```
*UNIT     ; Unit System
; FORCE, LENGTH, HEAT, TEMPER
    KN     , M, KCAL, C
*STRUCTYPE     ; Structure Type
;       iSTYP,       iMASS,       iSMAS,
bMASSOFFSET, bSELFWEIGHT, GRAV,
TEMPER,  bALIGNBEAM,  bALIGNSLAB,
bROTRIGID
      0,  1,  1,  NO,  YES,  9.806,  0,  NO,
NO, NO
*REBAR-MATL-CODE          ;  Rebar
Material Code
;       CONC_CODE,       CONC_MDB,
SRC_CODE, SRC_MDB
 KSCE-LSD15(RC),                SD300,
KSCE-LSD15(RC), SD300
*NODE     ; Nodes
; iNO, X, Y, Z
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    691, -91.186, 52.942, 0
    693, -90.769, 45.916, 0
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    699, -83.814, 46.991, 0
    701, -82.917, 40.006, 0
    704, -80.472, 38.329, 0
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    724, -74.108, 34.296, 0
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    733, -70.346, 32.123, 0
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    766, -60.117, 32.595, 0
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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      ;
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714,     0,     0
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374, BEAM, 2, 1, 687,
689, 0, 0
375, BEAM, 2, 1, 689,
691, 0, 0
376, BEAM, 2, 1, 691,
695, 0, 0
377, BEAM, 2, 1, 695,
699, 0, 0
378, BEAM, 2, 1, 699,
705, 0, 0
379, BEAM, 2, 1, 681,
683, 0, 0
380, BEAM, 2, 1, 683,
688, 0, 0
381, BEAM, 2, 1, 688,
693, 0, 0
382, BEAM, 2, 1, 693,
697, 0, 0
383, BEAM, 2, 1, 697,
701, 0, 0
384, BEAM, 3, 53, 683,
1246, 0, 0
385, BEAM, 3, 53, 1246,
689, 0, 0
386, BEAM, 3, 53, 688,
1204, 0, 0
387, BEAM, 3, 53, 1204,
691, 0, 0

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   388, BEAM    ,    3,    53,    693,
1248,    0,    0
   389, BEAM    ,    3,    53,   1248,
695,    0,    0
   390, BEAM    ,    3,    53,    697,
1205,    0,    0
   391, BEAM    ,    3,    53,   1205,
699,    0,    0
   392, BEAM    ,    3,    53,    701,
1206,    0,    0
   393, BEAM    ,    3,    53,   1206,
705,    0,    0
   394, BEAM    ,    3,    53,    710,
1207,    0,    0
   395, BEAM    ,    3,    53,   1207,
715,    0,    0
   396, BEAM    ,    3,    53,    721,
1208,    0,    0
   397, BEAM    ,    3,    53,   1208,
730,    0,    0
   398, BEAM    ,    3,    53,    733,
1209,    0,    0
   399, BEAM    ,    3,    53,   1209,
740,    0,    0
   400, BEAM    ,    3,    53,    748,
1212,    0,    0
   401, BEAM    ,    3,    53,   1212,
753,    0,    0
   402, BEAM    ,    3,    53,    758,
1210,    0,    0
   403, BEAM    ,    3,    53,   1210,
766,    0,    0
   404, BEAM    ,    3,    53,    769,
1211,    0,    0
   405, BEAM    ,    3,    53,   1211,
773,    0,    0
   406, BEAM    ,    3,    53,    783,
1213,    0,    0
   407, BEAM    ,    3,    53,   1213,
789,    0,    0
   408, BEAM    ,    3,    53,    793,
1214,    0,    0
   409, BEAM    ,    3,    53,   1214,
795,    0,    0
   410, BEAM    ,    3,    53,    797,
1215,    0,    0
   411, BEAM    ,    3,    53,   1215,
799,    0,    0
   412, BEAM    ,    3,    53,    801,
1216,    0,    0
   413, BEAM    ,    3,    53,   1216,
803,    0,    0
   414, BEAM    ,    3,    53,    805,
1217,    0,    0
   415, BEAM    ,    3,    53,   1217,
807,    0,    0
   416, BEAM    ,    3,    53,    809,
1218,    0,    0
   417, BEAM    ,    3,    53,   1218,
811,    0,    0
   418, BEAM    ,    3,    53,    821,
1219,    0,    0
   419, BEAM    ,    3,    53,   1219,
823,    0,    0
   420, BEAM    ,    3,    53,    825,
1220,    0,    0
   421, BEAM    ,    3,    53,   1220,
827,    0,    0
   422, BEAM    ,    3,    53,    837,
1221,    0,    0
   423, BEAM    ,    3,    53,   1221,
841,    0,    0
   424, BEAM    ,    3,    53,    845,
1222,    0,    0
   425, BEAM    ,    3,    53,   1222,
847,    0,    0
   426, BEAM    ,    3,    53,    861,
1223,    0,    0
   427, BEAM    ,    3,    53,   1223,
863,    0,    0
   428, BEAM    ,    3,    53,    865,
1224,    0,    0
   429, BEAM    ,    3,    53,   1224,
867,    0,    0
   430, BEAM    ,    3,    53,    882,
1225,    0,    0
   431, BEAM    ,    3,    53,   1225,
880,    0,    0
   432, BEAM    ,    3,    53,    894,
1226,    0,    0
   433, BEAM    ,    3,    53,   1226,
892,    0,    0
   434, BEAM    ,    3,    53,    898,
1227,    0,    0
   435, BEAM    ,    3,    53,   1227,
896,    0,    0
   436, BEAM    ,    3,    53,    902,
1228,    0,    0
   437, BEAM    ,    3,    53,   1228,
900,    0,    0
   438, BEAM    ,    3,    53,    907,
1229,    0,    0
   439, BEAM    ,    3,    53,   1229,
904,    0,    0
   440, BEAM    ,    3,    53,    922,
1230,    0,    0
   441, BEAM    ,    3,    53,   1230,
920,    0,    0
   442, BEAM    ,    3,    53,    940,
1231,    0,    0
   443, BEAM    ,    3,    53,   1231,
933,    0,    0
   444, BEAM    ,    3,    53,    946,
1232,    0,    0
   445, BEAM    ,    3,    53,   1232,
944,    0,    0
   446, BEAM    ,    3,    53,    958,
1233,    0,    0
   447, BEAM    ,    3,    53,   1233,
956,    0,    0
   448, BEAM    ,    3,    53,    962,
1234,    0,    0
   449, BEAM    ,    3,    53,   1234,
960,    0,    0
   450, BEAM    ,    3,    53,    970,
1235,    0,    0
   451, BEAM    ,    3,    53,   1235,
964,    0,    0
   452, BEAM    ,    3,    53,    986,
1236,    0,    0
   453, BEAM    ,    3,    53,   1236,
980,    0,    0
   454, BEAM    ,    3,    53,    997,
1237,    0,    0
   455, BEAM    ,    3,    53,   1237,
992,    0,    0
   456, BEAM    ,    3,    53,   1006,
1238,    0,    0
   457, BEAM    ,    3,    53,   1238,
1004,    0,    0
   458, BEAM    ,    3,    53,   1020,
1239,    0,    0
   459, BEAM    ,    3,    53,   1239,
1011,    0,    0
   460, BEAM    ,    3,    53,   1027,
1240,    0,    0
   461, BEAM    ,    3,    53,   1240,
1024,    0,    0
   462, BEAM    ,    3,    53,   1034,
1241,    0,    0
   463, BEAM    ,    3,    53,   1241,
1030,    0,    0
   464, BEAM    ,    3,    53,   1038,
1242,    0,    0
   465, BEAM    ,    3,    53,   1242,
1036,    0,    0
   466, BEAM    ,    3,    53,   1045,
1243,    0,    0
   467, BEAM    ,    3,    53,   1243,
1040,    0,    0
   468, BEAM    ,    3,    53,   1055,
1244,    0,    0
   469, BEAM    ,    3,    53,   1244,
1048,    0,    0
   470, BEAM    ,    3,    53,   1060,
1245,    0,    0
   471, BEAM    ,    3,    53,   1245,
1054,    0,    0
   472, BEAM    ,    3,    53,   1064,
1247,    0,    0
   473, BEAM    ,    3,    53,   1247,
1058,    0,    0
*GROUP     ; Group
; NAME, NODE_LIST, ELEM_LIST,
PLANE_TYPE
   G1          , 687 689 695 727
729to731 740 749 753 780 782 785
807 819to835by4 \
        841 843 855to875by4
876to892by4 924 926 930 933 937 960
992 993 995 1008 \
        1010 1011 1024 1042 1043
1058 1059, 11to31by5 13to49by12 15
19to103by28 \
        22 29to44by5 33to153by40
40to157by39 43to191by37 50 53to57
63to69by2 70 \
        76 83 85 87to89 93 95 97
98to167by23 101to143by14 105to108
123 125 126 \
        130to181by17 133 135to138
149 150 159 160 163 169 170
173to176 183to186 \
        374to378, 0
   가로보     , , , 0
   G1-S1       , 687to699by4 689 705
712 714 715 727 729to731 740 742
745 749, \
        11to31by5 13 15 19 22 25 29
374to378, 0
   G2-S1       , 681 683 688 693 697
701to710by3 717 719 721 724 733 735
738 744, \
        12to30by6 14to23by3 27 28 32
379to383, 0
   G1-P1       , 749 753, 33 34, 0
   G2-P1       , , 35 36, 0
   G1-S2       , 780 782 785 807
819to835by4 841 843, 37 39 40 43 44
47 49 50 \
        53to57 63to69by2 70 73 75 76
191, 0
   G2-S2       , 752 755 758 760
769to778by3 783 788 793to837by4
839, 38to77by13 \
        41 42 45 46 48 52 58to62 66
68 71 72 74 78 192, 0
   G1-P2       , 843, 79 80, 0
   G2-P2       , , 81 82, 0
   G1-S3       , , 83to113by10 85
87to89 95 97 98 101 105to108 115, 0
   G2-S3       , 865 869 873
878to898by4, 84to114by10 86 90to92
96 99 100 102 \
        109to112 116, 0
   G1-P3       , , 117 118, 0
   G2-P3       , , 119 120, 0
   G1-S4       , , 121to133by4 123 126
130 135to138 143 144to153by3 149
154 157, 0
   G2-S4       , 936 946 950 954 962
984 986 990 1068, 122to158by12 124
127 128 \
        131 132 139to142 145 148 151
152 155 156, 0
   G1-P4       , , 159 160, 0
   G2-P4       , , 161 162, 0
   G1-S5       , 1008 1010 1011 1024
1042 1043 1054 1058 1059, 163 164
167 169 \
        170 173to176 181 183to186, 0
   G2-S5       , 1060 1064 1066, 165
166 168 171 172 177to180 182
187to190, 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,
USEELAST, ELAST
; [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,
USEELAST, ELAST or 2, ELAST,
POISN, THERMAL, DEN, MASS
    1, CONC , C27                , 0,
0, , C, NO, 0.05, 1, KS01(RC)    ,
      , C27                      , NO,
2.4645e+007
    2, STEEL, SM490              , 0,
0, , C, NO, 0.02, 1, KS-Civil(S),
      , SM490                    , NO,
2.0594e+008
    3, STEEL, SM400              , 0,
0, , C, NO, 0.02, 1, KS-Civil(S),
      , SM400                    , NO,
2.0594e+008
*MATL-COLOR
; iMAT, W_R, W_G, W_B, HF_R,
HF_G, HF_B, HE_R, HE_G, HE_B,
bBLEND, FACT
    1, 255,    0,    0,    0, 255,    0,
 0,    0, 255, NO, 0.5
    2, 255,    0,    0,    0, 255,    0,
 0,    0, 255, NO, 0.5
    3, 255,    0,    0,    0, 255,    0,
 0,    0, 255, NO, 0.5
*SECTION     ; Section
; iSEC, TYPE, SNAME, [OFFSET],
bSD, bWE, SHAPE, [DATA1], [DATA2]
                ; 1st line -
DB/USER
; iSEC, TYPE, SNAME, [OFFSET],
bSD, bWE, 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, bWE, SHAPE, ELAST, DEN,
POIS, POIC, SF, THERMAL ; 1st line
- SRC
;                D1, D2, [SRC]

        ; 2nd line
; iSEC, TYPE, SNAME, [OFFSET],
bSD, bWE, SHAPE, 1, DB, NAME1,
NAME2, D1, D2           ; 1st line -
COMBINED
; iSEC, TYPE, SNAME, [OFFSET],
bSD, bWE, SHAPE, 2, D11, D12, D13,
D14, D15, D21, D22, D23, D24
; iSEC, TYPE, SNAME, [OFFSET2],
bSD, bWE, 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,
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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, T H E R M A L                    ; 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, bWE, 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, bWE, SHAPE                    ; 1st line - COMPOSITE-SB
;        Hw, tw, B, Bf1, tf1, B2, Bf2, t f 2
  ; 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, bWE, 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, bWE, 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, bWE, SHAPE                    ; 1st line - PSC
;                OPT1, OPT2, [JOINT]

  ; 2nd line
;          bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE                    ; 3rd line
;                bUSERDEFMESHSIZE, MESHSIZE, bUSERINPSTIFF, [STIFF]                    ; 4th line
;          bWE, [WARPING POINT]-i, [WARPING POINT]-j                    ; 5th line
;                                [SIZE-A]

  ; 6th line
;                                [SIZE-B]

  ; 7th line
;                                [SIZE-C]

  ; 8th line
;                                [SIZE-D]

  ; 9th 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
; [WARPING POINT] : nWarpingCheck, X1,X2,X3,X4,X5,X6, Y1,Y2,Y3,Y4,Y5,Y6
    1,        COMPOSITE        ,        1
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
        2, 0.012, 2.5, 0.12, 0.012, 2.5, 0.12, 0.012
        1, 0, 0, 0, 2, 6
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8333, 0, NO, 0.8333, 0, NO
        6, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO
        5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO,
,
    2,        COMPOSITE        ,        2
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
        2, 0.012, 2.5, 0.12, 0.012, 2.5, 0.12, 0.012
        1, 0, 0, 0, 6, 6
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        6, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO
        6, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO
        5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO,
,
    3,        COMPOSITE        ,        3
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
        2, 0.012, 2.5, 0.12, 0.018, 2.5, 0.12, 0.012
        1, 0, 0, 0, 6, 6
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
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, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
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,
    5,        COMPOSITE        ,        5
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
        2, 0.012, 2.5, 0.12, 0.018, 2.5, 0.12, 0.018
        1, 0, 0, 0, 6, 2
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
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    6,        COMPOSITE        ,        6
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
        2, 0.012, 2.5, 0.12, 0.026, 2.5, 0.12, 0.018
