 7.8, 0
    106, 5.625, 7.8, 0
    107, 5.725, 7.8, 0
    108, 10, 7.8, 0
    109, 11.875, 7.8, 0
    110, 11.975, 7.8, 0
    111, 15, 7.8, 0
    112, 20, 7.8, 0
    113, 25, 7.8, 0
    114, 30, 7.8, 0
    115, 33.125, 7.8, 0
    116, 33.225, 7.8, 0
    117, 35, 7.8, 0
    118, 38.75, 7.8, 0
    119, 39.375, 7.8, 0
    120, 39.475, 7.8, 0
    121, 40, 7.8, 0
    122, 45, 7.8, 0
    123, 45.625, 7.8, 0
    124, 45.725, 7.8, 0
    125, 47.5, 7.8, 0
    126, 50, 7.8, 0
    127, 50.625, 7.8, 0
    128, 50.725, 7.8, 0
    129, 55, 7.8, 0
    130, 60, 7.8, 0
    131, 60.625, 7.8, 0
    132, 60.725, 7.8, 0
    133, 63.75, 7.8, 0
    134, 65, 7.8, 0
    135, 66.875, 7.8, 0
    136, 66.975, 7.8, 0
    137, 70, 7.8, 0
    138, 75, 7.8, 0
    139, 75.625, 7.8, 0
    140, 75.725, 7.8, 0
    141, 80, 7.8, 0
    142, 85, 7.8, 0
    143, 90, 7.8, 0
    144, 92.5, 7.8, 0
    145, 93.125, 7.8, 0
    146, 93.225, 7.8, 0
    147, 95, 7.8, 0
    148, 100, 7.8, 0
    149, 101.25, 7.8, 0
    150, 101.875, 7.8, 0
    151, 101.975, 7.8, 0
    152, 105, 7.8, 0
    153, 110, 7.8, 0
    154, 220, 7.8, 0
    155, 219.55, 7.8, 0
    156, 215, 7.8, 0
    157, 214.375, 7.8, 0
    158, 214.275, 7.8, 0
    159, 210, 7.8, 0
    160, 208.125, 7.8, 0
    161, 208.025, 7.8, 0
    162, 205, 7.8, 0
    163, 200, 7.8, 0
    164, 195, 7.8, 0
    165, 190, 7.8, 0
    166, 186.875, 7.8, 0
    167, 186.775, 7.8, 0
    168, 185, 7.8, 0
    169, 181.25, 7.8, 0
    170, 180.625, 7.8, 0
    171, 180.525, 7.8, 0
    172, 180, 7.8, 0
    173, 175, 7.8, 0
    174, 174.375, 7.8, 0
    175, 174.275, 7.8, 0
    176, 172.5, 7.8, 0
    177, 170, 7.8, 0
    178, 169.375, 7.8, 0
    179, 169.275, 7.8, 0
    180, 165, 7.8, 0
    181, 160, 7.8, 0
    182, 159.375, 7.8, 0
    183, 159.275, 7.8, 0
    184, 156.25, 7.8, 0
    185, 155, 7.8, 0
    186, 153.125, 7.8, 0
    187, 153.025, 7.8, 0
    188, 150, 7.8, 0
    189, 145, 7.8, 0
    190, 144.375, 7.8, 0
    191, 144.275, 7.8, 0
    192, 140, 7.8, 0
    193, 135, 7.8, 0
    194, 130, 7.8, 0
    195, 127.5, 7.8, 0
    196, 126.875, 7.8, 0
    197, 126.775, 7.8, 0
    198, 125, 7.8, 0
    199, 120, 7.8, 0
    200, 118.75, 7.8, 0
    201, 118.125, 7.8, 0
    202, 118.025, 7.8, 0
    203, 115, 7.8, 0
    204, 220, 0, 0
    205, 219.55, 0, 0
    206, 215, 0, 0
    207, 214.375, 0, 0
    208, 214.275, 0, 0
    209, 210, 0, 0
    210, 208.125, 0, 0
    211, 208.025, 0, 0
    212, 205, 0, 0
    213, 200, 0, 0
    214, 195, 0, 0
    215, 190, 0, 0
    216, 186.875, 0, 0
    217, 186.775, 0, 0
    218, 185, 0, 0
    219, 181.25, 0, 0
    220, 180.625, 0, 0
    221, 180.525, 0, 0
    222, 180, 0, 0
    223, 175, 0, 0
    224, 174.375, 0, 0
    225, 174.275, 0, 0
    226, 172.5, 0, 0
    227, 170, 0, 0
    228, 169.375, 0, 0
    229, 169.275, 0, 0
    230, 165, 0, 0
    231, 160, 0, 0
    232, 159.375, 0, 0
    233, 159.275, 0, 0
    234, 156.25, 0, 0
    235, 155, 0, 0
    236, 153.125, 0, 0
    237, 153.025, 0, 0
    238, 150, 0, 0
    239, 145, 0, 0
    240, 144.375, 0, 0
    241, 144.275, 0, 0
    242, 140, 0, 0
    243, 135, 0, 0
    244, 130, 0, 0
    245, 127.5, 0, 0
    246, 126.875, 0, 0
    247, 126.775, 0, 0
    248, 125, 0, 0
    249, 120, 0, 0
    250, 118.75, 0, 0
    251, 118.125, 0, 0
    252, 118.025, 0, 0
    253, 115, 0, 0
    254, 220, 3.9, 0
    255, 219.55, 3.9, 0
    256, 215, 3.9, 0
    257, 214.375, 3.9, 0
    258, 214.275, 3.9, 0
    259, 210, 3.9, 0
    260, 208.125, 3.9, 0
    261, 208.025, 3.9, 0
    262, 205, 3.9, 0
    263, 200, 3.9, 0
    264, 195, 3.9, 0
    265, 190, 3.9, 0
    266, 186.875, 3.9, 0
    267, 186.775, 3.9, 0
    268, 185, 3.9, 0
    269, 181.25, 3.9, 0
    270, 180.625, 3.9, 0
    271, 180.525, 3.9, 0
    272, 180, 3.9, 0
```

273, 175, 3.9, 0
274, 174.375, 3.9, 0
275, 174.275, 3.9, 0
276, 172.5, 3.9, 0
277, 170, 3.9, 0
278, 169.375, 3.9, 0
279, 169.275, 3.9, 0
280, 165, 3.9, 0
281, 160, 3.9, 0
282, 159.375, 3.9, 0
283, 159.275, 3.9, 0
284, 156.25, 3.9, 0
285, 155, 3.9, 0
286, 153.125, 3.9, 0
287, 153.025, 3.9, 0
288, 150, 3.9, 0
289, 145, 3.9, 0
290, 144.375, 3.9, 0
291, 144.275, 3.9, 0
292, 140, 3.9, 0
293, 135, 3.9, 0
294, 130, 3.9, 0
295, 127.5, 3.9, 0
296, 126.875, 3.9, 0
297, 126.775, 3.9, 0
298, 125, 3.9, 0
299, 120, 3.9, 0
300, 118.75, 3.9, 0
301, 118.125, 3.9, 0
302, 118.025, 3.9, 0
303, 115, 3.9, 0
304, 20.625, 7.8, 0
305, 20.625, 0, 0
306, 20.625, 3.9, 0
307, 82.5, 7.8, 0
308, 82.5, 0, 0
309, 82.5, 3.9, 0
310, 137.5, 7.8, 0
311, 137.5, 0, 0
312, 137.5, 3.9, 0
313, 199.375, 7.8, 0
314, 199.375, 0, 0
315, 199.375, 3.9, 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
; iEL, TYPE, iMAT, iPRO, iN1, iN2, REF, RPX, RPY, RPZ, iSUB, EXVAL ; Frame(Ref. Point)
1, BEAM , 1, 1, 103, 104, 0, 0
2, BEAM , 1, 1, 104, 105, 0, 0
3, BEAM , 1, 1, 105, 106, 0, 0
4, BEAM , 1, 2, 106, 107, 0, 0
5, BEAM , 1, 3, 107, 108, 0, 0
6, BEAM , 1, 3, 108, 109, 0, 0
7, BEAM , 1, 4, 109, 110, 0, 0
8, BEAM , 1, 5, 110, 111, 0, 0
9, BEAM , 1, 5, 111, 112, 0, 0
10, BEAM , 1, 5, 112, 304, 0, 0
11, BEAM , 1, 5, 113, 114, 0, 0
12, BEAM , 1, 5, 114, 115, 0, 0
13, BEAM , 1, 6, 115, 116, 0, 0
14, BEAM , 1, 3, 116, 117, 0, 0
15, BEAM , 1, 3, 117, 118, 0, 0
16, BEAM , 1, 7, 118, 119, 0, 0
17, BEAM , 1, 8, 119, 120, 0, 0
18, BEAM , 1, 9, 120, 121, 0, 0
19, BEAM , 1, 9, 121, 122, 0, 0
20, BEAM , 1, 9, 122, 123, 0, 0
21, BEAM , 1, 10, 123, 124, 0, 0
22, BEAM , 1, 11, 124, 125, 0, 0
23, BEAM , 1, 12, 125, 126, 0, 0
24, BEAM , 1, 12, 126, 127, 0, 0
25, BEAM , 1, 13, 127, 128, 0, 0
26, BEAM , 1, 14, 128, 129, 0, 0
27, BEAM , 1, 14, 129, 130, 0, 0
28, BEAM , 1, 14, 130, 131, 0, 0
29, BEAM , 1, 15, 131, 132, 0, 0
30, BEAM , 1, 12, 132, 133, 0, 0
31, BEAM , 1, 11, 133, 134, 0, 0
32, BEAM , 1, 11, 134, 135, 0, 0
33, BEAM , 1, 16, 135, 136, 0, 0
34, BEAM , 1, 9, 136, 137, 0, 0
35, BEAM , 1, 9, 137, 138, 0, 0
36, BEAM , 1, 17, 138, 139, 0, 0
37, BEAM , 1, 18, 139, 140, 0, 0
38, BEAM , 1, 3, 140, 141, 0, 0
39, BEAM , 1, 3, 141, 307, 0, 0
40, BEAM , 1, 3, 142, 143, 0, 0
41, BEAM , 1, 3, 143, 144, 0, 0
42, BEAM , 1, 7, 144, 145, 0, 0
43, BEAM , 1, 8, 145, 146, 0, 0
44, BEAM , 1, 9, 146, 147, 0, 0
45, BEAM , 1, 9, 147, 148, 0, 0
46, BEAM , 1, 9, 148, 149, 0, 0
47, BEAM , 1, 19, 149, 150, 0, 0
48, BEAM , 1, 20, 150, 151, 0, 0
49, BEAM , 1, 12, 151, 152, 0, 0
50, BEAM , 1, 12, 152, 153, 0, 0
51, BEAM , 1, 22, 1, 2, 0, 0
52, BEAM , 1, 22, 2, 3, 0, 0
53, BEAM , 1, 22, 3, 4, 0, 0
54, BEAM , 1, 23, 4, 5, 0, 0
55, BEAM , 1, 24, 5, 6, 0, 0
56, BEAM , 1, 24, 6, 7, 0, 0
57, BEAM , 1, 25, 7, 8, 0, 0
58, BEAM , 1, 26, 8, 9, 0, 0
59, BEAM , 1, 26, 9, 10, 0, 0
60, BEAM , 1, 26, 10, 305, 0, 0
61, BEAM , 1, 26, 11, 12, 0, 0
62, BEAM , 1, 26, 12, 13, 0, 0
63, BEAM , 1, 27, 13, 14, 0, 0
64, BEAM , 1, 24, 14, 15, 0, 0
65, BEAM , 1, 24, 15, 16, 0, 0
66, BEAM , 1, 28, 16, 17, 0, 0
67, BEAM , 1, 29, 17, 18, 0, 0
68, BEAM , 1, 30, 18, 19, 0, 0
69, BEAM , 1, 30, 19, 20, 0, 0
70, BEAM , 1, 30, 20, 21, 0, 0
71, BEAM , 1, 31, 21, 22, 0, 0
72, BEAM , 1, 32, 22, 23, 0, 0
73, BEAM , 1, 33, 23, 24, 0, 0
74, BEAM , 1, 33, 24, 25, 0, 0
75, BEAM , 1, 34, 25, 26, 0, 0
76, BEAM , 1, 35, 26, 27, 0, 0
77, BEAM , 1, 35, 27, 28, 0, 0
78, BEAM , 1, 35, 28, 29, 0, 0
79, BEAM , 1, 36, 29, 30, 0, 0
80, BEAM , 1, 33, 30, 31, 0, 0
81, BEAM , 1, 32, 31, 32, 0, 0
82, BEAM , 1, 32, 32, 33, 0, 0
83, BEAM , 1, 37, 33, 34, 0, 0
84, BEAM , 1, 30, 34, 35, 0, 0
85, BEAM , 1, 30, 35, 36, 0, 0
86, BEAM , 1, 38, 36, 37, 0, 0
87, BEAM , 1, 39, 37, 38, 0, 0
88, BEAM , 1, 24, 38, 39, 0, 0
89, BEAM , 1, 24, 39, 308, 0, 0
90, BEAM , 1, 24, 40, 41, 0, 0
91, BEAM , 1, 24, 41, 42, 0, 0
92, BEAM , 1, 28, 42, 43, 0, 0
93, BEAM , 1, 29, 43, 44, 0, 0
94, BEAM , 1, 30, 44, 45, 0, 0
95, BEAM , 1, 30, 45, 46, 0, 0
96, BEAM , 1, 30, 46, 47, 0, 0
97, BEAM , 1, 40, 47, 48, 0, 0
98, BEAM , 1, 41, 48, 49, 0, 0
99, BEAM , 1, 33, 49, 50, 0, 0
100, BEAM , 1, 33, 50, 51, 0, 0
101, BEAM , 2, 21, 52, 53, 0, 0
102, BEAM , 2, 21, 53, 54, 0, 0
103, BEAM , 2, 21, 54, 55, 0, 0
104, BEAM , 2, 21, 55, 56, 0, 0
105, BEAM , 2, 21, 56, 57, 0, 0
106, BEAM , 2, 21, 57, 58, 0, 0
107, BEAM , 2, 21, 58, 59, 0, 0
108, BEAM , 2, 21, 59, 60, 0, 0
109, BEAM , 2, 21, 60, 61, 0, 0
110, BEAM , 2, 21, 61, 306, 0, 0
111, BEAM , 2, 21, 62, 63, 0, 0
112, BEAM , 2, 21, 63, 64, 0, 0
113, BEAM , 2, 21, 64, 65, 0, 0
114, BEAM , 2, 21, 65, 66, 0, 0
115, BEAM , 2, 21, 66, 67, 0, 0
116, BEAM , 2, 21, 67, 68, 0, 0
117, BEAM , 2, 21, 68, 69, 0, 0
118, BEAM , 2, 21, 69, 70, 0, 0
119, BEAM , 2, 21, 70, 71, 0, 0
120, BEAM , 2, 21, 71, 72, 0, 0
121, BEAM , 2, 21, 72, 73, 0, 0
122, BEAM , 2, 21, 73, 74, 0, 0
123, BEAM , 2, 21, 74, 75, 0, 0
124, BEAM , 2, 21, 75, 76, 0, 0
125, BEAM , 2, 21, 76, 77, 0, 0
126, BEAM , 2, 21, 77, 78, 0, 0
127, BEAM , 2, 21, 78, 79, 0, 0
128, BEAM , 2, 21, 79, 80, 0, 0
129, BEAM , 2, 21, 80, 81, 0, 0
130, BEAM , 2, 21, 81, 82, 0, 0
131, BEAM , 2, 21, 82, 83, 0, 0
132, BEAM , 2, 21, 83, 84, 0, 0
133, BEAM , 2, 21, 84, 85, 0, 0
134, BEAM , 2, 21, 85, 86, 0, 0
135, BEAM , 2, 21, 86, 87, 0, 0
136, BEAM , 2, 21, 87, 88, 0, 0
137, BEAM , 2, 21, 88, 89, 0, 0
138, BEAM , 2, 21, 89, 90, 0, 0
139, BEAM , 2, 21, 90, 309, 0, 0
140, BEAM , 2, 21, 91, 92, 0, 0
141, BEAM , 2, 21, 92, 93, 0, 0
142, BEAM , 2, 21, 93, 94, 0, 0
143, BEAM , 2, 21, 94, 95, 0, 0
144, BEAM , 2, 21, 95, 96, 0, 0
145, BEAM , 2, 21, 96, 97, 0, 0
146, BEAM , 2, 21, 97, 98, 0, 0
147, BEAM , 2, 21, 98, 99, 0, 0
148, BEAM , 2, 21, 99, 100, 0, 0
149, BEAM , 2, 21, 100, 101, 0, 0
150, BEAM , 2, 21, 101, 102, 0, 0
151, BEAM , 2, 42, 2, 53, 0, 0
152, BEAM , 2, 42, 53, 104, 0, 0
153, BEAM , 2, 42, 51, 102, 0, 0
154, BEAM , 2, 42, 102, 153, 0, 0
155, BEAM , 2, 42, 27, 78, 0, 0
156, BEAM , 2, 42, 78, 129, 0, 0
157, BEAM , 2, 43, 3, 54, 0, 0
158, BEAM , 2, 43, 54, 105, 0, 0
159, BEAM , 2, 43, 6, 57, 0, 0
160, BEAM , 2, 43, 57, 108, 0, 0
161, BEAM , 2, 43, 9, 60, 0, 0
162, BEAM , 2, 43, 60, 111, 0, 0
163, BEAM , 2, 43, 10, 61, 0, 0
164, BEAM , 2, 43, 61, 112, 0, 0
165, BEAM , 2, 43, 11, 62, 0, 0
166, BEAM , 2, 43, 62, 113, 0, 0
167, BEAM , 2, 43, 12, 63, 0, 0
168, BEAM , 2, 43, 63, 114, 0, 0
169, BEAM , 2, 43, 15, 66, 0, 0
170, BEAM , 2, 43, 66, 117, 0, 0
171, BEAM , 2, 43, 19, 70, 0, 0
172, BEAM , 2, 43, 70, 121, 0, 0
173, BEAM , 2, 43, 20, 71, 0, 0
174, BEAM , 2, 43, 71, 122, 0, 0
175, BEAM , 2, 43, 24, 75, 0, 0
176, BEAM , 2, 43, 75, 126, 0, 0
177, BEAM , 2, 43, 28, 79, 0, 0
178, BEAM , 2, 43, 79, 130, 0, 0
179, BEAM , 2, 43, 32, 83, 0, 0
180, BEAM , 2, 43, 83, 134, 0, 0
181, BEAM , 2, 43, 35, 86, 0, 0
182, BEAM , 2, 43, 86, 137, 0, 0
183, BEAM , 2, 43, 36, 87, 0, 0
184, BEAM , 2, 43, 87, 138, 0, 0
185, BEAM , 2, 43, 39, 90, 0, 0
186, BEAM , 2, 43, 90, 141, 0, 0
187, BEAM , 2, 43, 40, 91, 0, 0
188, BEAM , 2, 43, 91, 142, 0, 0
189, BEAM , 2, 43, 41, 92, 0, 0
190, BEAM , 2, 43, 92, 143, 0, 0
191, BEAM , 2, 43, 45, 96, 0, 0
192, BEAM , 2, 43, 96, 147, 0, 0
193, BEAM , 2, 43, 46, 97, 0, 0
194, BEAM , 2, 43, 97, 148, 0, 0
195, BEAM , 2, 43, 50, 101, 0, 0
196, BEAM , 2, 43, 101, 152, 0, 0
197, BEAM , 1, 1, 154, 155, 0, 0
198, BEAM , 1, 1, 155, 156, 0, 0
199, BEAM , 1, 1, 156, 157, 0, 0
200, BEAM , 1, 2, 157, 158, 0, 0
201, BEAM , 1, 3, 158, 159, 0, 0
202, BEAM , 1, 3, 159, 160, 0, 0
203, BEAM , 1, 4, 160, 161, 0, 0
204, BEAM , 1, 5, 161, 162, 0, 0
205, BEAM , 1, 5, 162, 163, 0, 0
206, BEAM , 1, 5, 163, 313, 0, 0
207, BEAM , 1, 5, 164, 165, 0, 0
208, BEAM , 1, 5, 165, 166, 0, 0
209, BEAM , 1, 6, 166, 167, 0, 0
210, BEAM , 1, 3, 167, 168, 0, 0
211, BEAM , 1, 3, 168, 169, 0, 0
212, BEAM , 1, 7, 169, 170, 0, 0
213, BEAM , 1, 8, 170, 171, 0, 0
214, BEAM , 1, 9, 171, 172, 0, 0
215, BEAM , 1, 9, 172, 173, 0, 0
216, BEAM , 1, 9, 173, 174, 0, 0
217, BEAM , 1, 10, 174, 175, 0, 0
218, BEAM , 1, 11, 175, 176, 0, 0
219, BEAM , 1, 12, 176, 177, 0, 0
220, BEAM , 1, 12, 177, 178, 0, 0
221, BEAM , 1, 13, 178, 179, 0, 0
222, BEAM , 1, 14, 179, 180, 0, 0
223, BEAM , 1, 14, 180, 181, 0, 0
224, BEAM , 1, 14, 181, 182, 0, 0
225, BEAM , 1, 15, 182, 183, 0, 0
226, BEAM , 1, 12, 183, 184, 0, 0
227, BEAM , 1, 11, 184, 185, 0, 0
228, BEAM , 1, 11, 185, 186, 0, 0
229, BEAM , 1, 16, 186, 187, 0, 0
230, BEAM , 1, 9, 187, 188, 0, 0
231, BEAM , 1, 9, 188, 189, 0, 0
232, BEAM , 1, 17, 189, 190, 0, 0
233, BEAM , 1, 18, 190, 191, 0, 0
234, BEAM , 1, 3, 191, 192, 0, 0
235, BEAM , 1, 3, 192, 310, 0, 0
236, BEAM , 1, 3, 193, 194, 0, 0
237, BEAM , 1, 3, 194, 195, 0, 0

```
238, BEAM  ,  1,  7,  195,  196,  0,  0
239, BEAM  ,  1,  8,  196,  197,  0,  0
240, BEAM  ,  1,  9,  197,  198,  0,  0
241, BEAM  ,  1,  9,  198,  199,  0,  0
242, BEAM  ,  1,  9,  199,  200,  0,  0
243, BEAM  ,  1,  19,  200,  201,  0,  0
244, BEAM  ,  1,  20,  201,  202,  0,  0
245, BEAM  ,  1,  12,  202,  203,  0,  0
246, BEAM  ,  1,  12,  203,  153,  0,  0
247, BEAM  ,  1,  22,  204,  205,  0,  0
248, BEAM  ,  1,  22,  205,  206,  0,  0
249, BEAM  ,  1,  22,  206,  207,  0,  0
250, BEAM  ,  1,  23,  207,  208,  0,  0
251, BEAM  ,  1,  24,  208,  209,  0,  0
252, BEAM  ,  1,  24,  209,  210,  0,  0
253, BEAM  ,  1,  25,  210,  211,  0,  0
254, BEAM  ,  1,  26,  211,  212,  0,  0
255, BEAM  ,  1,  26,  212,  213,  0,  0
256, BEAM  ,  1,  26,  213,  314,  0,  0
257, BEAM  ,  1,  26,  214,  215,  0,  0
258, BEAM  ,  1,  26,  215,  216,  0,  0
259, BEAM  ,  1,  27,  216,  217,  0,  0
260, BEAM  ,  1,  24,  217,  218,  0,  0
261, BEAM  ,  1,  24,  218,  219,  0,  0
262, BEAM  ,  1,  28,  219,  220,  0,  0
263, BEAM  ,  1,  29,  220,  221,  0,  0
264, BEAM  ,  1,  30,  221,  222,  0,  0
265, BEAM  ,  1,  30,  222,  223,  0,  0
266, BEAM  ,  1,  30,  223,  224,  0,  0
267, BEAM  ,  1,  31,  224,  225,  0,  0
268, BEAM  ,  1,  32,  225,  226,  0,  0
269, BEAM  ,  1,  33,  226,  227,  0,  0
270, BEAM  ,  1,  33,  227,  228,  0,  0
271, BEAM  ,  1,  34,  228,  229,  0,  0
272, BEAM  ,  1,  35,  229,  230,  0,  0
273, BEAM  ,  1,  35,  230,  231,  0,  0
274, BEAM  ,  1,  35,  231,  232,  0,  0
275, BEAM  ,  1,  36,  232,  233,  0,  0
276, BEAM  ,  1,  33,  233,  234,  0,  0
277, BEAM  ,  1,  32,  234,  235,  0,  0
278, BEAM  ,  1,  32,  235,  236,  0,  0
279, BEAM  ,  1,  37,  236,  237,  0,  0
280, BEAM  ,  1,  30,  237,  238,  0,  0
281, BEAM  ,  1,  30,  238,  239,  0,  0
282, BEAM  ,  1,  38,  239,  240,  0,  0
283, BEAM  ,  1,  39,  240,  241,  0,  0
284, BEAM  ,  1,  24,  241,  242,  0,  0
285, BEAM  ,  1,  24,  242,  311,  0,  0
286, BEAM  ,  1,  24,  243,  244,  0,  0
287, BEAM  ,  1,  24,  244,  245,  0,  0
288, BEAM  ,  1,  28,  245,  246,  0,  0
289, BEAM  ,  1,  29,  246,  247,  0,  0
290, BEAM  ,  1,  30,  247,  248,  0,  0
291, BEAM  ,  1,  30,  248,  249,  0,  0
292, BEAM  ,  1,  30,  249,  250,  0,  0
293, BEAM  ,  1,  40,  250,  251,  0,  0
294, BEAM  ,  1,  41,  251,  252,  0,  0
295, BEAM  ,  1,  33,  252,  253,  0,  0
296, BEAM  ,  1,  33,  253,  51,  0,  0
297, BEAM  ,  2,  21,  254,  255,  0,  0
298, BEAM  ,  2,  21,  255,  256,  0,  0
299, BEAM  ,  2,  21,  256,  257,  0,  0
300, BEAM  ,  2,  21,  257,  258,  0,  0
301, BEAM  ,  2,  21,  258,  259,  0,  0
302, BEAM  ,  2,  21,  259,  260,  0,  0
303, BEAM  ,  2,  21,  260,  261,  0,  0
304, BEAM  ,  2,  21,  261,  262,  0,  0
305, BEAM  ,  2,  21,  262,  263,  0,  0
306, BEAM  ,  2,  21,  263,  315,  0,  0
307, BEAM  ,  2,  21,  264,  265,  0,  0
308, BEAM  ,  2,  21,  265,  266,  0,  0
309, BEAM  ,  2,  21,  266,  267,  0,  0
310, BEAM  ,  2,  21,  267,  268,  0,  0
311, BEAM  ,  2,  21,  268,  269,  0,  0
312, BEAM  ,  2,  21,  269,  270,  0,  0
313, BEAM  ,  2,  21,  270,  271,  0,  0
314, BEAM  ,  2,  21,  271,  272,  0,  0
315, BEAM  ,  2,  21,  272,  273,  0,  0
316, BEAM  ,  2,  21,  273,  274,  0,  0
317, BEAM  ,  2,  21,  274,  275,  0,  0
318, BEAM  ,  2,  21,  275,  276,  0,  0
319, BEAM  ,  2,  21,  276,  277,  0,  0
320, BEAM  ,  2,  21,  277,  278,  0,  0
321, BEAM  ,  2,  21,  278,  279,  0,  0
322, BEAM  ,  2,  21,  279,  280,  0,  0
323, BEAM  ,  2,  21,  280,  281,  0,  0
324, BEAM  ,  2,  21,  281,  282,  0,  0
325, BEAM  ,  2,  21,  282,  283,  0,  0
326, BEAM  ,  2,  21,  283,  284,  0,  0
327, BEAM  ,  2,  21,  284,  285,  0,  0
328, BEAM  ,  2,  21,  285,  286,  0,  0
329, BEAM  ,  2,  21,  286,  287,  0,  0
330, BEAM  ,  2,  21,  287,  288,  0,  0
331, BEAM  ,  2,  21,  288,  289,  0,  0
332, BEAM  ,  2,  21,  289,  290,  0,  0
333, BEAM  ,  2,  21,  290,  291,  0,  0
334, BEAM  ,  2,  21,  291,  292,  0,  0
335, BEAM  ,  2,  21,  292,  312,  0,  0
336, BEAM  ,  2,  21,  293,  294,  0,  0
337, BEAM  ,  2,  21,  294,  295,  0,  0
338, BEAM  ,  2,  21,  295,  296,  0,  0
339, BEAM  ,  2,  21,  296,  297,  0,  0
340, BEAM  ,  2,  21,  297,  298,  0,  0
341, BEAM  ,  2,  21,  298,  299,  0,  0
342, BEAM  ,  2,  21,  299,  300,  0,  0
343, BEAM  ,  2,  21,  300,  301,  0,  0
344, BEAM  ,  2,  21,  301,  302,  0,  0
345, BEAM  ,  2,  21,  302,  303,  0,  0
346, BEAM  ,  2,  21,  303,  102,  0,  0
347, BEAM  ,  2,  42,  205,  255,  0,  0
348, BEAM  ,  2,  42,  255,  155,  0,  0
349, BEAM  ,  2,  42,  230,  280,  0,  0
350, BEAM  ,  2,  42,  280,  180,  0,  0
351, BEAM  ,  2,  43,  206,  256,  0,  0
352, BEAM  ,  2,  43,  256,  156,  0,  0
353, BEAM  ,  2,  43,  209,  259,  0,  0
354, BEAM  ,  2,  43,  259,  159,  0,  0
355, BEAM  ,  2,  43,  212,  262,  0,  0
356, BEAM  ,  2,  43,  262,  162,  0,  0
357, BEAM  ,  2,  43,  213,  263,  0,  0
358, BEAM  ,  2,  43,  263,  163,  0,  0
359, BEAM  ,  2,  43,  214,  264,  0,  0
360, BEAM  ,  2,  43,  264,  164,  0,  0
361, BEAM  ,  2,  43,  215,  265,  0,  0
362, BEAM  ,  2,  43,  265,  165,  0,  0
363, BEAM  ,  2,  43,  218,  268,  0,  0
364, BEAM  ,  2,  43,  268,  168,  0,  0
365, BEAM  ,  2,  43,  222,  272,  0,  0
366, BEAM  ,  2,  43,  272,  172,  0,  0
367, BEAM  ,  2,  43,  223,  273,  0,  0
368, BEAM  ,  2,  43,  273,  173,  0,  0
369, BEAM  ,  2,  43,  227,  277,  0,  0
370, BEAM  ,  2,  43,  277,  177,  0,  0
371, BEAM  ,  2,  43,  231,  281,  0,  0
372, BEAM  ,  2,  43,  281,  181,  0,  0
373, BEAM  ,  2,  43,  235,  285,  0,  0
374, BEAM  ,  2,  43,  285,  185,  0,  0
375, BEAM  ,  2,  43,  238,  288,  0,  0
376, BEAM  ,  2,  43,  288,  188,  0,  0
377, BEAM  ,  2,  43,  239,  289,  0,  0
378, BEAM  ,  2,  43,  289,  189,  0,  0
379, BEAM  ,  2,  43,  242,  292,  0,  0
380, BEAM  ,  2,  43,  292,  192,  0,  0
381, BEAM  ,  2,  43,  243,  293,  0,  0
382, BEAM  ,  2,  43,  293,  193,  0,  0
383, BEAM  ,  2,  43,  244,  294,  0,  0
384, BEAM  ,  2,  43,  294,  194,  0,  0
385, BEAM  ,  2,  43,  248,  298,  0,  0
386, BEAM  ,  2,  43,  298,  198,  0,  0
387, BEAM  ,  2,  43,  249,  299,  0,  0
388, BEAM  ,  2,  43,  299,  199,  0,  0
389, BEAM  ,  2,  43,  253,  303,  0,  0
390, BEAM  ,  2,  43,  303,  203,  0,  0
391, BEAM  ,  1,  5,  304,  113,  0,  0
392, BEAM  ,  1,  26,  305,  11,  0,  0
393, BEAM  ,  2,  21,  306,  62,  0,  0
394, BEAM  ,  1,  3,  307,  142,  0,  0
395, BEAM  ,  1,  24,  308,  40,  0,  0
396, BEAM  ,  2,  21,  309,  91,  0,  0
397, BEAM  ,  1,  3,  310,  193,  0,  0
398, BEAM  ,  1,  24,  311,  243,  0,  0
399, BEAM  ,  2,  21,  312,  293,  0,  0
400, BEAM  ,  1,  5,  313,  164,  0,  0
401, BEAM  ,  1,  26,  314,  214,  0,  0
402, BEAM  ,  2,  21,  315,  264,  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
*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
*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 , G1-1          , CC, 0, 0, 0, 0,
0, 0, YES, B
      2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.01
      1, 0, 0, 0, 3, 5
      1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
      5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   2, COMPOSITE , G1-2          , CC, 0, 0, 0, 0,
0, 0, YES, B
      2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.01
      1, 0, 0, 0, 3, 5
      1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
      5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   3, COMPOSITE , G1-3          , CC, 0, 0, 0, 0,
0, 0, YES, B
      2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014
      1, 0, 0, 0, 3, 5
      1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
      5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   4, COMPOSITE , G1-4          , CC, 0, 0, 0, 0,
0, 0, YES, B
      2.7, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.014
      1, 0, 0, 0, 3, 5