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        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
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        5.125, 1, 5.125, 5.125, 0.2,
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0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO,
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7, COMPOSITE , 7
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
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8, COMPOSITE , 8
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.034, 2.5, 0.12, 0.026
1, 0, 0, 0, 6, 2
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9, COMPOSITE , 9
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
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10, COMPOSITE , 10
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
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11, COMPOSITE , 11
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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12, COMPOSITE , 12
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.034, 2.5, 0.12, 0.026
1, 0, 0, 0, 6, 2
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
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13, COMPOSITE , 13
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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14, COMPOSITE , 14
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
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15, COMPOSITE , 15
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
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5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO,
,
16, COMPOSITE , 16
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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17, COMPOSITE , 17
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.018, 2.5, 0.12, 0.02
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1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
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5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO,
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18, COMPOSITE , 18
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.018, 2.5, 0.12, 0.026
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5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO,
,
19, COMPOSITE , 19
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.024, 2.5, 0.12, 0.026
1, 0, 0, 0, 6, 6
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
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5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO,
,
20, COMPOSITE , 20
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.024, 2.5, 0.12, 0.026
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5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO,
,
21, COMPOSITE , 21
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.018, 2.5, 0.12, 0.024, 2.5, 0.12, 0.026
1, 0, 0, 0, 6, 2
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
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2, 0.8333, 0, NO, 0.8333, 0, NO
5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO,
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22, COMPOSITE , 22
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.018, 2.5, 0.12, 0.032, 2.5, 0.12, 0.026
1, 0, 0, 0, 6, 2
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
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5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO,
,
23, COMPOSITE , 23
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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1, 0, 0, 0, 6, 2
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5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO,
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24, COMPOSITE , 24
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO,
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25, COMPOSITE , 25
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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1, 0, 0, 0, 6, 2
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2, 0.8333, 0, NO, 0.8333, 0, NO
5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO,
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26, COMPOSITE , 26
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.024, 2.5,

0.12, 0.026
1, 0, 0, 0, 6, 2
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
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27, COMPOSITE, 27, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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1, 0, 0, 0, 6, 2
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28, COMPOSITE, 28, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO, ,
29, COMPOSITE, 29, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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1, 0, 0, 0, 6, 6
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
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30, COMPOSITE, 30, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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1, 0, 0, 0, 6, 6
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
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5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO, ,
31, COMPOSITE, 31, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO, ,
32, COMPOSITE, 32, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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1, 0, 0, 0, 6, 6
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
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5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO, ,
33, COMPOSITE, 33, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.016, 2.5, 0.12, 0.012
1, 0, 0, 0, 6, 2
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5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO, ,
34, COMPOSITE, 34, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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1, 0, 0, 0, 6, 2
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
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5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO, ,
35, COMPOSITE, 35, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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1, 0, 0, 0, 6, 2
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
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2, 0.8333, 0, NO, 0.8333, 0, NO
5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO, ,
36, COMPOSITE, 36, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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1, 0, 0, 0, 6, 6
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37, COMPOSITE, 37, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.014, 2.5, 0.12, 0.014
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1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
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5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO, ,
38, COMPOSITE, 38, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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0
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39, COMPOSITE, 39, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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1, 0, 0, 0, 2, 6
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
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40, COMPOSITE, 40, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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41, COMPOSITE, 41, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO, ,
42, COMPOSITE, 42, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.012, 2.5, 0.12, 0.016
1, 0, 0, 0, 6, 6
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
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5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO, ,
43, COMPOSITE, 43, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.014, 2.5, 0.12, 0.016
1, 0, 0, 0, 6, 6
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
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5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO, ,
44, COMPOSITE, 44, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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45, COMPOSITE, 45, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.022, 2.5,

0.12, 0.016
1, 0, 0, 0, 6, 2
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
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5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO,
,
46, COMPOSITE , 46
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.022, 2.5, 0.12, 0.024
1, 0, 0, 0, 6, 2
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,
47, COMPOSITE , 47
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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,
48, COMPOSITE , 48
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
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49, COMPOSITE , 49
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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,
50, COMPOSITE , 50
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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,
51, COMPOSITE , 51
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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,
52, COMPOSITE , 52
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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,
53, DBUSER , 가로보
, CT, 0, 0, 0, 0, 0, 0, YES, NO, H ,
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54, COMPOSITE , 53
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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,
*SECT-COLOR
; iSEC, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R, HE_G, HE_B, bBLEND, FACT
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54, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
*COMP-GEN-SECT-PSC-DESIGN ; Composite Section for PSC Design
; SECT, bCompPSC, (Z1, Z2, Z3, t1, t2, t3, TotT)-I, (Z1, Z2, Z3, t1, t2, t3, TotT)-J
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3, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
4, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
5, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
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7, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
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9, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
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12, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
13, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
14, 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
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21, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
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30, 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

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    54, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
*DGN-SECT
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, [DATA1], [DATA2]
                    ; 1st line - DB/USER
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, 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, bWE, SHAPE, ELAST, DEN, POIS, POIC, SF, THERMAL ; 1st line - SRC
;                D1, D2, [SRC]

        ; 2nd line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 1, DB, NAME1, NAME2, D1, D2
                    ; 1st line - COMBINED
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 2, D11, D12, D13, D14, D15, D21, D22, D23, D24
; iSEC, TYPE, SNAME, [OFFSET2], bSD, bWE, 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, bWE, 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, bWE, 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, bWE, 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, bWE, 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, bWE, SHAPE
                    ; 1st line - PSC
;                OPT1, OPT2, [JOINT]

  ; 2nd line
;        bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE
                    ; 3rd line
;        bUSERDEFMESHSIZE, MESHSIZE, bUSERINPSTIFF, [STIFF]
                    ; 4th line
;        bWE, [WARPING POINT]-i, [WARPING POINT]-j
                    ; 5th line
;                [SIZE-A]

  ; 6th line
;                [SIZE-B]

  ; 7th line
;                [SIZE-C]

  ; 8th line
;                [SIZE-D]

  ; 9th 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
; [WARPING POINT] : nWarpingCheck, X1,X2,X3,X4,X5,X6, Y1,Y2,Y3,Y4,Y5,Y6
    1, COMPOSITE 1, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
        2, 0.012, 2.5, 0.12, 0.012, 2.5, 0.12, 0.012
        1, 0, 0, 0, 2, 6
        1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
        0
        0
        2, 0.8333, 0, NO, 0.8333, 0,
```

NO
6, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO
5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO,
,
2, COMPOSITE, 2
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.012, 2.5, 0.12, 0.012
1, 0, 0, 0, 6, 6
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
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5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO,
,
3, COMPOSITE, 3
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.018, 2.5, 0.12, 0.012
1, 0, 0, 0, 6, 6
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
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6, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO
5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO,
,
4, COMPOSITE, 4
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.018, 2.5, 0.12, 0.018
1, 0, 0, 0, 6, 6
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
6, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO
6, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO
5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO,
,
5, COMPOSITE, 5
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.018, 2.5, 0.12, 0.018
1, 0, 0, 0, 6, 2
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
6, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO
2, 0.8333, 0, NO, 0.8333, 0, NO
5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO,
,
6, COMPOSITE, 6
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.026, 2.5, 0.12, 0.018
1, 0, 0, 0, 6, 2
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
6, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO
2, 0.8333, 0, NO, 0.8333, 0, NO
5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO,
,
7, COMPOSITE, 7
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.026, 2.5, 0.12, 0.026
1, 0, 0, 0, 6, 2
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
6, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO
2, 0.8333, 0, NO, 0.8333, 0, NO
5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO,
,
8, COMPOSITE, 8
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.034, 2.5, 0.12, 0.026
1, 0, 0, 0, 6, 2
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
6, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO
2, 0.8333, 0, NO, 0.8333, 0, NO
5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO,
,
9, COMPOSITE, 9
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.034, 2.5, 0.12, 0.034
1, 0, 0, 0, 6, 2
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
6, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO
2, 0.8333, 0, NO, 0.8333, 0, NO
5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO,
,
10, COMPOSITE, 10
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.018, 2.5, 0.12, 0.034, 2.5, 0.12, 0.034
1, 0, 0, 0, 6, 2
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
6, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO
2, 0.8333, 0, NO, 0.8333, 0, NO
5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO,
,
11, COMPOSITE, 11
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.034, 2.5, 0.12, 0.034
1, 0, 0, 0, 6, 2
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
6, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO
2, 0.8333, 0, NO, 0.8333, 0, NO
5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO,
,
12, COMPOSITE, 12
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.034, 2.5, 0.12, 0.026
1, 0, 0, 0, 6, 2
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
6, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO
2, 0.8333, 0, NO, 0.8333, 0, NO
5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO,
,
13, COMPOSITE, 13
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.026, 2.5, 0.12, 0.026
1, 0, 0, 0, 6, 2
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
6, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO
2, 0.8333, 0, NO, 0.8333, 0, NO
5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO,
,
14, COMPOSITE, 14
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.018, 2.5, 0.12, 0.026
1, 0, 0, 0, 6, 6
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
6, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO
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5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO,
,
15, COMPOSITE, 15
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.018, 2.5, 0.12, 0.02
1, 0, 0, 0, 6, 6
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
6, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO
6, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO
5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO,
,
16, COMPOSITE, 16
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.018, 2.5, 0.12, 0.02
1, 0, 0, 0, 2, 6
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
2, 0.8333, 0, NO, 0.8333, 0, NO
6, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO
5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO,
,
17, COMPOSITE, 17
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.018, 2.5, 0.12, 0.02
1, 0, 0, 0, 6, 6
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
6, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO
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5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO,
,
18, COMPOSITE, 18
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.018, 2.5, 0.12, 0.026
1, 0, 0, 0, 6, 6
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
6, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO
6, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO
5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO,
,
19, COMPOSITE, 19
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.024, 2.5, 0.12, 0.026
1, 0, 0, 0, 6, 6
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
6, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO
6, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO
5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO,
,
20, COMPOSITE, 20
, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.024, 2.5, 0.12, 0.026
1, 0, 0, 0, 6, 2
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
6, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO

2, 0.8333, 0, NO, 0.8333, 0, NO
5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO, ,
21, COMPOSITE, 21, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.018, 2.5, 0.12, 0.024, 2.5, 0.12, 0.026
1, 0, 0, 0, 6, 2
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
6, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO
2, 0.8333, 0, NO, 0.8333, 0, NO
5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO, ,
22, COMPOSITE, 22, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.018, 2.5, 0.12, 0.032, 2.5, 0.12, 0.026
1, 0, 0, 0, 6, 2
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
6, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO
2, 0.8333, 0, NO, 0.8333, 0, NO
5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO, ,
23, COMPOSITE, 23, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.018, 2.5, 0.12, 0.032, 2.5, 0.12, 0.034
1, 0, 0, 0, 6, 2
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
6, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO
2, 0.8333, 0, NO, 0.8333, 0, NO
5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO, ,
24, COMPOSITE, 24, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.032, 2.5, 0.12, 0.034
1, 0, 0, 0, 6, 2
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
6, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO
2, 0.8333, 0, NO, 0.8333, 0, NO
5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO, ,
25, COMPOSITE, 25, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.032, 2.5, 0.12, 0.026
1, 0, 0, 0, 6, 2
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
6, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO
2, 0.8333, 0, NO, 0.8333, 0, NO
5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO, ,
26, COMPOSITE, 26, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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1, 0, 0, 0, 6, 2
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
6, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO
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27, COMPOSITE, 27, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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1, 0, 0, 0, 6, 2
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
6, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO
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28, COMPOSITE, 28, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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1, 0, 0, 0, 6, 6
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
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29, COMPOSITE, 29, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.016, 2.5, 0.12, 0.018
1, 0, 0, 0, 6, 6
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
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6, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO
5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO, ,
30, COMPOSITE, 30, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.012, 2.5, 0.12, 0.018
1, 0, 0, 0, 6, 6
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
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5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO, ,
31, COMPOSITE, 31, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
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5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO, ,
32, COMPOSITE, 32, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.016, 2.5, 0.12, 0.012
1, 0, 0, 0, 6, 6
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
6, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO
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5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO, ,
33, COMPOSITE, 33, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.016, 2.5, 0.12, 0.012
1, 0, 0, 0, 6, 2
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
6, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO, 0.3571, 0, NO
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5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO, ,
34, COMPOSITE, 34, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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1, 0, 0, 0, 6, 2
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
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2, 0.8333, 0, NO, 0.8333, 0, NO
5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO, ,
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1, 0, 0, 0, 6, 2
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
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2, 0.8333, 0, NO, 0.8333, 0, NO
5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO, ,
36, COMPOSITE, 36, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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1, 0, 0, 0, 6, 6
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
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37, COMPOSITE, 37, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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1, 0, 0, 0, 6, 6
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
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5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO, ,
38, COMPOSITE, 38, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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0
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5.125, 1, 5.125, 5.125, 0.2, 0.1, 7.71859, 0, 0.3, 0.167, 1.2, NO, ,
39, COMPOSITE, 39, CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2, 0.012, 2.5, 0.12, 0.014, 2.5, 0.12, 0.012
1, 0, 0, 0, 2, 6
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
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5.125, 1, 5.125, 5.125, 0.2,

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,
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 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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0.12, 0.012
        1, 0, 0, 0, 2, 6
        1, RIB, 0, 0.15, 0.014, 0, 0, 0,
0, 0, 0
        0
        0
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NO
        6, 0.3571, 0, NO, 0.3571, 0,
NO, 0.3571, 0, NO, 0.3571, 0, NO,
0.3571, 0, NO, 0.3571, 0, NO
        5.125, 1, 5.125,     5.125, 0.2,
0.1,    7.71859, 0, 0.3, 0.167, 1.2, NO,
,
   41,        COMPOSITE        ,        41
 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
        2, 0.012, 2.5, 0.12, 0.012, 2.5,
0.12, 0.012
        1, 0, 0, 0, 6, 6
        1, RIB, 0, 0.15, 0.014, 0, 0, 0,
0, 0, 0
        0
        0