      1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
      5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   5, COMPOSITE , G1-5          , CC, 0, 0, 0, 0,
0, 0, YES, B
      2.7, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.02
      1, 0, 0, 0, 3, 5
      1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
      5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   6, COMPOSITE , G1-6          , CC, 0, 0, 0, 0,
0, 0, YES, B
      2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.02
      1, 0, 0, 0, 3, 5
      1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
      5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   7, COMPOSITE , G1-7          , CC, 0, 0, 0, 0,
0, 0, YES, B
      2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014
      1, 0, 0, 0, 5, 5
      1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   8, COMPOSITE , G1-8          , CC, 0, 0, 0, 0,
0, 0, YES, B
      2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.014
      1, 0, 0, 0, 5, 5
      1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   9, COMPOSITE , G1-9          , CC, 0, 0, 0, 0,
0, 0, YES, B
      2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
      1, 0, 0, 0, 5, 5
      1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   10, COMPOSITE , G1-10        , CC, 0, 0, 0, 0,
0, 0, YES, B
      2.7, 0.012, 2.5, 0.1, 0.02, 2.5, 0.1, 0.012
      1, 0, 0, 0, 5, 5
      1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   11, COMPOSITE , G1-11        , CC, 0, 0, 0, 0,
0, 0, YES, B
      2.7, 0.012, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
      1, 0, 0, 0, 5, 5
      1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   12, COMPOSITE , G1-12        , CC, 0, 0, 0, 0,
0, 0, YES, B
      2.7, 0.012, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
      1, 0, 0, 0, 5, 3
      1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
      12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   13, COMPOSITE , G1-13        , CC, 0, 0, 0, 0,
0, 0, YES, B
      2.7, 0.012, 2.5, 0.1, 0.03, 2.5, 0.1, 0.022
      1, 0, 0, 0, 5, 3
      1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
      12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   14, COMPOSITE , G1-14        , CC, 0, 0, 0, 0,
0, 0, YES, B
      2.7, 0.012, 2.5, 0.1, 0.03, 2.5, 0.1, 0.032
      1, 0, 0, 0, 5, 3
      1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
      12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   15, COMPOSITE , G1-15        , CC, 0, 0, 0, 0,
0, 0, YES, B
      2.7, 0.012, 2.5, 0.1, 0.02, 2.5, 0.1, 0.032
      1, 0, 0, 0, 5, 3
      1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
      12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   16, COMPOSITE , G1-16        , CC, 0, 0, 0, 0,
0, 0, YES, B
      2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.022
      1, 0, 0, 0, 5, 5
      1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   17, COMPOSITE , G1-17        , CC, 0, 0, 0, 0,
0, 0, YES, B
      2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
      1, 0, 0, 0, 3, 5
      1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
      5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
      12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   18, COMPOSITE , G1-18        , CC, 0, 0, 0, 0,
0, 0, YES, B
      2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.012
      1, 0, 0, 0, 3, 5
      1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
```

5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
19, COMPOSITE , G1-19 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
20, COMPOSITE , G1-20 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
21, DBUSER , Stringer , CC, 0, 0, 0, 0, 0, 0, YES, H , 2, 0.8, 0.25, 0.01, 0.01, 0.25, 0.01, 0, 0, 0, 0
22, COMPOSITE , G2-1 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.01
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
23, COMPOSITE , G2-2 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.01
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
24, COMPOSITE , G2-3 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
25, COMPOSITE , G2-4 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.014
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
26, COMPOSITE , G2-5 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.02
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
27, COMPOSITE , G2-6 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.02
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
28, COMPOSITE , G2-7 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
29, COMPOSITE , G2-8 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.014
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
30, COMPOSITE , G2-9 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
31, COMPOSITE , G2-10 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.02, 2.5, 0.1, 0.012
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
32, COMPOSITE , G2-11 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
33, COMPOSITE , G2-12 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
34, COMPOSITE , G2-13 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.03, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
35, COMPOSITE , G2-14 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.03, 2.5, 0.1, 0.032
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
36, COMPOSITE , G2-15 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.02, 2.5, 0.1, 0.032
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
37, COMPOSITE , G2-16 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
38, COMPOSITE , G2-17 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
39, COMPOSITE , G2-18 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.012
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
40, COMPOSITE , G2-19 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
41, COMPOSITE , G2-20 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
42, DBUSER , Cross Beam-교대교각, CC, 0, 0, 0, 0, 0, 0, YES, H , 2, 2, 0.3, 0.012, 0.012, 0.3, 0.012, 0, 0, 0, 0
43, DBUSER , Cross Beam-일반 , CC, 0, 0, 0, 0, 0, 0, YES, H , 2, 1.5, 0.3, 0.01, 0.01, 0.3, 0.01, 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
   23, 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
*COMP-GEN-SECT-PSC-DESIGN      ; Composite Section
for PSC Design
; ELEM, (Z1, Z2, Z3, t1, t2, t3, TotT)-I, (Z1, Z2, Z3, t1,
t2, t3, TotT)-J
    5, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
    6, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   10, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   11, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   12, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   15, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   19, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   20, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   26, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   27, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   31, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   32, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   33, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   36, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   40, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   41, 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 , G1-1          , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.01
        1, 0, 0, 0, 3, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,   6.07, 0.2, 0.1,   7.94851, 0, 0.3,
0.18, 1.2, NO, ,
    2, COMPOSITE , G1-2          , CC, 0, 0, 0, 0,
0, 0, YES, B
```

2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.01
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
3, COMPOSITE , G1-3 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
4, COMPOSITE , G1-4 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.014
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
5, COMPOSITE , G1-5 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.02
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
6, COMPOSITE , G1-6 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.02
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
7, COMPOSITE , G1-7 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
8, COMPOSITE , G1-8 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.014
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
9, COMPOSITE , G1-9 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
10, COMPOSITE , G1-10 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.02, 2.5, 0.1, 0.012
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
11, COMPOSITE , G1-11 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
12, COMPOSITE , G1-12 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
13, COMPOSITE , G1-13 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.03, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
14, COMPOSITE , G1-14 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.03, 2.5, 0.1, 0.032
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
15, COMPOSITE , G1-15 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.02, 2.5, 0.1, 0.032
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
16, COMPOSITE , G1-16 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
17, COMPOSITE , G1-17 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
18, COMPOSITE , G1-18 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.012
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
19, COMPOSITE , G1-19 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
20, COMPOSITE , G1-20 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.8, 6.07, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
21, DBUSER , Stringer , CC, 0, 0, 0, 0, 0, 0, YES, H , 2, 0.8, 0.25, 0.01, 0.01, 0.25, 0.01, 0, 0, 0, 0
22, COMPOSITE , G2-1 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.01
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
23, COMPOSITE , G2-2 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.01
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
24, COMPOSITE , G2-3 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
25, COMPOSITE , G2-4 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.014
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.8, 6.08, 0.2, 0.1, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
26, COMPOSITE , G2-5 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.7, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.02
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO

```
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   27, COMPOSITE , G2-6                , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.02
        1, 0, 0, 0, 3, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   28, COMPOSITE , G2-7                , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014
        1, 0, 0, 0, 5, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   29, COMPOSITE , G2-8                , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.014
        1, 0, 0, 0, 5, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   30, COMPOSITE , G2-9                , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
        1, 0, 0, 0, 5, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   31, COMPOSITE , G2-10               , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.02, 2.5, 0.1, 0.012
        1, 0, 0, 0, 5, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   32, COMPOSITE , G2-11               , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
        1, 0, 0, 0, 5, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   33, COMPOSITE , G2-12               , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.02, 2.5, 0.1, 0.022
        1, 0, 0, 0, 5, 3
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   34, COMPOSITE , G2-13               , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.03, 2.5, 0.1, 0.022
        1, 0, 0, 0, 5, 3
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   35, COMPOSITE , G2-14               , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.03, 2.5, 0.1, 0.032
        1, 0, 0, 0, 5, 3
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   36, COMPOSITE , G2-15               , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.02, 2.5, 0.1, 0.032
        1, 0, 0, 0, 5, 3
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   37, COMPOSITE , G2-16               , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.022
        1, 0, 0, 0, 5, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   38, COMPOSITE , G2-17               , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
        1, 0, 0, 0, 3, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   39, COMPOSITE , G2-18               , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.012
        1, 0, 0, 0, 3, 5
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   40, COMPOSITE , G2-19               , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
        1, 0, 0, 0, 5, 3
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   41, COMPOSITE , G2-20               , CC, 0, 0, 0, 0,
0, 0, YES, B
        2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.022
        1, 0, 0, 0, 5, 3
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
        3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
        12.15, 2, 7.8,    6.08, 0.2, 0.1,    7.94851, 0, 0.3,
0.18, 1.2, NO, ,
   42, DBUSER      , Cross Beam-교대교각, CC, 0, 0, 0,
0, 0, 0, YES, H   , 2, 2, 0.3, 0.012, 0.012, 0.3, 0.012, 0,
0, 0, 0
   43, DBUSER      , Cross Beam-일반    , CC, 0, 0, 0, 0,
0, 0, YES, H   , 2, 1.5, 0.3, 0.01, 0.01, 0.3, 0.01, 0, 0,
0, 0
*STLDCASE     ; Static Load Cases
; LCNAME, LCTYPE, DESC
   자중 , D ,
   슬래브 하중, D ,
   "포장, 방호벽 하중", D ,
   단위모멘트, USER,
*CONSTRAINT     ; Supports
; NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP
   51, 111000,
   153, 101000,
   2 27 205 230, 011000,
   104 129 155 180, 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
   151, ELEMENT, 0, 1.35,
   152, ELEMENT, 1.35, 0,
   153, ELEMENT, 0, 1.35,
   154, ELEMENT, 1.35, 0,
   155, ELEMENT, 0, 1.35,
   156, ELEMENT, 1.35, 0,
   157, ELEMENT, 0, 1.35,
   158, ELEMENT, 1.35, 0,
   159, ELEMENT, 0, 1.35,
   160, ELEMENT, 1.35, 0,
   161, ELEMENT, 0, 1.35,
   162, ELEMENT, 1.35, 0,
   163, ELEMENT, 0, 1.35,
   164, ELEMENT, 1.35, 0,
   165, ELEMENT, 0, 1.35,
   166, ELEMENT, 1.35, 0,
   167, ELEMENT, 0, 1.35,
   168, ELEMENT, 1.35, 0,
   169, ELEMENT, 0, 1.35,
   170, ELEMENT, 1.35, 0,
   171, ELEMENT, 0, 1.35,
   172, ELEMENT, 1.35, 0,
   173, ELEMENT, 0, 1.35,
   174, ELEMENT, 1.35, 0,
   175, ELEMENT, 0, 1.35,
   176, ELEMENT, 1.35, 0,
   177, ELEMENT, 0, 1.35,
   178, ELEMENT, 1.35, 0,
   179, ELEMENT, 0, 1.35,
   180, ELEMENT, 1.35, 0,
   181, ELEMENT, 0, 1.35,
   182, ELEMENT, 1.35, 0,
   183, ELEMENT, 0, 1.35,
   184, ELEMENT, 1.35, 0,
   185, ELEMENT, 0, 1.35,
   186, ELEMENT, 1.35, 0,
   187, ELEMENT, 0, 1.35,
   188, ELEMENT, 1.35, 0,
   189, ELEMENT, 0, 1.35,
   190, ELEMENT, 1.35, 0,
   191, ELEMENT, 0, 1.35,
   192, ELEMENT, 1.35, 0,
   193, ELEMENT, 0, 1.35,
   194, ELEMENT, 1.35, 0,
   195, ELEMENT, 0, 1.35,
   196, ELEMENT, 1.35, 0,
   347, ELEMENT, 0, 1.35,
   348, ELEMENT, 1.35, 0,
   349, ELEMENT, 0, 1.35,
   350, ELEMENT, 1.35, 0,
   351, ELEMENT, 0, 1.35,
   352, ELEMENT, 1.35, 0,
   353, ELEMENT, 0, 1.35,
   354, ELEMENT, 1.35, 0,
   355, ELEMENT, 0, 1.35,
   356, ELEMENT, 1.35, 0,
   357, ELEMENT, 0, 1.35,
   358, ELEMENT, 1.35, 0,
   359, ELEMENT, 0, 1.35,
   360, ELEMENT, 1.35, 0,
   361, ELEMENT, 0, 1.35,
   362, ELEMENT, 1.35, 0,
   363, ELEMENT, 0, 1.35,
   364, ELEMENT, 1.35, 0,
   365, ELEMENT, 0, 1.35,
   366, ELEMENT, 1.35, 0,
   367, ELEMENT, 0, 1.35,
   368, ELEMENT, 1.35, 0,
   369, ELEMENT, 0, 1.35,
   370, ELEMENT, 1.35, 0,
   371, ELEMENT, 0, 1.35,
   372, ELEMENT, 1.35, 0,
   373, ELEMENT, 0, 1.35,
   374, ELEMENT, 1.35, 0,
   375, ELEMENT, 0, 1.35,
   376, ELEMENT, 1.35, 0,
   377, ELEMENT, 0, 1.35,
   378, ELEMENT, 1.35, 0,
```

```
   379, ELEMENT, 0, 1.35,
   380, ELEMENT, 1.35, 0,
   381, ELEMENT, 0, 1.35,
   382, ELEMENT, 1.35, 0,
   383, ELEMENT, 0, 1.35,
   384, ELEMENT, 1.35, 0,
   385, ELEMENT, 0, 1.35,
   386, ELEMENT, 1.35, 0,
   387, ELEMENT, 0, 1.35,
   388, ELEMENT, 1.35, 0,
   389, ELEMENT, 0, 1.35,
   390, ELEMENT, 1.35, 0,
*USE-STLD, 자중
; *SELFWEIGHT, X, Y, Z, GROUP
*SELFWEIGHT, 0, 0, -1,
; End of data for load case [자중]
-------------------------
*USE-STLD, 슬래브 하중
*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, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
     1, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
     2, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
     2, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
     3, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
     3, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
     4, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
     4, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
     5, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
     5, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
     6, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
     6, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
     7, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
     7, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
     8, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
     8, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
     9, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