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NO, 0.3571, 0, NO, 0.3571, 0, NO,
0.3571, 0, NO, 0.3571, 0, NO
        6, 0.3571, 0, NO, 0.3571, 0,
NO, 0.3571, 0, NO, 0.3571, 0, NO,
0.3571, 0, NO, 0.3571, 0, NO
        5.125, 1, 5.125,     5.125, 0.2,
0.1,    7.71859, 0, 0.3, 0.167, 1.2, NO,
,
   42,        COMPOSITE        ,        42
 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
        2, 0.012, 2.5, 0.12, 0.012, 2.5,
0.12, 0.016
        1, 0, 0, 0, 6, 6
        1, RIB, 0, 0.15, 0.014, 0, 0, 0,
0, 0, 0
        0
        0
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NO, 0.3571, 0, NO, 0.3571, 0, NO,
0.3571, 0, NO, 0.3571, 0, NO
        6, 0.3571, 0, NO, 0.3571, 0,
NO, 0.3571, 0, NO, 0.3571, 0, NO,
0.3571, 0, NO, 0.3571, 0, NO
        5.125, 1, 5.125,     5.125, 0.2,
0.1,    7.71859, 0, 0.3, 0.167, 1.2, NO,
,
   43,        COMPOSITE        ,        43
 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
        2, 0.012, 2.5, 0.12, 0.014, 2.5,
0.12, 0.016
        1, 0, 0, 0, 6, 6
        1, RIB, 0, 0.15, 0.014, 0, 0, 0,
0, 0, 0
        0
        0
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NO, 0.3571, 0, NO, 0.3571, 0, NO,
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NO, 0.3571, 0, NO, 0.3571, 0, NO,
0.3571, 0, NO, 0.3571, 0, NO
        5.125, 1, 5.125,     5.125, 0.2,
0.1,    7.71859, 0, 0.3, 0.167, 1.2, NO,
,
   44,        COMPOSITE        ,        44
 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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0.12, 0.016
        1, 0, 0, 0, 6, 2
        1, RIB, 0, 0.15, 0.014, 0, 0, 0,
0, 0, 0
        0
        0
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NO, 0.3571, 0, NO, 0.3571, 0, NO,
0.3571, 0, NO, 0.3571, 0, NO
        2, 0.8333, 0, NO, 0.8333, 0,
NO
        5.125, 1, 5.125,     5.125, 0.2,
0.1,    7.71859, 0, 0.3, 0.167, 1.2, NO,
,
   45,        COMPOSITE        ,        45
 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
        2, 0.012, 2.5, 0.12, 0.022, 2.5,
0.12, 0.016
        1, 0, 0, 0, 6, 2
        1, RIB, 0, 0.15, 0.014, 0, 0, 0,
0, 0, 0
        0
        0
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NO, 0.3571, 0, NO, 0.3571, 0, NO,
0.3571, 0, NO, 0.3571, 0, NO
        2, 0.8333, 0, NO, 0.8333, 0,
NO
        5.125, 1, 5.125,     5.125, 0.2,
0.1,    7.71859, 0, 0.3, 0.167, 1.2, NO,
,
   46,        COMPOSITE        ,        46
 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
        2, 0.012, 2.5, 0.12, 0.022, 2.5,
0.12, 0.024
        1, 0, 0, 0, 6, 2
        1, RIB, 0, 0.15, 0.014, 0, 0, 0,
0, 0, 0
        0
        0
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NO, 0.3571, 0, NO, 0.3571, 0, NO,
0.3571, 0, NO, 0.3571, 0, NO
        2, 0.8333, 0, NO, 0.8333, 0,
NO
        5.125, 1, 5.125,     5.125, 0.2,
0.1,    7.71859, 0, 0.3, 0.167, 1.2, NO,
,
   47,        COMPOSITE        ,        47
 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
        2, 0.012, 2.5, 0.12, 0.022, 2.5,
0.12, 0.016
        1, 0, 0, 0, 6, 2
        1, RIB, 0, 0.15, 0.014, 0, 0, 0,
0, 0, 0
        0
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NO, 0.3571, 0, NO, 0.3571, 0, NO,
0.3571, 0, NO, 0.3571, 0, NO
        2, 0.8333, 0, NO, 0.8333, 0,
NO
        5.125, 1, 5.125,     5.125, 0.2,
0.1,    7.71859, 0, 0.3, 0.167, 1.2, NO,
,
   48,        COMPOSITE        ,        48
 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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0.12, 0.016
        1, 0, 0, 0, 6, 2
        1, RIB, 0, 0.15, 0.014, 0, 0, 0,
0, 0, 0
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NO, 0.3571, 0, NO, 0.3571, 0, NO,
0.3571, 0, NO, 0.3571, 0, NO
        2, 0.8333, 0, NO, 0.8333, 0,
NO
        5.125, 1, 5.125,     5.125, 0.2,
0.1,    7.71859, 0, 0.3, 0.167, 1.2, NO,
,
   49,        COMPOSITE        ,        49
 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
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0.12, 0.016
        1, 0, 0, 0, 6, 6
        1, RIB, 0, 0.15, 0.014, 0, 0, 0,
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0.3571, 0, NO, 0.3571, 0, NO
        5.125, 1, 5.125,     5.125, 0.2,
0.1,    7.71859, 0, 0.3, 0.167, 1.2, NO,
,
   50,        COMPOSITE        ,        50
 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
        2, 0.012, 2.5, 0.12, 0.014, 2.5,
0.12, 0.016
        1, 0, 0, 0, 2, 6
        1, RIB, 0, 0.15, 0.014, 0, 0, 0,
0, 0, 0
        0
        0
        2, 0.8333, 0, NO, 0.8333, 0,
NO
        6, 0.3571, 0, NO, 0.3571, 0,
NO, 0.3571, 0, NO, 0.3571, 0, NO,
0.3571, 0, NO, 0.3571, 0, NO
        5.125, 1, 5.125,     5.125, 0.2,
0.1,    7.71859, 0, 0.3, 0.167, 1.2, NO,
,
   51,        COMPOSITE        ,        51
 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
        2, 0.012, 2.5, 0.12, 0.012, 2.5,
0.12, 0.016
        1, 0, 0, 0, 2, 6
        1, RIB, 0, 0.15, 0.014, 0, 0, 0,
0, 0, 0
        0
        0
        2, 0.8333, 0, NO, 0.8333, 0,
NO
        6, 0.3571, 0, NO, 0.3571, 0,
NO, 0.3571, 0, NO, 0.3571, 0, NO,
0.3571, 0, NO, 0.3571, 0, NO
        5.125, 1, 5.125,     5.125, 0.2,
0.1,    7.71859, 0, 0.3, 0.167, 1.2, NO,
,
   52,        COMPOSITE        ,        52
 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
        2, 0.012, 2.5, 0.12, 0.012, 2.5,
0.12, 0.012
        1, 0, 0, 0, 2, 6
        1, RIB, 0, 0.15, 0.014, 0, 0, 0,
0, 0, 0
        0
        0
        2, 0.8333, 0, NO, 0.8333, 0,
NO
        6, 0.3571, 0, NO, 0.3571, 0,
NO, 0.3571, 0, NO, 0.3571, 0, NO,
0.3571, 0, NO, 0.3571, 0, NO
        5.125, 1, 5.125,     5.125, 0.2,
0.1,    7.71859, 0, 0.3, 0.167, 1.2, NO,
,
   53,        DBUSER        ,        가로보
, CT, 0, 0, 0, 0, 0, 0, YES, NO, H      ,
2, 1.2, 0.3, 0.012, 0.012, 0.3, 0.012, 0,
0, 0, 0
   54,        COMPOSITE        ,        53
 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
        2, 0.012, 2.5, 0.12, 0.018, 2.5,
0.12, 0.026
        1, 0, 0, 0, 6, 2
        1, RIB, 0, 0.15, 0.014, 0, 0, 0,
0, 0, 0
        0
        0
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NO, 0.3571, 0, NO, 0.3571, 0, NO,
0.3571, 0, NO, 0.3571, 0, NO
        2, 0.8333, 0, NO, 0.8333, 0,
NO
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0.1,    7.71859, 0, 0.3, 0.167, 1.2, NO,
,
*STLDCASE     ; Static Load Cases
; LCNAME, LCTYPE, DESC
   자중 , D ,
   방호벽, D ,
   포장 , D ,
   단위하중, USER,
   슬래브, D ,
*CONSTRAINT     ; Supports
;                          NODE_LIST,
CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP
   920, 111000,
   922, 101000,
   689 753 847 1004 1058, 011000,
   683 748 845 1006 1064, 001000,
*OFFSET     ; Beam End Offsets
; ELEM_LIST, TYPE, RGDXi, RGDYi,
RGDZi, RGDXj, RGDYj, RGDZj, GROUP
; TYPE=GLOBAL
; ELEM_LIST, TYPE, RGDi, RGDj,
G        R        O        U        P
; TYPE=ELEMENT
   384, ELEMENT, 1.25, 0,
   385, ELEMENT, 0, 1.25,
   386, ELEMENT, 1.25, 0,
   387, ELEMENT, 0, 1.25,
   388, ELEMENT, 1.25, 0,
   389, ELEMENT, 0, 1.25,
   390, ELEMENT, 1.25, 0,
   391, ELEMENT, 0, 1.25,
   392, ELEMENT, 1.25, 0,
   393, ELEMENT, 0, 1.25,
   394, ELEMENT, 1.25, 0,
   395, ELEMENT, 0, 1.25,
   396, ELEMENT, 1.25, 0,
   397, ELEMENT, 0, 1.25,
   398, ELEMENT, 1.25, 0,
   399, ELEMENT, 0, 1.25,
   400, ELEMENT, 1.25, 0,
   401, ELEMENT, 0, 1.25,
   402, ELEMENT, 1.25, 0,
   403, ELEMENT, 0, 1.25,
   404, ELEMENT, 1.25, 0,
   405, ELEMENT, 0, 1.25,
   406, ELEMENT, 1.25, 0,
   407, ELEMENT, 0, 1.25,
   408, ELEMENT, 1.25, 0,
   409, ELEMENT, 0, 1.25,
   410, ELEMENT, 1.25, 0,
   411, ELEMENT, 0, 1.25,
   412, ELEMENT, 1.25, 0,
   413, ELEMENT, 0, 1.25,
   414, ELEMENT, 1.25, 0,
   415, ELEMENT, 0, 1.25,
   416, ELEMENT, 1.25, 0,
   417, ELEMENT, 0, 1.25,
   418, ELEMENT, 1.25, 0,
   419, ELEMENT, 0, 1.25,
   420, ELEMENT, 1.25, 0,
   421, ELEMENT, 0, 1.25,
   422, ELEMENT, 1.25, 0,
   423, ELEMENT, 0, 1.25,
   424, ELEMENT, 1.25, 0,
   425, ELEMENT, 0, 1.25,
   426, ELEMENT, 1.25, 0,
   427, ELEMENT, 0, 1.25,
   428, ELEMENT, 1.25, 0,
   429, ELEMENT, 0, 1.25,
   430, ELEMENT, 1.25, 0,
   431, ELEMENT, 0, 1.25,
   432, ELEMENT, 1.25, 0,
   433, ELEMENT, 0, 1.25,
   434, ELEMENT, 1.25, 0,
   435, ELEMENT, 0, 1.25,
   436, ELEMENT, 1.25, 0,
   437, ELEMENT, 0, 1.25,
   438, ELEMENT, 1.25, 0,
   439, ELEMENT, 0, 1.25,
   440, ELEMENT, 1.25, 0,
   441, ELEMENT, 0, 1.25,
   442, ELEMENT, 1.25, 0,
   443, ELEMENT, 0, 1.25,
   444, ELEMENT, 1.25, 0,
   445, ELEMENT, 0, 1.25,
   446, ELEMENT, 1.25, 0,
   447, ELEMENT, 0, 1.25,
```

448, ELEMENT, 1.25, 0,
449, ELEMENT, 0, 1.25,
450, ELEMENT, 1.25, 0,
451, ELEMENT, 0, 1.25,
452, ELEMENT, 1.25, 0,
453, ELEMENT, 0, 1.25,
454, ELEMENT, 1.25, 0,
455, ELEMENT, 0, 1.25,
456, ELEMENT, 1.25, 0,
457, ELEMENT, 0, 1.25,
458, ELEMENT, 1.25, 0,
459, ELEMENT, 0, 1.25,
460, ELEMENT, 1.25, 0,
461, ELEMENT, 0, 1.25,
462, ELEMENT, 1.25, 0,
463, ELEMENT, 0, 1.25,
464, ELEMENT, 1.25, 0,
465, ELEMENT, 0, 1.25,
466, ELEMENT, 1.25, 0,
467, ELEMENT, 0, 1.25,
468, ELEMENT, 1.25, 0,
469, ELEMENT, 0, 1.25,
470, ELEMENT, 1.25, 0,
471, ELEMENT, 0, 1.25,
472, ELEMENT, 1.25, 0,
473, ELEMENT, 0, 1.25,
; *LOADTOMASS, DIR, bNODAL, bBEAM, bFLOOR, bPRES, GRAV
; LCNAME1, FACTOR1, LCNAME2, FACTOR2, ... ; from line 1
*LOADTOMASS, XYZ, YES, YES, YES, YES, 9.806
자중, 1, 방호벽, 1, 포장, 1, 슬래브, 1
*USE-STLD, 자중
; *SELFWEIGHT, X, Y, Z, GROUP
*SELFWEIGHT, 0, 0, -1,
; End of data for load case [자중]
----
*USE-STLD, 방호벽
*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, A D D I T I O N A L _ I - E N D , A D D I T I O N A L _ J - E N D , bADDITIONAL_J-END
11, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
11, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
12, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
12, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
13, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
13, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
14, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
14, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
15, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
15, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
16, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
16, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
17, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
17, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
18, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
18, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
19, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
19, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
20, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
20, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
21, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
21, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
22, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
22, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
23, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
23, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
24, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
24, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
25, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
25, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
26, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
26, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
27, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
27, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
28, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
28, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
29, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
29, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
30, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
30, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
31, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
31, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
32, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
32, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
33, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
33, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
34, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
34, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
35, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
35, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
36, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
36, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
37, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
37, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
38, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
38, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
39, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
39, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
40, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
40, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
41, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
41, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
42, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
42, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
43, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
43, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
44, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
44, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
45, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
45, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
46, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
46, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
47, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
47, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
48, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
48, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
49, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
49, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
50, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
50, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
51, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
51, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
52, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
52, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
53, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
53, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
54, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
54, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
55, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
55, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
56, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
56, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
57, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1,

-11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
57, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
58, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
58, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
59, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
59, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
60, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
60, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
61, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
61, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
62, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
62, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
63, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
63, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
64, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
64, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
65, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
65, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
66, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
66, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
67, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
67, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
68, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
68, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
69, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
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76, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
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134, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
135, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
135, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
136, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
136, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
137, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
137, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
138, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
138, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
139, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
139, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
140, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
140, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
141, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
141, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
142, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
142, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
143, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
143, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
144, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
144, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
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146, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
146, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
147, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
147, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
148, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
148, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
149, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
149, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
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150, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
151, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
151, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
152, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
152, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
153, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
153, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
154, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
154, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
155, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
155, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
156, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
156, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
157, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
157, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
158, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
158, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
159, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
159, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
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160, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
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161, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
162, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
162, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
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165, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
165, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
166, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
166, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
167, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
167, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
168, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1,

-11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
168, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
169, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
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175, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
176, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
176, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
177, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
177, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
178, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
178, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
179, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
179, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
180, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
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181, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
181, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
182, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
182, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
183, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
183, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
184, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
184, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
185, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
185, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
186, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
186, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
187, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
187, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
188, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
188, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
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191, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
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374, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
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375, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
376, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
376, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
377, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
377, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
378, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
378, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -24.855, 1, -24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
379, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
379, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
380, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
380, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
381, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
381, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
382, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
382, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
383, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 24.855, 1, 24.855, 0, 0, 0, 0, , NO, 0, 0, NO,
383, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -11.222, 1, -11.222, 0, 0, 0, 0, , NO, 0, 0, NO,
; End of data for load case [방호벽]
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*USE-STLD, 포장
*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, A D D I T I O N A L _ I - E N D , A D D I T I O N A L _ J - E N D , bADDITIONAL_J-END
11, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
12, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
13, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
14, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
15, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
16, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
17, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
18, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
19, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
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0, 0, 0, , NO, 0, 0, NO,
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87, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
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149, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
150, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
151, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
152, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
153, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
154, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
155, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
156, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
157, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0,

0, 0, 0, , NO, 0, 0, NO,
158, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
159, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
160, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
161, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
162, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
163, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
164, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
165, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
166, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
167, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
168, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
169, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
170, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
171, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
172, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
173, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
174, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
175, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
176, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
177, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
178, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
179, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
180, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
181, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
182, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
183, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
184, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
185, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
186, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
187, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
188, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
189, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
190, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
191, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
192, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
374, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
375, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
376, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
377, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
378, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
379, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
380, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
381, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
382, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
383, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.43, 1, -9.43, 0, 0, 0, 0, , NO, 0, 0, NO,
; End of data for load case [포장]
---
*USE-STLD, 단위하중
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
683, 0, 0, 0, 0.5, 0.5, 0,
689, 0, 0, 0, 0.5, 0.5, 0,
1058, 0, 0, 0, 0.5, -0.5, 0,
1064, 0, 0, 0, 0.5, -0.5, 0,
; End of data for load case [단위하중]
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*USE-STLD, 슬래브
*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, A D D I T I O N A L _ I - E N D , A D D I T I O N A L _ J - E N D , bADDITIONAL_J-END
11, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
11, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -2.883, 1, -2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
12, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 2.883, 1, 2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
12, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
13, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
13, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -2.883, 1, -2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
14, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
14, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 2.883, 1, 2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
15, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -2.883, 1, -2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
15, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
16, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -2.883, 1, -2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
16, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
17, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
17, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 2.883, 1, 2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
18, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
18, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 2.883, 1, 2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
19, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
19, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -2.883, 1, -2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
20, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
20, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 2.883, 1, 2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
21, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
21, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -2.883, 1, -2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
22, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
22, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -2.883, 1, -2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
23, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 2.883, 1, 2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
23, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
24, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 2.883, 1, 2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
24, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
25, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -2.883, 1, -2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
25, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
26, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
26, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -2.883, 1, -2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
27, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
27, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 2.883, 1, 2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
28, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
28, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 2.883, 1, 2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
29, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
29, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -2.883, 1, -2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
30, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 2.883, 1, 2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
30, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
31, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -2.883, 1, -2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
31, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
32, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 2.883, 1, 2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
32, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
33, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
33, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -2.883, 1, -2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
34, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -2.883, 1, -2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
34, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
35, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 2.883, 1, 2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
35, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
36, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 2.883, 1, 2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
36, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
37, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -2.883, 1, -2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
37, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
38, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
38, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 2.883, 1, 2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
39, BEAM , UNILOAD, GZ, NO ,

NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
39, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -2.883, 1, -2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
40, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -2.883, 1, -2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
40, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
41, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 2.883, 1, 2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
41, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
42, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
42, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 2.883, 1, 2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
43, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
43, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -2.883, 1, -2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
44, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
44, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -2.883, 1, -2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
45, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
45, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 2.883, 1, 2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
46, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 2.883, 1, 2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
46, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
47, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
47, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -2.883, 1, -2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
48, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
48, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 2.883, 1, 2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
49, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -2.883, 1, -2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
49, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
50, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
50, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -2.883, 1, -2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
51, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
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121, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -2.883, 1, -2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
122, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
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123, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
124, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 2.883, 1, 2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
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126, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
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127, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
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190, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 2.883, 1, 2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
191, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
191, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -2.883, 1, -2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
192, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 2.883, 1, 2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
192, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
374, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
374, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -2.883, 1, -2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
375, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -2.883, 1, -2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
375, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
376, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -2.883, 1, -2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
376, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
377, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -2.883, 1, -2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
377, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
378, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -2.883, 1, -2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
378, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
379, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
379, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 2.883, 1, 2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
380, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
380, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 2.883, 1, 2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
381, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 2.883, 1, 2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
381, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
382, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
382, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 2.883, 1, 2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
383, BEAM , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 2.883, 1, 2.883, 0, 0, 0, 0, , NO, 0, 0, NO,
383, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -25.625, 1, -25.625, 0, 0, 0, 0, , NO, 0, 0, NO,
; End of data for load case [슬래브]
---
*MVLDCODE ; Moving Load Code
; CODE=CODE
CODE=KOREA
*LINELANE ; Traffic Line Lanes
; NAME=NAME, LDIST, GROUP, SKEWS, SKEWE, MOVING, LW, WS, bLANEOPT, ALLOWWIDTH ; line 1
; iELEM1, ECC1, FACT1, bSPAN1, ECCVL...