     9, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    10, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    10, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    11, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    11, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    12, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    12, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    13, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    13, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    14, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    14, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    15, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    15, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    16, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    16, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    17, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    17, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    18, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    18, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    19, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    19, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    20, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    20, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    21, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    21, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    22, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    22, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    23, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    23, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    24, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    24, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    25, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    25, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    26, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    26, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    27, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    27, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    28, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    28, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    29, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    29, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    30, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    30, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    31, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    31, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    32, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    32, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    33, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    33, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    34, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    34, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    35, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    35, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    36, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    36, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    37, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    37, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    38, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    38, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    39, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    39, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    40, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    40, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    41, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    41, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    42, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    42, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    43, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    43, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    44, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    44, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    45, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    45, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    46, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    46, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    47, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    47, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    48, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    48, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    49, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    49, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    50, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    50, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    51, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    51, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    52, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    52, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    53, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    53, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    54, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    54, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    55, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    55, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    56, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    56, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    57, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    57, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    58, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    58, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    59, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    59, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    60, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    60, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    61, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    61, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    62, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    62, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    63, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    63, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    64, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    64, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    65, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    65, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    66, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    66, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
```

```
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    67, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    67, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    68, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    68, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    69, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    69, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    70, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    70, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    71, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    71, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    72, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    72, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    73, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    73, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    74, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    74, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    75, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    75, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    76, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    76, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    77, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    77, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    78, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    78, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    79, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    79, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    80, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    80, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    81, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    81, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    82, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    82, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    83, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    83, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    84, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    84, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    85, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    85, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    86, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    86, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    87, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    87, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    88, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    88, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    89, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    89, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    90, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    90, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    91, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    91, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    92, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    92, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    93, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    93, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    94, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    94, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    95, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    95, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    96, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    96, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    97, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    97, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    98, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    98, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    99, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    99, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    100, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
    100, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
    197, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    197, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    198, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    198, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    199, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    199, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    200, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    200, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    201, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    201, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    202, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    202, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    203, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    203, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    204, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    204, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    205, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    205, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    206, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    206, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    207, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    207, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    208, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    208, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    209, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    209, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    210, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    210, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    211, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    211, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    212, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    212, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    213, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    213, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    214, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    214, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    215, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    215, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    216, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    216, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    217, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    217, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    218, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    218, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    219, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    219, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    220, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    220, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    221, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    221, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    222, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    222, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    223, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    223, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    224, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    224, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    225, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    225, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    226, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    226, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    227, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    227, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    228, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    228, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    229, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    229, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    230, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    230, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    231, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    231, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    232, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    232, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    233, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    233, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    234, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
    234, LINE   , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
    235, LINE   , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
```

```
   235, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
   236, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
   236, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
   237, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
   237, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
   238, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
   238, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
   239, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
   239, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
   240, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
   240, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
   241, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
   241, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
   242, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
   242, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
   243, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
   243, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
   244, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
   244, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
   245, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
   245, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
   246, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
   246, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
   247, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   247, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   248, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   248, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   249, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   249, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   250, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   250, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   251, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   251, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   252, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   252, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   253, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   253, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   254, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   254, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   255, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   255, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   256, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   256, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   257, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   257, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   258, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   258, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   259, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   259, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   260, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   260, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   261, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   261, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   262, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   262, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   263, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   263, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   264, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   264, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   265, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   265, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   266, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   266, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   267, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   267, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   268, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   268, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   269, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   269, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   270, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   270, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   271, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   271, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   272, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   272, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   273, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   273, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   274, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   274, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   275, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   275, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   276, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   276, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   277, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   277, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   278, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   278, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   279, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   279, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   280, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   280, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   281, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   281, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   282, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   282, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   283, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   283, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   284, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   284, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   285, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   285, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   286, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   286, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   287, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   287, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   288, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   288, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   289, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   289, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   290, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   290, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   291, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   291, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   292, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   292, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   293, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   293, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   294, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   294, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   295, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   295, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   296, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   296, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   391, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