; from line 2
NAME=L1, LANE, , 0, 0, BOTH, 3, 1.8, NO, 3
374, 2.2, 0.188, YES, 0, 375, 2.2, 0.188, NO, 0

376, 2.2, 0.188, NO, 0, 377, 2.2, 0.188, NO, 0
378, 2.2, 0.188, NO, 0, 11, 2.2, 0.188, NO, 0
13, 2.2, 0.188, NO, 0, 15, 2.2, 0.188, NO, 0
16, 2.2, 0.188, NO, 0, 19, 2.2, 0.188, NO, 0
21, 2.2, 0.188, NO, 0, 22, 2.2, 0.188, NO, 0
25, 2.2, 0.188, NO, 0, 26, 2.2, 0.188, NO, 0
29, 2.2, 0.188, NO, 0, 31, 2.2, 0.188, NO, 0
33, 2.2, 0.188, NO, 0, 34, 2.2, 0.154, NO, 0
37, 2.2, 0.154, NO, 0, 39, 2.2, 0.154, NO, 0
40, 2.2, 0.154, NO, 0, 43, 2.2, 0.154, NO, 0
44, 2.2, 0.154, NO, 0, 191, 2.2, 0.154, NO, 0
47, 2.2, 0.154, NO, 0, 49, 2.2, 0.154, NO, 0
50, 2.2, 0.154, NO, 0, 53, 2.2, 0.154, NO, 0
54, 2.2, 0.154, NO, 0, 55, 2.2, 0.154, NO, 0
56, 2.2, 0.154, NO, 0, 57, 2.2, 0.154, NO, 0
63, 2.2, 0.154, NO, 0, 65, 2.2, 0.154, NO, 0
67, 2.2, 0.154, NO, 0, 69, 2.2, 0.154, NO, 0
70, 2.2, 0.154, NO, 0, 73, 2.2, 0.154, NO, 0
75, 2.2, 0.154, NO, 0, 76, 2.2, 0.154, NO, 0
79, 2.2, 0.154, NO, 0, 80, 2.2, 0.188, NO, 0
83, 2.2, 0.188, NO, 0, 85, 2.2, 0.188, NO, 0
87, 2.2, 0.188, NO, 0, 88, 2.2, 0.188, NO, 0
89, 2.2, 0.188, NO, 0, 93, 2.2, 0.188, NO, 0
95, 2.2, 0.188, NO, 0, 97, 2.2, 0.188, NO, 0
98, 2.2, 0.188, NO, 0, 101, 2.2, 0.188, NO, 0
103, 2.2, 0.188, NO, 0, 105, 2.2, 0.188, NO, 0
106, 2.2, 0.188, NO, 0, 107, 2.2, 0.188, NO, 0
108, 2.2, 0.188, NO, 0, 113, 2.2, 0.188, NO, 0
115, 2.2, 0.188, NO, 0, 117, 2.2, 0.188, NO, 0
118, 2.2, 0.188, NO, 0, 121, 2.2, 0.188, NO, 0
123, 2.2, 0.188, NO, 0, 125, 2.2, 0.188, NO, 0
126, 2.2, 0.188, NO, 0, 129, 2.2, 0.188, NO, 0
130, 2.2, 0.188, NO, 0, 133, 2.2, 0.188, NO, 0
135, 2.2, 0.188, NO, 0, 136, 2.2, 0.188, NO, 0
137, 2.2, 0.188, NO, 0, 138, 2.2, 0.188, NO, 0
143, 2.2, 0.188, NO, 0, 144, 2.2, 0.188, NO, 0
147, 2.2, 0.188, NO, 0, 149, 2.2, 0.188, NO, 0
150, 2.2, 0.188, NO, 0, 153, 2.2, 0.188, NO, 0
154, 2.2, 0.188, NO, 0, 157, 2.2, 0.188, NO, 0
159, 2.2, 0.188, NO, 0, 160, 2.2, 0.194, NO, 0
163, 2.2, 0.194, NO, 0, 164, 2.2, 0.194, NO, 0
167, 2.2, 0.194, NO, 0, 169, 2.2, 0.194, NO, 0
170, 2.2, 0.194, NO, 0, 173, 2.2, 0.194, NO, 0
174, 2.2, 0.194, NO, 0, 175, 2.2, 0.194, NO, 0
176, 2.2, 0.194, NO, 0, 181, 2.2, 0.194, NO, 0
183, 2.2, 0.194, NO, 0, 184, 2.2, 0.194, NO, 0
185, 2.2, 0.194, NO, 0, 186, 2.2, 0.194, NO, 0
NAME=L2, LANE, , 0, 0, BOTH, 3, 1.8, NO, 3
379, 0.45, 0.188, YES, 0, 380, 0.45, 0.188, NO, 0
381, 0.45, 0.188, NO, 0, 382, 0.45, 0.188, NO, 0
383, 0.45, 0.188, NO, 0, 12, 0.45, 0.188, NO, 0
14, 0.45, 0.188, NO, 0, 17, 0.45, 0.188, NO, 0
18, 0.45, 0.188, NO, 0, 20, 0.45, 0.188, NO, 0
23, 0.45, 0.188, NO, 0, 24, 0.45, 0.188, NO, 0
27, 0.45, 0.188, NO, 0, 28, 0.45, 0.188, NO, 0
30, 0.45, 0.188, NO, 0, 32, 0.45, 0.188, NO, 0
35, 0.45, 0.188, NO, 0, 36, 0.45, 0.154, NO, 0
38, 0.45, 0.154, NO, 0, 41, 0.45, 0.154, NO, 0
42, 0.45, 0.154, NO, 0, 45, 0.45, 0.154, NO, 0
46, 0.45, 0.154, NO, 0, 192, 0.45, 0.154, NO, 0
48, 0.45, 0.154, NO, 0, 51, 0.45, 0.154, NO, 0
52, 0.45, 0.154, NO, 0, 58, 0.45, 0.154, NO, 0
59, 0.45, 0.154, NO, 0, 60, 0.45, 0.154, NO, 0
61, 0.45, 0.154, NO, 0, 62, 0.45, 0.154, NO, 0
64, 0.45, 0.154, NO, 0, 66, 0.45, 0.154, NO, 0
68, 0.45, 0.154, NO, 0, 71, 0.45, 0.154, NO, 0
72, 0.45, 0.154, NO, 0, 74, 0.45, 0.154, NO, 0
77, 0.45, 0.154, NO, 0, 78, 0.45, 0.154, NO, 0
81, 0.45, 0.154, NO, 0, 82, 0.45, 0.188, NO, 0
84, 0.45, 0.188, NO, 0, 86, 0.45, 0.188, NO, 0
90, 0.45, 0.188, NO, 0, 91, 0.45, 0.188, NO, 0
92, 0.45, 0.188, NO, 0, 94, 0.45, 0.188, NO, 0
96, 0.45, 0.188, NO, 0, 99, 0.45, 0.188, NO, 0
100, 0.45, 0.188, NO, 0, 102, 0.45, 0.188, NO, 0
104, 0.45, 0.188, NO, 0, 109, 0.45, 0.188, NO, 0
110, 0.45, 0.188, NO, 0, 111, 0.45, 0.188, NO, 0
112, 0.45, 0.188, NO, 0, 114, 0.45, 0.188, NO, 0
116, 0.45, 0.188, NO, 0, 119, 0.45, 0.188, NO, 0
120, 0.45, 0.188, NO, 0, 122, 0.45, 0.188, NO, 0
124, 0.45, 0.188, NO, 0, 127, 0.45, 0.188, NO, 0
128, 0.45, 0.188, NO, 0, 131, 0.45, 0.188, NO, 0
132, 0.45, 0.188, NO, 0, 134, 0.45, 0.188, NO, 0
139, 0.45, 0.188, NO, 0, 140, 0.45, 0.188, NO, 0
141, 0.45, 0.188, NO, 0, 142, 0.45, 0.188, NO, 0
145, 0.45, 0.188, NO, 0, 146, 0.45, 0.188, NO, 0
148, 0.45, 0.188, NO, 0, 151, 0.45, 0.188, NO, 0
152, 0.45, 0.188, NO, 0, 155, 0.45, 0.188, NO, 0
156, 0.45, 0.188, NO, 0, 158, 0.45, 0.188, NO, 0
161, 0.45, 0.188, NO, 0, 162, 0.45, 0.194, NO, 0
165, 0.45, 0.194, NO, 0, 166, 0.45, 0.194, NO, 0