   391, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
   392, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   392, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   394, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
   394, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
   395, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   395, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   397, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
   397, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
   398, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
   398, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   400, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.25, 1, -45.25, 0, 0, 0, 0, , NO, 0, 0, NO,
   400, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -39.141, 1, -39.141, 0, 0, 0, 0, , NO, 0, 0, NO,
   401, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -45.313, 1, -45.313, 0, 0, 0, 0, , NO, 0, 0, NO,
   401, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 38.97, 1, 38.97, 0, 0, 0, 0, , NO, 0, 0, NO,
; End of data for load case [슬래브 하중]
-------------------------
*USE-STLD, "포장, 방호벽 하중"
*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, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
1, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
1, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
2, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
2, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
2, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
3, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
3, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
3, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
4, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
4, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
4, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
5, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
5, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
5, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
6, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
6, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
6, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
7, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
7, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
7, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
8, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
8, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
8, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
9, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
9, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
9, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
10, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
10, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
10, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
11, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
11, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
11, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
12, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
12, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
12, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
13, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
13, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
13, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
14, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
14, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
14, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
15, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
15, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
15, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
16, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
16, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
16, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
17, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
17, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
17, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
18, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
18, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
18, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
19, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
19, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
19, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
20, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
20, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
20, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
21, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
21, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
21, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
22, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
22, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
22, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
23, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
23, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
23, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
24, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
24, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
24, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
25, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
25, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
25, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
26, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
26, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
26, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
27, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
27, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
27, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
28, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
28, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
28, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
29, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
29, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
29, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
30, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
30, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
30, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
31, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
31, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
31, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
32, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
32, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
32, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
33, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
33, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
33, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
34, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
34, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
34, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
35, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
35, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
35, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
36, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
36, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
36, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
37, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
37, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
37, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
38, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
38, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
38, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
39, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
39, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
39, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
40, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
40, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
40, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
41, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
41, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
41, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
42, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
42, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
42, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
43, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
43, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
43, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
44, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
44, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
44, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
45, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
45, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
45, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
46, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
46, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
46, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
47, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
47, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
47, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
48, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
48, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
48, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
49, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
49, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,

-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
49, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
50, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
50, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
50, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
51, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
51, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
51, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
52, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
52, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
52, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
53, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
53, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
53, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
54, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
54, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
54, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
55, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
55, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
55, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
56, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
56, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
56, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
57, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
57, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
57, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
58, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
58, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
58, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
59, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
59, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
59, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
60, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
60, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
60, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
61, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
61, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
61, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
62, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
62, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
62, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
63, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
63, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
63, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
64, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
64, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
64, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
65, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
65, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
65, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
66, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
66, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
66, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
67, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
67, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
67, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
68, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
68, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
68, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
69, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
69, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
69, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
70, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
70, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
70, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
71, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
71, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
71, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
72, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
72, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
72, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
73, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
73, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
73, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
74, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
74, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
74, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
75, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
75, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
75, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
76, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
76, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
76, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
77, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
77, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
77, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
78, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
78, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
78, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
79, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
79, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
79, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
80, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
80, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
80, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
81, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
81, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
81, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
82, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
82, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
82, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
83, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
83, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
83, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
84, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
84, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
84, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
85, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
85, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
85, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
86, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
86, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
86, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
87, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
87, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
87, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
88, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
88, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
88, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
89, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
89, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
89, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
90, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
90, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
90, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
91, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
91, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
91, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
92, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
92, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
92, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
93, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
93, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
93, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
94, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
94, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
94, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
95, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
95, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
95, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
96, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
96, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
96, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
97, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
97, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
97, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,

98, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −3.007, 1, −3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
98, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
98, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.663, 1, −10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
99, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −3.007, 1, −3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
99, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.663, 1, −10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
99, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
100, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
100, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.663, 1, −10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
100, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −3.007, 1, −3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
197, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
197, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
197, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
198, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
198, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
198, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
199, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
199, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
199, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
200, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
200, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
200, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
201, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
201, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
201, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
202, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
202, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
202, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
203, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
203, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
203, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
204, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
204, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
204, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
205, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
205, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
205, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
206, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
206, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
206, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
207, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
207, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
207, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
208, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
208, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
208, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
209, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
209, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
209, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
210, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
210, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
210, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
211, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
211, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
211, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
212, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
212, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
212, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
213, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
213, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
213, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
214, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
214, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
214, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
215, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
215, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
215, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
216, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
216, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
216, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
217, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
217, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
217, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
218, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
218, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
218, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
219, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
219, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
219, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
220, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
220, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
220, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
221, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
221, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
221, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
222, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
222, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
222, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
223, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
223, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
223, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
224, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
224, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
224, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
225, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
225, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
225, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
226, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
226, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
226, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
227, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
227, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
227, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
228, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
228, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
228, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
229, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
229, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
229, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
230, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
230, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
230, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
231, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
231, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
231, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
232, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
232, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
232, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
233, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
233, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
233, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
234, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
234, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
234, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
235, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
235, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
235, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
236, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
236, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
236, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
237, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
237, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
237, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
238, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
238, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
238, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
239, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
239, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
239, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
240, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
240, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
240, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
241, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
241, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −10.341, 1, −10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
241, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, −6.57, 1, −6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
242, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, −12.779, 1, −12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
242, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,

0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
242, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
243, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
243, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
243, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
244, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
244, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
244, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
245, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
245, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
245, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
246, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
246, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
246, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
247, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
247, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
247, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
248, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
248, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
248, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
249, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
249, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
249, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
250, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
250, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
250, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
251, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
251, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
251, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
252, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
252, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
252, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
253, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
253, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
253, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
254, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
254, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
254, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
255, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
255, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
255, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
256, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
256, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
256, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
257, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
257, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
257, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
258, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
258, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
258, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
259, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
259, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
259, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
260, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
260, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
260, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
261, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
261, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
261, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
262, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
262, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
262, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
263, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
263, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
263, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
264, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
264, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
264, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
265, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
265, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
265, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
266, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
266, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
266, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
267, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
267, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
267, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
268, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
268, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
268, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
269, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
269, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
269, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
270, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
270, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
270, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
271, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
271, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
271, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
272, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
272, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
272, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
273, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
273, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
273, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
274, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
274, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
274, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
275, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
275, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
275, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
276, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
276, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
276, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
277, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
277, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
277, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
278, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
278, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
278, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
279, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
279, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
279, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
280, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
280, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
280, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
281, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
281, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
281, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
282, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
282, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
282, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
283, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
283, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
283, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
284, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
284, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
284, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
285, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
285, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
285, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
286, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
286, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
286, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
287, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
287, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
287, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
288, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
288, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
288, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
289, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
289, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
289, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
290, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
290, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
290, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,

```
   291, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   291, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   291, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   292, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   292, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   292, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   293, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   293, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   293, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   294, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   294, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   294, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   295, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   295, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   295, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   296, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   296, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   296, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   391, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
   391, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   391, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
   392, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   392, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   392, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   394, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   394, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
   394, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
   395, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   395, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   395, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   397, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
   397, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
   397, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   398, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   398, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
   398, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   400, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.341, 1, -10.341, 0, 0, 0, 0, , NO, 0, 0, NO,
   400, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, -12.779, 1, -12.779, 0, 0, 0, 0, , NO, 0, 0, NO,
   400, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -6.57, 1, -6.57, 0, 0, 0, 0, , NO, 0, 0, NO,
   401, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -10.663, 1, -10.663, 0, 0, 0, 0, , NO, 0, 0, NO,
   401, LINE    , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 6.128, 1, 6.128, 0, 0, 0, 0, , NO, 0, 0, NO,
   401, LINE    , UNILOAD, GZ, NO , NO, aDir[1], , , ,
0, -3.007, 1, -3.007, 0, 0, 0, 0, , NO, 0, 0, NO,
; End of data for load case [포장, 방호벽 하중]
--------------------------
*USE-STLD, 단위모멘트
*CONLOAD    ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   2, 0, 0, 0, 0, 1, 0,
 104, 0, 0, 0, 0, 1, 0,
 155, 0, 0, 0, 0, -1, 0,
 205, 0, 0, 0, 0, -1, 0,
; 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, -0.395, 0.157895, YES, 0,      2, -0.395,
0.157895, NO, 0
         3, -0.395, 0.157895, NO, 0,      4, -0.395,
0.157895, NO, 0
         5, -0.395, 0.157895, NO, 0,      6, -0.395,
0.157895, NO, 0
         7, -0.395, 0.157895, NO, 0,      8, -0.395,
0.157895, NO, 0
         9, -0.395, 0.157895, NO, 0,     10, -0.395,
0.157895, NO, 0
       391, -0.395, 0.157895, NO, 0,     11, -0.395,
0.157895, NO, 0
        12, -0.395, 0.157895, NO, 0,     13, -0.395,
0.157895, NO, 0
        14, -0.395, 0.157895, NO, 0,     15, -0.395,
0.157895, NO, 0
        16, -0.395, 0.157895, NO, 0,     17, -0.395,
0.157895, NO, 0
        18, -0.395, 0.157895, NO, 0,     19, -0.395,
0.157895, NO, 0
        20, -0.395, 0.157895, NO, 0,     21, -0.395,
0.157895, NO, 0
        22, -0.395, 0.157895, NO, 0,     23, -0.395,
0.157895, NO, 0
        24, -0.395, 0.157895, NO, 0,     25, -0.395,
0.157895, NO, 0
        26, -0.395, 0.157895, NO, 0,     27, -0.395,
0.157895, NO, 0
        28, -0.395, 0.157895, NO, 0,     29, -0.395,
0.157895, NO, 0
        30, -0.395, 0.157895, NO, 0,     31, -0.395,
0.157895, NO, 0
        32, -0.395, 0.157895, NO, 0,     33, -0.395,
0.157895, NO, 0
        34, -0.395, 0.157895, NO, 0,     35, -0.395,
0.157895, NO, 0
        36, -0.395, 0.157895, NO, 0,     37, -0.395,
0.157895, NO, 0
        38, -0.395, 0.157895, NO, 0,     39, -0.395,
0.157895, NO, 0
       394, -0.395, 0.157895, NO, 0,     40, -0.395,
0.157895, NO, 0
        41, -0.395, 0.157895, NO, 0,     42, -0.395,
0.157895, NO, 0
        43, -0.395, 0.157895, NO, 0,     44, -0.395,
0.157895, NO, 0
        45, -0.395, 0.157895, NO, 0,     46, -0.395,
0.157895, NO, 0
        47, -0.395, 0.157895, NO, 0,     48, -0.395,
0.157895, NO, 0
        49, -0.395, 0.157895, NO, 0,     50, -0.395,
0.157895, NO, 0
       246, -0.395, 0.157895, NO, 0,    245, -0.395,
0.157895, NO, 0
       244, -0.395, 0.157895, NO, 0,    243, -0.395,
0.157895, NO, 0
       242, -0.395, 0.157895, NO, 0,    241, -0.395,
0.157895, NO, 0
       240, -0.395, 0.157895, NO, 0,    239, -0.395,
0.157895, NO, 0
       238, -0.395, 0.157895, NO, 0,    237, -0.395,
0.157895, NO, 0
       236, -0.395, 0.157895, NO, 0,    397, -0.395,
0.157895, NO, 0
       235, -0.395, 0.157895, NO, 0,    234, -0.395,
0.157895, NO, 0
       233, -0.395, 0.157895, NO, 0,    232, -0.395,
0.157895, NO, 0
       231, -0.395, 0.157895, NO, 0,    230, -0.395,
0.157895, NO, 0
       229, -0.395, 0.157895, NO, 0,    228, -0.395,
0.157895, NO, 0
       227, -0.395, 0.157895, NO, 0,    226, -0.395,
0.157895, NO, 0
       225, -0.395, 0.157895, NO, 0,    224, -0.395,
0.157895, NO, 0
       223, -0.395, 0.157895, NO, 0,    222, -0.395,
0.157895, NO, 0
       221, -0.395, 0.157895, NO, 0,    220, -0.395,
0.157895, NO, 0
       219, -0.395, 0.157895, NO, 0,    218, -0.395,
0.157895, NO, 0
       217, -0.395, 0.157895, NO, 0,    216, -0.395,
0.157895, NO, 0
       215, -0.395, 0.157895, NO, 0,    214, -0.395,
0.157895, NO, 0
       213, -0.395, 0.157895, NO, 0,    212, -0.395,
0.157895, NO, 0
       211, -0.395, 0.157895, NO, 0,    210, -0.395,
0.157895, NO, 0
       209, -0.395, 0.157895, NO, 0,    208, -0.395,
0.157895, NO, 0
       207, -0.395, 0.157895, NO, 0,    400, -0.395,
0.157895, NO, 0
       206, -0.395, 0.157895, NO, 0,    205, -0.395,
0.157895, NO, 0
       204, -0.395, 0.157895, NO, 0,    203, -0.395,
0.157895, NO, 0
       202, -0.395, 0.157895, NO, 0,    201, -0.395,
0.157895, NO, 0
       200, -0.395, 0.157895, NO, 0,    199, -0.395,
0.157895, NO, 0
       198, -0.395, 0.157895, NO, 0,    197, -0.395,
0.157895, NO, 0
   NAME=L2, LANE, , 0, 0, BOTH, 3, 1.8, NO
       101, -0.1385, 0.157895, YES, 0,    102,
-0.1385, 0.157895, NO, 0
       103, -0.1385, 0.157895, NO, 0,    104,
-0.1385, 0.157895, NO, 0
       105, -0.1385, 0.157895, NO, 0,    106,
-0.1385, 0.157895, NO, 0
       107, -0.1385, 0.157895, NO, 0,    108,
-0.1385, 0.157895, NO, 0
       109, -0.1385, 0.157895, NO, 0,    110,
-0.1385, 0.157895, NO, 0
       393, -0.1385, 0.157895, NO, 0,    111,
-0.1385, 0.157895, NO, 0
       112, -0.1385, 0.157895, NO, 0,    113,
-0.1385, 0.157895, NO, 0
       114, -0.1385, 0.157895, NO, 0,    115,
-0.1385, 0.157895, NO, 0
       116, -0.1385, 0.157895, NO, 0,    117,
-0.1385, 0.157895, NO, 0
       118, -0.1385, 0.157895, NO, 0,    119,
-0.1385, 0.157895, NO, 0
       120, -0.1385, 0.157895, NO, 0,    121,
-0.1385, 0.157895, NO, 0
       122, -0.1385, 0.157895, NO, 0,    123,
-0.1385, 0.157895, NO, 0
       124, -0.1385, 0.157895, NO, 0,    125,
-0.1385, 0.157895, NO, 0
       126, -0.1385, 0.157895, NO, 0,    127,
-0.1385, 0.157895, NO, 0
       128, -0.1385, 0.157895, NO, 0,    129,
-0.1385, 0.157895, NO, 0
       130, -0.1385, 0.157895, NO, 0,    131,
-0.1385, 0.157895, NO, 0
       132, -0.1385, 0.157895, NO, 0,    133,
-0.1385, 0.157895, NO, 0
       134, -0.1385, 0.157895, NO, 0,    135,
-0.1385, 0.157895, NO, 0
       136, -0.1385, 0.157895, NO, 0,    137,
-0.1385, 0.157895, NO, 0
       138, -0.1385, 0.157895, NO, 0,    139,
-0.1385, 0.157895, NO, 0
       396, -0.1385, 0.157895, NO, 0,    140,
-0.1385, 0.157895, NO, 0
       141, -0.1385, 0.157895, NO, 0,    142,
-0.1385, 0.157895, NO, 0
       143, -0.1385, 0.157895, NO, 0,    144,
-0.1385, 0.157895, NO, 0
       145, -0.1385, 0.157895, NO, 0,    146,
-0.1385, 0.157895, NO, 0
       147, -0.1385, 0.157895, NO, 0,    148,
-0.1385, 0.157895, NO, 0
       149, -0.1385, 0.157895, NO, 0,    150,
-0.1385, 0.157895, NO, 0
       346, -0.1385, 0.157895, NO, 0,    345,
-0.1385, 0.157895, NO, 0
       344, -0.1385, 0.157895, NO, 0,    343,
-0.1385, 0.157895, NO, 0
       342, -0.1385, 0.157895, NO, 0,    341,
-0.1385, 0.157895, NO, 0
       340, -0.1385, 0.157895, NO, 0,    339,
-0.1385, 0.157895, NO, 0
       338, -0.1385, 0.157895, NO, 0,    337,
-0.1385, 0.157895, NO, 0
       336, -0.1385, 0.157895, NO, 0,    399,
-0.1385, 0.157895, NO, 0
       335, -0.1385, 0.157895, NO, 0,    334,
-0.1385, 0.157895, NO, 0
       333, -0.1385, 0.157895, NO, 0,    332,
-0.1385, 0.157895, NO, 0
       331, -0.1385, 0.157895, NO, 0,    330,
-0.1385, 0.157895, NO, 0
       329, -0.1385, 0.157895, NO, 0,    328,
-0.1385, 0.157895, NO, 0
       327, -0.1385, 0.157895, NO, 0,    326,
-0.1385, 0.157895, NO, 0
       325, -0.1385, 0.157895, NO, 0,    324,
-0.1385, 0.157895, NO, 0
       323, -0.1385, 0.157895, NO, 0,    322,
-0.1385, 0.157895, NO, 0
       321, -0.1385, 0.157895, NO, 0,    320,
-0.1385, 0.157895, NO, 0
       319, -0.1385, 0.157895, NO, 0,    318,
-0.1385, 0.157895, NO, 0
```

```
        317,  -0.1385,  0.157895,  NO,  0,      316,
-0.1385, 0.157895, NO, 0
        315,  -0.1385,  0.157895,  NO,  0,      314,
-0.1385, 0.157895, NO, 0
        313,  -0.1385,  0.157895,  NO,  0,      312,
-0.1385, 0.157895, NO, 0
        311,  -0.1385,  0.157895,  NO,  0,      310,
-0.1385, 0.157895, NO, 0
        309,  -0.1385,  0.157895,  NO,  0,      308,
-0.1385, 0.157895, NO, 0
        307,  -0.1385,  0.157895,  NO,  0,      402,
-0.1385, 0.157895, NO, 0
        306,  -0.1385,  0.157895,  NO,  0,      305,
-0.1385, 0.157895, NO, 0
        304,  -0.1385,  0.157895,  NO,  0,      303,
-0.1385, 0.157895, NO, 0
        302,  -0.1385,  0.157895,  NO,  0,      301,
-0.1385, 0.157895, NO, 0
        300,  -0.1385,  0.157895,  NO,  0,      299,
-0.1385, 0.157895, NO, 0
        298,  -0.1385,  0.157895,  NO,  0,      297,
-0.1385, 0.157895, NO, 0
   NAME=L3, LANE, , 0, 0, BOTH, 3, 1.8, NO
        51, -1.695, 0.157895, YES, 0,     52, -1.695,
0.157895, NO, 0
        53, -1.695, 0.157895, NO, 0,     54, -1.695,
0.157895, NO, 0
        55, -1.695, 0.157895, NO, 0,     56, -1.695,
0.157895, NO, 0
        57, -1.695, 0.157895, NO, 0,     58, -1.695,
0.157895, NO, 0
        59, -1.695, 0.157895, NO, 0,     60, -1.695,
0.157895, NO, 0
       392, -1.695, 0.157895, NO, 0,     61, -1.695,
0.157895, NO, 0
        62, -1.695, 0.157895, NO, 0,     63, -1.695,
0.157895, NO, 0
        64, -1.695, 0.157895, NO, 0,     65, -1.695,
0.157895, NO, 0
        66, -1.695, 0.157895, NO, 0,     67, -1.695,
0.157895, NO, 0
        68, -1.695, 0.157895, NO, 0,     69, -1.695,
0.157895, NO, 0
        70, -1.695, 0.157895, NO, 0,     71, -1.695,
0.157895, NO, 0
        72, -1.695, 0.157895, NO, 0,     73, -1.695,
0.157895, NO, 0
        74, -1.695, 0.157895, NO, 0,     75, -1.695,
0.157895, NO, 0
        76, -1.695, 0.157895, NO, 0,     77, -1.695,
0.157895, NO, 0
        78, -1.695, 0.157895, NO, 0,     79, -1.695,
0.157895, NO, 0
        80, -1.695, 0.157895, NO, 0,     81, -1.695,
0.157895, NO, 0
        82, -1.695, 0.157895, NO, 0,     83, -1.695,
0.157895, NO, 0
        84, -1.695, 0.157895, NO, 0,     85, -1.695,
0.157895, NO, 0
        86, -1.695, 0.157895, NO, 0,     87, -1.695,
0.157895, NO, 0
        88, -1.695, 0.157895, NO, 0,     89, -1.695,
0.157895, NO, 0
       395, -1.695, 0.157895, NO, 0,     90, -1.695,
0.157895, NO, 0
        91, -1.695, 0.157895, NO, 0,     92, -1.695,
0.157895, NO, 0
        93, -1.695, 0.157895, NO, 0,     94, -1.695,
0.157895, NO, 0
        95, -1.695, 0.157895, NO, 0,     96, -1.695,
0.157895, NO, 0
        97, -1.695, 0.157895, NO, 0,     98, -1.695,
0.157895, NO, 0
        99, -1.695, 0.157895, NO, 0,    100, -1.695,
0.157895, NO, 0
       296, -1.695, 0.157895, NO, 0,    295, -1.695,
0.157895, NO, 0
       294, -1.695, 0.157895, NO, 0,    293, -1.695,
0.157895, NO, 0
       292, -1.695, 0.157895, NO, 0,    291, -1.695,
0.157895, NO, 0
       290, -1.695, 0.157895, NO, 0,    289, -1.695,
0.157895, NO, 0
       288, -1.695, 0.157895, NO, 0,    287, -1.695,
0.157895, NO, 0
       286, -1.695, 0.157895, NO, 0,    398, -1.695,
0.157895, NO, 0
       285, -1.695, 0.157895, NO, 0,    284, -1.695,
0.157895, NO, 0
       283, -1.695, 0.157895, NO, 0,    282, -1.695,
0.157895, NO, 0
       281, -1.695, 0.157895, NO, 0,    280, -1.695,
0.157895, NO, 0
       279, -1.695, 0.157895, NO, 0,    278, -1.695,
0.157895, NO, 0
       277, -1.695, 0.157895, NO, 0,    276, -1.695,
0.157895, NO, 0
       275, -1.695, 0.157895, NO, 0,    274, -1.695,
0.157895, NO, 0
       273, -1.695, 0.157895, NO, 0,    272, -1.695,
0.157895, NO, 0
       271, -1.695, 0.157895, NO, 0,    270, -1.695,
0.157895, NO, 0
       269, -1.695, 0.157895, NO, 0,    268, -1.695,
0.157895, NO, 0
       267, -1.695, 0.157895, NO, 0,    266, -1.695,
0.157895, NO, 0
       265, -1.695, 0.157895, NO, 0,    264, -1.695,
0.157895, NO, 0
       263, -1.695, 0.157895, NO, 0,    262, -1.695,
0.157895, NO, 0
       261, -1.695, 0.157895, NO, 0,    260, -1.695,
0.157895, NO, 0
       259, -1.695, 0.157895, NO, 0,    258, -1.695,
0.157895, NO, 0
       257, -1.695, 0.157895, NO, 0,    401, -1.695,
0.157895, NO, 0
       256, -1.695, 0.157895, NO, 0,    255, -1.695,
0.157895, NO, 0
       254, -1.695, 0.157895, NO, 0,    253, -1.695,
0.157895, NO, 0
       252, -1.695, 0.157895, NO, 0,    251, -1.695,
0.157895, NO, 0
       250, -1.695, 0.157895, NO, 0,    249, -1.695,
0.157895, NO, 0
       248, -1.695, 0.157895, NO, 0,    247, -1.695,
0.157895, 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 & 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,
                    ; standard (SUBWAY TRAINS)
; NAME=NAME, 1, iTYPE, VARIABLE, nDYNAFAC,
dDYNAFAC, dEMPTYCAR
;                    bFATI, nLOADFAC, 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,
                    ; user (Type 2)
;  NAME=NAME,  2,  iTYPE,  Variable,  nDYNAFAC,
dDYNAFAC, dEMPTYCAR
;                    bFATI, nLOADFAC, 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, 3, L1, L2, L3
         VL, DL-24, 1, 1, 3, L1, L2, L3
   NAME=활하중(DB),  NO,  1,  1,  0.9,  0.75,  0.75,  0.75,
INDEPENDENT, , 0, 2
         1, 1, 1, 1, 1, 0.5, 0.25
         VL, DB-24, 1, 1, 3, L1, L2, L3
   NAME=활하중(DL),  NO,  1,  1,  0.9,  0.75,  0.75,  0.75,
INDEPENDENT, , 0, 3
         1, 1, 1, 1, 1, 0.5, 0.25
         VL, DL-24, 1, 1, 3, L1, L2, L3
*SM-GROUP    ; Settlement Group
; GRNAME, DISPLACEMENT, NODE_LIST
   A1, -0.01, 2 104
   P1, -0.01, 27 129
   P2, -0.01, 51 153
   P3, -0.01, 180 230
   A2, -0.01, 155 205
*SMLDCASE    ; Settlement Load Cases
; NAME=NAME, iSMIN, iSMAX, SCALE, DESC ; line 1
;       GRNAME1, GRNAME2, ...          ; from line 2
   NAME=지점침하, 1, 4, 1,
         A1, P1, P2, P3, 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, 슬래브 하중, 1
   NAME=합성후, GEN, ACTIVE, 0, 0, , 0, 0
         ST, "포장, 방호벽 하중", 1
   NAME=고정하중, GEN, ACTIVE, 0, 0, , 0, 0
         CB, 합성전, 1, CB, 합성후, 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, 192, 128, 0, 212, 160, 255, 0, 128, 255
 ST, 슬래브 하중, 146, 0, 255, 0, 128, 57, 192, 0, 128
 ST, "포장, 방호벽 하중", 255, 255, 255, 210, 210, 210,
192, 128, 0
 ST, 단위모멘트, 0, 128, 192, 0, 157, 192, 163, 255, 160
 MV, 활하중, 255, 255, 87, 255, 87, 87, 163, 255, 160
 CB, 합성전, 210, 210, 210, 160, 192, 255, 255, 87, 87
 CB, 합성후, 192, 192, 192, 255, 0, 128, 0, 157, 192
 SM, 지점침하, 255, 192, 160, 0, 128, 255, 255, 192, 160
 MV, 활하중(DB), 148, 87, 255, 85, 0, 192, 255, 0, 128
 MV, 활하중(DL), 160, 255, 255, 255, 255, 87, 192, 0,
128
 CB, 고정하중, 0, 128, 128, 255, 255, 255, 0, 128, 128
*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, 0,0, 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, 0,0, 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=5, YES
 0, 0, 0, 0
   SECT=6, YES
 0, 0, 0, 0
   SECT=10, YES
 0, 0, 0, 0
   SECT=11, YES
 0, 0, 0, 0
   SECT=12, YES
 0, 0, 0, 0
   SECT=15, YES
 0, 0, 0, 0
   SECT=19, YES
 0, 0, 0, 0
   SECT=20, YES
 0, 0, 0, 0
   SECT=26, YES
 0, 0, 0, 0
   SECT=27, YES
 0, 0, 0, 0
   SECT=31, YES
 0, 0, 0, 0
   SECT=32, YES
 0, 0, 0, 0
   SECT=33, YES
 0, 0, 0, 0
   SECT=36, YES
 0, 0, 0, 0
   SECT=40, YES
 0, 0, 0, 0
   SECT=41, 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=5, YES
 0, 0
   SECT=6, YES
 0, 0
   SECT=10, YES
 0, 0
   SECT=11, YES
 0, 0
   SECT=12, YES
 0, 0
   SECT=15, YES
 0, 0
   SECT=19, YES
 0, 0
   SECT=20, YES
 0, 0
   SECT=26, YES
 0, 0
   SECT=27, YES
 0, 0
   SECT=31, YES
 0, 0
   SECT=32, YES
 0, 0
   SECT=33, YES
 0, 0
   SECT=36, YES
 0, 0
   SECT=40, YES
 0, 0
   SECT=41, YES
 0, 0
*ENDDATA
```

■ 송읍교 대구방향(P2) 하부 input

```
;---------------------------------------------------------------------------
; MIDAS/Civil Text(MCT) File.
; Date : 2016/1/8
;---------------------------------------------------------------------------
*VERSION
   8.4.5
*UNIT     ; Unit System
; FORCE, LENGTH, HEAT, TEMPER
   KN    , M, KCAL, C
*REBAR-MATL-CODE     ; Rebar Material Code
; CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
 KS01-Civil(RC), SD300, KS01-Civil(RC), SD300
*NODE     ; Nodes
; iNO, X, Y, Z
     1, 0, 0, 15.208
     2, 1.8, 0, 15.208
     3, 1.9, 0, 15.208
     4, 2.9, 0, 15.208
     5, 4, 0, 15.208
     6, 5.1, 0, 15.208
     7, 6.6, 0, 15.208
     8, 7.6, 0, 15.208
     9, 8.7, 0, 15.208
    10, 9.7, 0, 15.208
    11, 9.8, 0, 15.208
    12, 11.6, 0, 15.208
    13, 2.9, 0, 0
    14, 8.7, 0, 0
    15, 2.9, 0, 14.208
    16, 8.7, 0, 14.208
*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
; iEL, TYPE, iMAT, iPRO, iN1, iN2, REF, RPX, RPY, RPZ, iSUB, EXVAL  ; Frame(Ref. Point)
     1, BEAM  ,     1,     1,     1,     2,     0,     0
     2, BEAM  ,     1,     2,     2,     3,     0,     0
     3, BEAM  ,     1,     2,     3,     4,     0,     0
     4, BEAM  ,     1,     2,     4,     5,     0,     0
     5, BEAM  ,     1,     2,     5,     6,     0,     0
     6, BEAM  ,     1,     2,     6,     7,     0,     0
     7, BEAM  ,     1,     2,     7,     8,     0,     0
     8, BEAM  ,     1,     2,     8,     9,     0,     0
     9, BEAM  ,     1,     2,     9,    10,     0,     0
    10, BEAM  ,     1,     2,    10,    11,     0,     0
    11, BEAM  ,     1,     1,    11,    12,     0,     0
    12, BEAM  ,     1,     3,    15,    13,     0,     0
    13, BEAM  ,     1,     3,    16,    14,     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, CONC , C24                 , 0, 0, , C, NO, 0.05, 1, KS01-Civil(RC), KCI-2012    , C24
*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
*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, DBUSER    , 코핑1              , CC, 0, 0, 0, 0, 0, 0, YES, SB , 2, 1.145, 2.5, 0, 0, 0, 0, 0, 0, 0, 0
    2, DBUSER    , 코핑2              , CC, 0, 0, 0, 0, 0, 0, YES, SB , 2, 2, 2.5, 0, 0, 0, 0, 0, 0, 0, 0
    3, DBUSER    , 기둥               , CC, 0, 0, 0, 0, 0, 0, YES, SR , 2, 2.2, 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
*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, DBUSER   , 코핑1          , CC, 0, 0, 0, 0, 0, 0, YES, SB , 2, 1.145, 2.5, 0, 0, 0, 0, 0, 0, 0, 0
   2, DBUSER   , 코핑2          , CC, 0, 0, 0, 0, 0, 0, YES, SB , 2, 2, 2.5, 0, 0, 0, 0, 0, 0, 0, 0
   3, DBUSER   , 기둥           , CC, 0, 0, 0, 0, 0, 0, YES, SR , 2, 2.2, 0, 0, 0, 0, 0, 0, 0, 0, 0
*STLDCASE   ; Static Load Cases
; LCNAME, LCTYPE, DESC
   D    , USER,
   L    , USER,
   W-TR , USER,
   WL   , USER,
   W-LO , USER,
*CONSTRAINT   ; Supports
; NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP
   13 14, 111111,
*RIGIDLINK   ; Rigid Link
; M-NODE, DOF, S-NODE LIST, GROUP
     4, 111111, 15,
     9, 111111, 16,
*USE-STLD, D
; *SELFWEIGHT, X, Y, Z, GROUP
*SELFWEIGHT, 0, 0, -1,
*CONLOAD   ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   3, 0, 0, -4650.95, 0, 0, 0,
  10, 0, 0, -4847.98, 0, 0, 0,
; End of data for load case [D] -------------------------
*USE-STLD, L
*CONLOAD   ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   3, 0, 0, -688.919, 0, 0, 0,
  10, 0, 0, -894.698, 0, 0, 0,
; End of data for load case [L] -------------------------
*USE-STLD, W-TR
*CONLOAD   ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   1, 16.755, 0, 0, 0, 0, 0,
   3, 252.444, 0, 0, 0, 749.002, 0,
  10, 252.444, 0, 0, 0, 749.002, 0,
*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
    12, LINE   , UNILOAD, GX, NO , NO, aDir[1], , , , 0, 3.3, 1, 3.3, 0, 0, 0, 0, , NO, 0, 0, NO,
    13, LINE   , UNILOAD, GX, NO , NO, aDir[1], , , , 0, 1.65, 1, 1.65, 0, 0, 0, 0, , NO, 0, 0, NO,
; End of data for load case [W-TR] -------------------------
*USE-STLD, WL
*CONLOAD   ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   3, 28.75, 0, 0, 0, 160.914, 0,
  10, 28.75, 0, 0, 0, 160.914, 0,
; End of data for load case [WL] -------------------------
*USE-STLD, W-LO
*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, GY, NO , NO, aDir[1], , , , 0, 6.6636, 1, 6.6636, 0, 0, 0, 0, , NO, 0, 0, NO,
     2, LINE   , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 42.943, 1, 42.943, 0, 0, 0, 0, , NO, 0, 0, NO,
     3, LINE   , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 42.943, 1, 42.943, 0, 0, 0, 0, , NO, 0, 0, NO,
     4, LINE   , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 42.943, 1, 42.943, 0, 0, 0, 0, , NO, 0, 0, NO,
     5, LINE   , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 42.943, 1, 42.943, 0, 0, 0, 0, , NO, 0, 0, NO,
     6, LINE   , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 42.943, 1, 42.943, 0, 0, 0, 0, , NO, 0, 0, NO,
     7, LINE   , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 42.943, 1, 42.943, 0, 0, 0, 0, , NO, 0, 0, NO,
     8, LINE   , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 42.943, 1, 42.943, 0, 0, 0, 0, , NO, 0, 0, NO,
     9, LINE   , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 42.943, 1, 42.943, 0, 0, 0, 0, , NO, 0, 0, NO,
    10, LINE   , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 42.943, 1, 42.943, 0, 0, 0, 0, , NO, 0, 0, NO,
    11, LINE   , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 6.6636, 1, 6.6636, 0, 0, 0, 0, , NO, 0, 0, NO,
    12, LINE   , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 3.3, 1, 3.3, 0, 0, 0, 0, , NO, 0, 0, NO,
    13, LINE   , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 3.3, 1, 3.3, 0, 0, 0, 0, , NO, 0, 0, NO,
; End of data for load case [W-LO] -------------------------
*LOADCOMB   ; Combinations
; NAME=NAME, KIND, ACTIVE, bES, iTYPE, DESC, iSERV-TYPE, nLCOMTYPE  ; line 1
; ANAL1, LCNAME1, FACT1, ...  ; from line 2
   NAME=ULB01, GEN, ACTIVE, 0, 0, , 0, 0
        ST, D, 1.3, ST, L, 2.15
   NAME=ULB04, GEN, ACTIVE, 0, 0, , 0, 0
        ST, D, 1.3, ST, L, 1.3, ST, W-TR, 0.65, ST, WL, 1.3
   NAME=ULB03(교직), GEN, ACTIVE, 0, 0, , 0, 0
        ST, D, 1.3, ST, W-TR, 1.3
   NAME=ULB04(교축), GEN, ACTIVE, 0, 0, , 0, 0
        ST, D, 1.3, ST, L, 1.3, ST, W-LO, 0.65
   NAME=ULB04(교직), GEN, ACTIVE, 0, 0, , 0, 0
        ST, D, 1.3, ST, L, 1.3, ST, W-TR, 0.65, ST, WL, 1.3
*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, D, 255, 255, 255, 192, 72, 0, 255, 87, 128
 ST, L, 163, 160, 255, 93, 255, 87, 148, 87, 255
 ST, W-TR, 255, 192, 160, 85, 0, 192, 255, 255, 255
 ST, WL, 192, 192, 0, 0, 192, 128, 0, 157, 192
 ST, W-LO, 255, 0, 128, 255, 192, 87, 163, 255, 160
 CB, ULB01, 163, 160, 255, 192, 0, 192, 160, 192, 255
 CB, ULB04, 255, 0, 192, 255, 160, 255, 192, 72, 0
 CB, ULB03(교직), 128, 192, 0, 85, 0, 192, 0, 128, 255
 CB, ULB04(교축), 78, 0, 255, 146, 0, 255, 160, 192, 255
 CB, ULB04(교직), 192, 72, 0, 160, 192, 255, 0, 128, 128
*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, CONC , C24            , 1, KS01-Civil(RC), ,C24           , NO, 1, , , , 0, 0, 16800, NO, 0, 0,     ,     ,     , 0, NO, 1, , , , 0, 0, 0
*ENDDATA
```

■ 송읍교 대구방향(P6) 하부 input

```
;------------------------------------------------------------------------------
;  MIDAS/Civil Text(MCT) File.
;  Date : 2016/1/8
;------------------------------------------------------------------------------
*VERSION
   8.4.5
*UNIT    ; Unit System
; FORCE, LENGTH, HEAT, TEMPER
   KN    , M, KCAL, C
*REBAR-MATL-CODE    ; Rebar Material Code
; CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
 KS01-Civil(RC), SD300, KS01-Civil(RC), SD300
*NODE    ; Nodes
; iNO, X, Y, Z
     1, 0, 0, 15.9
     2, 1.8, 0, 15.9
     3, 1.9, 0, 15.9
     4, 2.9, 0, 15.9
     5, 4, 0, 15.9
     6, 5.1, 0, 15.9
     7, 6.6, 0, 15.9
     8, 7.6, 0, 15.9
     9, 8.7, 0, 15.9
    10, 9.7, 0, 15.9
    11, 9.8, 0, 15.9
    12, 11.6, 0, 15.9
    13, 2.9, 0, 0
    14, 8.7, 0, 0
    15, 2.9, 0, 14.9
    16, 8.7, 0, 14.9
*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
; iEL, TYPE, iMAT, iPRO, iN1, iN2, REF, RPX, RPY, RPZ, iSUB, EXVAL  ; Frame(Ref. Point)
     1, BEAM  ,    1,    1,    1,    2,    0,    0
     2, BEAM  ,    1,    2,    2,    3,    0,    0
     3, BEAM  ,    1,    2,    3,    4,    0,    0
     4, BEAM  ,    1,    2,    4,    5,    0,    0
     5, BEAM  ,    1,    2,    5,    6,    0,    0
     6, BEAM  ,    1,    2,    6,    7,    0,    0
     7, BEAM  ,    1,    2,    7,    8,    0,    0
     8, BEAM  ,    1,    2,    8,    9,    0,    0
     9, BEAM  ,    1,    2,    9,   10,    0,    0
    10, BEAM  ,    1,    2,   10,   11,    0,    0
    11, BEAM  ,    1,    1,   11,   12,    0,    0
    12, BEAM  ,    1,    3,   15,   13,    0,    0
    13, BEAM  ,    1,    3,   16,   14,    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, CONC , C24                , 0, 0, , C, NO, 0.05, 1, KS01-Civil(RC), KCI-2012    , C24
*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
*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, DBUSER    , 코핑1              , CC, 0, 0, 0, 0, 0, 0, YES, SB , 2, 1.145, 2.5, 0, 0, 0, 0, 0, 0, 0, 0
     2, DBUSER    , 코핑2              , CC, 0, 0, 0, 0, 0, 0, YES, SB , 2, 2, 2.5, 0, 0, 0, 0, 0, 0, 0, 0
     3, DBUSER    , 기둥               , CC, 0, 0, 0, 0, 0, 0, YES, SR , 2, 2.2, 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
*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, DBUSER , 코핑1 , CC, 0, 0, 0, 0, 0, 0, YES, SB , 2, 1.145, 2.5, 0, 0, 0, 0, 0, 0, 0, 0
   2, DBUSER , 코핑2 , CC, 0, 0, 0, 0, 0, 0, YES, SB , 2, 2, 2.5, 0, 0, 0, 0, 0, 0, 0, 0
   3, DBUSER , 기둥 , CC, 0, 0, 0, 0, 0, 0, YES, SR , 2, 2.2, 0, 0, 0, 0, 0, 0, 0, 0, 0
*STLDCASE ; Static Load Cases
; LCNAME, LCTYPE, DESC
   D , USER,
   L , USER,
   W-TR , USER,
   WL , USER,
   W-LO , USER,
*CONSTRAINT ; Supports
; NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP
   13 14, 111111,
*RIGIDLINK ; Rigid Link
; M-NODE, DOF, S-NODE LIST, GROUP
   4, 111111, 15,
   9, 111111, 16,
*USE-STLD, D
; *SELFWEIGHT, X, Y, Z, GROUP
*SELFWEIGHT, 0, 0, -1,
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   3, 0, 0, -4836.86, 0, 0, 0,
  10, 0, 0, -4645.84, 0, 0, 0,
;  End of data for load case [D]
--------------------------
*USE-STLD, L
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   3, 0, 0, -786.441, 0, 0, 0,
  10, 0, 0, -631.203, 0, 0, 0,
;  End of data for load case [L]
--------------------------
*USE-STLD, W-TR
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   1, 16.755, 0, 0, 0, 0, 0,
   3, 241.468, 0, 0, 0, 716.437, 0,
  10, 241.468, 0, 0, 0, 716.437, 0,
*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
   12, LINE , UNILOAD, GX, NO , NO, aDir[1], , , , 0, 3.3, 1, 3.3, 0, 0, 0, 0, , NO, 0, 0, NO,
   13, LINE , UNILOAD, GX, NO , NO, aDir[1], , , , 0, 1.65, 1, 1.65, 0, 0, 0, 0, , NO, 0, 0, NO,
;  End of data for load case [W-TR]
--------------------------
*USE-STLD, WL
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   3, 27.5, 0, 0, 0, 153.918, 0,
  10, 27.5, 0, 0, 0, 153.918, 0,
;  End of data for load case [WL]
--------------------------
*USE-STLD, W-LO
*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
   12, LINE , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 3.3, 1, 3.3, 0, 0, 0, 0, , NO, 0, 0, NO,
   13, LINE , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 3.3, 1, 3.3, 0, 0, 0, 0, , NO, 0, 0, NO,
;  End of data for load case [W-LO]
--------------------------
*LOADCOMB ; Combinations
; NAME=NAME, KIND, ACTIVE, bES, iTYPE, DESC, iSERV-TYPE, nLCOMTYPE ; line 1
;  ANAL1, LCNAME1, FACT1, ...  ; from line 2
   NAME=ULB01, GEN, ACTIVE, 0, 0, , 0, 0
      ST, D, 1.3, ST, L, 2.15
   NAME=ULB04, GEN, ACTIVE, 0, 0, , 0, 0
      ST, D, 1.3, ST, L, 1.3, ST, W-TR, 0.65, ST, WL, 1.3
   NAME=ULB03(교직), GEN, ACTIVE, 0, 0, , 0, 0
      ST, D, 1.3, ST, W-TR, 1.3
   NAME=ULB03(교축), GEN, ACTIVE, 0, 0, , 0, 0
      ST, D, 1.3, ST, W-LO, 1.3
*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, D, 255, 255, 255, 192, 72, 0, 255, 87, 128
 ST, L, 163, 160, 255, 93, 255, 87, 148, 87, 255
 ST, W-TR, 255, 192, 160, 85, 0, 192, 255, 255, 255
 ST, WL, 192, 192, 0, 0, 192, 128, 0, 157, 192
 ST, W-LO, 255, 0, 128, 255, 192, 87, 163, 255, 160
 CB, ULB01, 163, 160, 255, 192, 0, 192, 160, 192, 255
 CB, ULB04, 255, 0, 192, 255, 160, 255, 192, 72, 0
 CB, ULB03(교직), 128, 192, 0, 85, 0, 192, 0, 128, 255
 CB, ULB03(교축), 78, 0, 255, 146, 0, 255, 160, 192, 255
*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, CONC , C24 , 1, KS01-Civil(RC), ,C24 , NO, 1, , , , 0, 0, 16800, NO, 0, 0, , , , 0, NO, 1, , , , 0, 0, 0
*ENDDATA
```

■ 송읍교 부산방향(P2) 하부 input

```
;---------------------------------------------------------------------------
; MIDAS/Civil Text(MCT) File.
; Date : 2016/1/8
;---------------------------------------------------------------------------
*VERSION
 8.4.5
*UNIT ; Unit System
; FORCE, LENGTH, HEAT, TEMPER
 KN , M, KCAL, C
*REBAR-MATL-CODE ; Rebar Material Code
; CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
 KS01-Civil(RC), SD300, KS01-Civil(RC), SD300
*NODE ; Nodes
; iNO, X, Y, Z
 1, 0, 0, 16.405
 2, 1.8, 0, 16.405
 3, 1.9, 0, 16.405
 4, 2.9, 0, 16.405
 5, 4, 0, 16.405
 6, 5.1, 0, 16.405
 7, 6.6, 0, 16.405
 8, 7.6, 0, 16.405
 9, 8.7, 0, 16.405
 10, 9.7, 0, 16.405
 11, 9.8, 0, 16.405
 12, 11.6, 0, 16.405
 13, 2.9, 0, 0
 14, 8.7, 0, 0
 15, 2.9, 0, 15.405
 16, 8.7, 0, 15.405
*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
; iEL, TYPE, iMAT, iPRO, iN1, iN2, REF, RPX, RPY, RPZ, iSUB, EXVAL ; Frame(Ref. Point)
 1, BEAM , 1, 1, 1, 2, 0, 0
 2, BEAM , 1, 2, 2, 3, 0, 0
 3, BEAM , 1, 2, 3, 4, 0, 0
 4, BEAM , 1, 2, 4, 5, 0, 0
 5, BEAM , 1, 2, 5, 6, 0, 0
 6, BEAM , 1, 2, 6, 7, 0, 0
 7, BEAM , 1, 2, 7, 8, 0, 0
 8, BEAM , 1, 2, 8, 9, 0, 0
 9, BEAM , 1, 2, 9, 10, 0, 0
 10, BEAM , 1, 2, 10, 11, 0, 0
 11, BEAM , 1, 1, 11, 12, 0, 0
 12, BEAM , 1, 3, 15, 13, 0, 0
 13, BEAM , 1, 3, 16, 14, 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, CONC , C24 , 0, 0, , C, NO, 0.05, 1, KS01-Civil(RC), KCI-2012 , C24
*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
*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, DBUSER , 코핑1 , CC, 0, 0, 0, 0, 0, 0, YES, SB , 2, 1.145, 2.5, 0, 0, 0, 0, 0, 0, 0, 0
 2, DBUSER , 코핑2 , CC, 0, 0, 0, 0, 0, 0, YES, SB , 2, 2, 2.5, 0, 0, 0, 0, 0, 0, 0, 0
 3, DBUSER , 기둥 , CC, 0, 0, 0, 0, 0, 0, YES, SR , 2, 2.2, 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
*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, DBUSER , 코핑1 , CC, 0, 0, 0, 0, 0, 0, YES, SB , 2, 1.145, 2.5, 0, 0, 0, 0, 0, 0, 0, 0
2, DBUSER , 코핑2 , CC, 0, 0, 0, 0, 0, 0, YES, SB , 2, 2, 2.5, 0, 0, 0, 0, 0, 0, 0, 0
3, DBUSER , 기둥 , CC, 0, 0, 0, 0, 0, 0, YES, SR , 2, 2.2, 0, 0, 0, 0, 0, 0, 0, 0, 0
*STLDCASE ; Static Load Cases
; LCNAME, LCTYPE, DESC
D , USER,
L , USER,
W-TR , USER,
WL , USER,
W-LO , USER,
*CONSTRAINT ; Supports
; NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP
13 14, 111111,
*RIGIDLINK ; Rigid Link
; M-NODE, DOF, S-NODE LIST, GROUP
4, 111111, 15,
9, 111111, 16,
*USE-STLD, D
; *SELFWEIGHT, X, Y, Z, GROUP
*SELFWEIGHT, 0, 0, -1,
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
3, 0, 0, -4847.98, 0, 0, 0,
10, 0, 0, -4650.95, 0, 0, 0,
; End of data for load case [D] -------------------------
*USE-STLD, L
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
3, 0, 0, -894.698, 0, 0, 0,
10, 0, 0, -688.919, 0, 0, 0,
; End of data for load case [L] -------------------------
*USE-STLD, W-TR
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
1, 16.755, 0, 0, 0, 0, 0,
3, 252.444, 0, 0, 0, 749.002, 0,
10, 252.444, 0, 0, 0, 749.002, 0,
*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
12, LINE , UNILOAD, GX, NO , NO, aDir[1], , , , 0, 3.3, 1, 3.3, 0, 0, 0, 0, , NO, 0, 0, NO,
13, LINE , UNILOAD, GX, NO , NO, aDir[1], , , , 0, 1.65, 1, 1.65, 0, 0, 0, 0, , NO, 0, 0, NO,
; End of data for load case [W-TR] -------------------------
*USE-STLD, WL
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
3, 28.75, 0, 0, 0, 160.914, 0,
10, 28.75, 0, 0, 0, 160.914, 0,
; End of data for load case [WL] -------------------------
*USE-STLD, W-LO
*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, GY, NO , NO, aDir[1], , , , 0, 6.6636, 1, 6.6636, 0, 0, 0, 0, , NO, 0, 0, NO,
2, LINE , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 42.943, 1, 42.943, 0, 0, 0, 0, , NO, 0, 0, NO,
3, LINE , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 42.943, 1, 42.943, 0, 0, 0, 0, , NO, 0, 0, NO,
4, LINE , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 42.943, 1, 42.943, 0, 0, 0, 0, , NO, 0, 0, NO,
5, LINE , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 42.943, 1, 42.943, 0, 0, 0, 0, , NO, 0, 0, NO,
6, LINE , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 42.943, 1, 42.943, 0, 0, 0, 0, , NO, 0, 0, NO,
7, LINE , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 42.943, 1, 42.943, 0, 0, 0, 0, , NO, 0, 0, NO,
8, LINE , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 42.943, 1, 42.943, 0, 0, 0, 0, , NO, 0, 0, NO,
9, LINE , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 42.943, 1, 42.943, 0, 0, 0, 0, , NO, 0, 0, NO,
10, LINE , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 42.943, 1, 42.943, 0, 0, 0, 0, , NO, 0, 0, NO,
11, LINE , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 6.6636, 1, 6.6636, 0, 0, 0, 0, , NO, 0, 0, NO,
12, LINE , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 3.3, 1, 3.3, 0, 0, 0, 0, , NO, 0, 0, NO,
13, LINE , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 3.3, 1, 3.3, 0, 0, 0, 0, , NO, 0, 0, NO,
; End of data for load case [W-LO] -------------------------
*LOADCOMB ; Combinations
; NAME=NAME, KIND, ACTIVE, bES, iTYPE, DESC, iSERV-TYPE, nLCOMTYPE ; line 1
; ANAL1, LCNAME1, FACT1, ... ; from line 2
NAME=ULB01, GEN, ACTIVE, 0, 0, , 0, 0
ST, D, 1.3, ST, L, 2.15
NAME=ULB04, GEN, ACTIVE, 0, 0, , 0, 0
ST, D, 1.3, ST, L, 1.3, ST, W-TR, 0.65, ST, WL, 1.3
NAME=ULB03(교직), GEN, ACTIVE, 0, 0, , 0, 0
ST, D, 1.3, ST, W-TR, 1.3
NAME=ULB04(교축), GEN, ACTIVE, 0, 0, , 0, 0
ST, D, 1.3, ST, L, 1.3, ST, W-LO, 0.65
NAME=ULB04(교직), GEN, ACTIVE, 0, 0, , 0, 0
ST, D, 1.3, ST, L, 1.3, ST, W-TR, 0.65, ST, WL, 1.3
NAME=ULB05(교축), GEN, ACTIVE, 0, 0, , 0, 0
ST, D, 1.3, ST, W-LO, 0.65
*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, D, 255, 255, 255, 192, 72, 0, 255, 87, 128
ST, L, 163, 160, 255, 93, 255, 87, 148, 87, 255
ST, W-TR, 255, 192, 160, 85, 0, 192, 255, 255, 255
ST, WL, 192, 192, 0, 0, 192, 128, 0, 157, 192
ST, W-LO, 255, 0, 128, 255, 192, 87, 163, 255, 160
CB, ULB01, 163, 160, 255, 192, 0, 192, 160, 192, 255
CB, ULB04, 255, 0, 192, 255, 160, 255, 192, 72, 0
CB, ULB03(교직), 128, 192, 0, 85, 0, 192, 0, 128, 255
CB, ULB04(교축), 78, 0, 255, 146, 0, 255, 160, 192, 255
CB, ULB04(교직), 192, 72, 0, 160, 192, 255, 0, 128, 128
CB, ULB05(교축), 148, 87, 255, 212, 160, 255, 0, 192, 192
*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, CONC , C24 , 1, KS01-Civil(RC), ,C24 , NO, 1, , , , 0, 0, 16800, NO, 0, 0, , , , 0, NO, 1, , , , 0, 0, 0
*ENDDATA

■ 송읍교 부산방향(P6) 하부 input

```
;---------------------------------------------------------------------------
; MIDAS/Civil Text(MCT) File.
; Date : 2016/1/8
;---------------------------------------------------------------------------
*VERSION
   8.4.5
*UNIT    ; Unit System
; FORCE, LENGTH, HEAT, TEMPER
   KN   , M, KCAL, C
*REBAR-MATL-CODE    ; Rebar Material Code
; CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
 KS01-Civil(RC), SD300, KS01-Civil(RC), SD300
*NODE    ; Nodes
; iNO, X, Y, Z
     1, 0, 0, 16.502
     2, 1.8, 0, 16.502
     3, 1.9, 0, 16.502
     4, 2.9, 0, 16.502
     5, 4, 0, 16.502
     6, 5.1, 0, 16.502
     7, 6.6, 0, 16.502
     8, 7.6, 0, 16.502
     9, 8.7, 0, 16.502
    10, 9.7, 0, 16.502
    11, 9.8, 0, 16.502
    12, 11.6, 0, 16.502
    13, 2.9, 0, 0
    14, 8.7, 0, 0
    15, 2.9, 0, 15.502
    16, 8.7, 0, 15.502
*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
; iEL, TYPE, iMAT, iPRO, iN1, iN2, REF, RPX, RPY, RPZ, iSUB, EXVAL  ; Frame(Ref. Point)
     1, BEAM  ,    1,     1,     1,     2,     0,     0
     2, BEAM  ,    1,     2,     2,     3,     0,     0
     3, BEAM  ,    1,     2,     3,     4,     0,     0
     4, BEAM  ,    1,     2,     4,     5,     0,     0
     5, BEAM  ,    1,     2,     5,     6,     0,     0
     6, BEAM  ,    1,     2,     6,     7,     0,     0
     7, BEAM  ,    1,     2,     7,     8,     0,     0
     8, BEAM  ,    1,     2,     8,     9,     0,     0
     9, BEAM  ,    1,     2,     9,    10,     0,     0
    10, BEAM  ,    1,     2,    10,    11,     0,     0
    11, BEAM  ,    1,     1,    11,    12,     0,     0
    12, BEAM  ,    1,     3,    15,    13,     0,     0
    13, BEAM  ,    1,     3,    16,    14,     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, CONC , C24                , 0, 0, , C, NO, 0.05, 1, KS01-Civil(RC), KCI-2012   , C24
*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
*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, DBUSER   , 코핑1             , CC, 0, 0, 0, 0, 0, 0, YES, SB , 2, 1.145, 2.5, 0, 0, 0, 0, 0, 0, 0, 0
    2, DBUSER   , 코핑2             , CC, 0, 0, 0, 0, 0, 0, YES, SB , 2, 2, 2.5, 0, 0, 0, 0, 0, 0, 0, 0
    3, DBUSER   , 기둥              , CC, 0, 0, 0, 0, 0, 0, YES, SR , 2, 2.2, 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
*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, DBUSER , 코핑1 , CC, 0, 0, 0, 0, 0, 0, YES, SB , 2, 1.145, 2.5, 0, 0, 0, 0, 0, 0, 0, 0
2, DBUSER , 코핑2 , CC, 0, 0, 0, 0, 0, 0, YES, SB , 2, 2, 2.5, 0, 0, 0, 0, 0, 0, 0, 0
3, DBUSER , 기둥 , CC, 0, 0, 0, 0, 0, 0, YES, SR , 2, 2.2, 0, 0, 0, 0, 0, 0, 0, 0
*STLDCASE ; Static Load Cases
; LCNAME, LCTYPE, DESC
D , USER,
L , USER,
W-TR , USER,
WL , USER,
W-LO , USER,
*CONSTRAINT ; Supports
; NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP
13 14, 111111,
*RIGIDLINK ; Rigid Link
; M-NODE, DOF, S-NODE LIST, GROUP
4, 111111, 15,
9, 111111, 16,
*USE-STLD, D
; *SELFWEIGHT, X, Y, Z, GROUP
*SELFWEIGHT, 0, 0, -1,
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
3, 0, 0, -4645.84, 0, 0, 0,
10, 0, 0, -4836.86, 0, 0, 0,
; End of data for load case [D] -------------------------
*USE-STLD, L
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
3, 0, 0, -631.203, 0, 0, 0,
10, 0, 0, -786.441, 0, 0, 0,
; End of data for load case [L] -------------------------
*USE-STLD, W-TR
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
1, 16.485, 0, 0, 0, 0, 0,
3, 241.468, 0, 0, 0, 712.09, 0,
10, 241.468, 0, 0, 0, 712.09, 0,
*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
12, LINE , UNILOAD, GX, NO , NO, aDir[1], , , , 0, 3.3, 1, 3.3, 0, 0, 0, 0, , NO, 0, 0, NO,
13, LINE , UNILOAD, GX, NO , NO, aDir[1], , , , 0, 1.65, 1, 1.65, 0, 0, 0, 0, , NO, 0, 0, NO,
; End of data for load case [W-TR] -------------------------
*USE-STLD, WL
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
3, 27.5, 0, 0, 0, 153.423, 0,
10, 27.5, 0, 0, 0, 153.423, 0,
; End of data for load case [WL] -------------------------
*USE-STLD, W-LO
*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, GY, NO , NO, aDir[1], , , , 0, 6.6636, 1, 6.6636, 0, 0, 0, 0, , NO, 0, 0, NO,
2, LINE , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 42.943, 1, 42.943, 0, 0, 0, 0, , NO, 0, 0, NO,
3, LINE , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 42.943, 1, 42.943, 0, 0, 0, 0, , NO, 0, 0, NO,
4, LINE , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 42.943, 1, 42.943, 0, 0, 0, 0, , NO, 0, 0, NO,
5, LINE , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 42.943, 1, 42.943, 0, 0, 0, 0, , NO, 0, 0, NO,
6, LINE , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 42.943, 1, 42.943, 0, 0, 0, 0, , NO, 0, 0, NO,
7, LINE , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 42.943, 1, 42.943, 0, 0, 0, 0, , NO, 0, 0, NO,
8, LINE , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 42.943, 1, 42.943, 0, 0, 0, 0, , NO, 0, 0, NO,
9, LINE , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 42.943, 1, 42.943, 0, 0, 0, 0, , NO, 0, 0, NO,
10, LINE , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 42.943, 1, 42.943, 0, 0, 0, 0, , NO, 0, 0, NO,
11, LINE , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 6.6636, 1, 6.6636, 0, 0, 0, 0, , NO, 0, 0, NO,
12, LINE , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 3.3, 1, 3.3, 0, 0, 0, 0, , NO, 0, 0, NO,
13, LINE , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 3.3, 1, 3.3, 0, 0, 0, 0, , NO, 0, 0, NO,
; End of data for load case [W-LO] -------------------------
*LOADCOMB ; Combinations
; NAME=NAME, KIND, ACTIVE, bES, iTYPE, DESC, iSERV-TYPE, nLCOMTYPE ; line 1
; ANAL1, LCNAME1, FACT1, ... ; from line 2
NAME=ULB01, GEN, ACTIVE, 0, 0, , 0, 0
ST, D, 1.3, ST, L, 2.15
NAME=ULB04(교직), GEN, ACTIVE, 0, 0, , 0, 0
ST, D, 1.3, ST, L, 1.3, ST, W-TR, 0.65, ST, WL, 1.3
NAME=ULB03(교직), GEN, ACTIVE, 0, 0, , 0, 0
ST, D, 1.3, ST, W-TR, 1.3
NAME=ULB05(교축), GEN, ACTIVE, 0, 0, , 0, 0
ST, D, 1.3, ST, W-LO, 0.65
*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, D, 255, 255, 255, 192, 72, 0, 255, 87, 128
ST, L, 163, 160, 255, 93, 255, 87, 148, 87, 255
ST, W-TR, 255, 192, 160, 85, 0, 192, 255, 255, 255
ST, WL, 192, 192, 0, 0, 192, 128, 0, 157, 192
ST, W-LO, 255, 0, 128, 255, 192, 87, 163, 255, 160
CB, ULB01, 163, 160, 255, 192, 0, 192, 160, 192, 255
CB, ULB04(교직), 255, 0, 192, 255, 160, 255, 192, 72, 0
CB, ULB03(교직), 128, 192, 0, 85, 0, 192, 0, 128, 255
CB, ULB05(교축), 255, 128, 0, 192, 192, 192, 255, 87, 87
*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, CONC , C24 , 1, KS01-Civil(RC), ,C24 , NO, 1, , , , 0, 0, 16800, NO, 0, 0, , , , 0, NO, 1, , , , 0, 0, 0
*ENDDATA