168, 0.45, 0.194, NO, 0, 171, 0.45, 0.194, NO, 0
172, 0.45, 0.194, NO, 0, 177, 0.45, 0.194, NO, 0
178, 0.45, 0.194, NO, 0, 179, 0.45, 0.194, NO, 0
180, 0.45, 0.194, NO, 0, 182, 0.45, 0.194, NO, 0
187, 0.45, 0.194, NO, 0, 188, 0.45, 0.194, NO, 0
189, 0.45, 0.194, NO, 0, 190, 0.45, 0.194, 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, W I D T H ; 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, N D I S T ; 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, ADDDATA, AL, CA, LL ; 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, [B S - D A T A - H B] ; 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, d D Y N A F A C _ U D L ; bFATI, nLOADFAC, dLOADFAC, dLOADFAC_UDL, s1[3], s1_UDL[3] ; 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, d L O A D F A C , ; 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, d D Y N A F A C _ U D L ; bFATI, nLOADFAC, dLOADFAC, dLOADFAC_UDL, s1[3], s1_UDL[3] ; user (Type 1)
; NAME=NAME, 2, iTYPE, nDYNAFAC, dDYNAFAC, dEMPTYCAR ; bFATI, nLOADFAC, d L O A D F A C , ; 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, nLANELOAD, L, CONVERTDIST ; standard
; NAME=NAME, 2, 8, L1, W1, W2, EXP, dDYNAFAC, nLANELOAD, L, CONVERTDIST ; user: line 1 (Type 1)
; NAME=NAME, 2, 1, W1, W2, D1, D2, 0, 0, 0, 0, NO ; user: line 1 (Type 2)
; NAME=NAME, 2, 6, LOADNUM, DIST, W, L, 0, 0, 0, NO ; user: line 1 (Type 3)
; LOAD1, DIST1, (DIST2_1), LOAD2, DIST2, (DIST2_2), ... ; user: from line 2
; if Moving Load Code is South Africa
; NAME=NAME, 1, TYPE-NAME, CODE, bINCREL, dINCREL ; standard NA
; NAME=NAME, 1, TYPE-NAME, CODE, UNITNUM ; standard NB
; NAME=NAME, 1, TYPE-NAME, CODE, OPPOSITE ; standard NC
; NAME=NAME, 2, TYPE, W1, L, W2, W3, PA, bINCREL, dINCREL ; user NA
; NAME=NAME, 2, TYPE, PB, UNITNUM, DELTA, D1, D2 ; user NB
; NAME=NAME, 2, TYPE, P, OPPOSITE, NUM1, NUM2, NUM3 [DIST1], [DIST2], [DIST3] ; user NC
; if Load Type is Permit Truck
; NAME=NAME, 3, AXLE-TYPE-NUM, I M P - F A C T O R ; 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, C O D E ; 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, nLCTYPE, 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, nLCTYPE, VEHICLE, REFLANE, ECCEN, SCALE, DESC ; Permit
; NAME=NAME, nLCTYPE, DESC, bOPTIM, SUBLANEW, MINSPACING, MARGIN, LANE, MINNUM, MAXNUM, SERIAL ; Traffic Lane Optimization
; TYPE1, VCLASS1, SCALE1... ; Traffic Lane Optimization 1st line
; ...
; Traffic Lane Optimization ...
; TYPEn, VCLASSn, SCALEn... ; Traffic Lane Optimization n+1th line
NAME=활하중, 0, 1, 1, 0.9, 0.75, 0.75, 0.75, 0.75, INDEPENDENT, , 0, 1
1, 1, 1, 1, 1, 0.5, 0.25
VL, DB-24, 1, 1, 2, L1, L2
VL, DL-24, 1, 1, 2, L1, L2
*SM-GROUP ; Settlement Group
; GRNAME, DISPLACEMENT, NODE_LIST
A1, -0.01, 683 689
P1, -0.01, 748 753
P2, -0.01, 845 847
P3, -0.01, 920 922
P4, -0.01, 1004 1006
P5, -0.01, 1058 1064
*SMLDCASE ; Settlement Load Cases
; NAME=NAME, iSMIN, iSMAX, SCALE, DESC ; line 1
; GRNAME1, GRNAME2, ... ; from line 2
NAME=지점침하, 1, 5, 1,
A1, P1, P2, P3, P4, P5
*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, 1
NAME=합성후, GEN, ACTIVE, 0, 0, , 0, 0
ST, 방호벽, 1, ST, 포장, 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)
MV, 활하중, 0, 128, 255, 255, 0, 192, 192, 72, 0
SM, 지점침하, 0, 128, 192, 0, 157, 192, 160, 192, 255
ST, 자중, 192, 192, 0, 146, 0, 255, 192, 0, 128
ST, 방호벽, 255, 128, 0, 210, 210, 210, 192, 0, 192
ST, 포장, 163, 160, 255, 255, 0, 192, 0, 192, 128
ST, 난위하중, 255, 160, 255, 255, 255, 87, 0, 128, 57
ST, 슬래브, 85, 192, 0, 192, 0, 192, 146, 0, 255
CB, 합성전, 0, 192, 192, 192, 72, 0, 255, 0, 128
CB, 합성후, 255, 87, 87, 255, 0, 192, 160, 255, 255
CB, 고정하중, 192, 128, 0, 160, 192, 255, 255, 160, 255
*EIGEN-CTRL ; Eigenvalue Analysis Control
; TYPE, iFREQ, iITER, iDIM, TOL, bMINMAX, FRMIN, FRMAX, bSTRUM ; TYPE=EIGEN
; TYPE, bINCNL, iGNUM ; TYPE=RITZ(line 1)
; KIND1, CASE1/GROUND1, iNOG1, ... ; TYPE=RITZ(from line2)
LANCZOS, 30, 20, 1, 1e-010, NO, 0, 0, NO
*DGN-MATL ; Modify Steel(Concrete) Material
; iMAT, TYPE, MNAME, [DATA1] ; STEEL
; iMAT, TYPE, MNAME, [DATA2], [R-DATA], FCI, bSERV, SHORT, LONG ; CONC

; iMAT, TYPE, MNAME, [DATA3], [DATA2], [R-DATA] ;
SRC
; iMAT, TYPE, MNAME, [DATA5] ;
STEEL(None) & KSCE-ASD05
; [DATA1] : 1, DB, CODE, NAME or 2, ELAST, POISN, FU, FY1, FY2, FY3, FY4
; FY5, FY6, AFT, AFT2, AFT3, FY, AFV, AFV2, AFV3
; [DATA2] : 1, DB, CODE, NAME or 2, FC, CHK, LAMBDA
; [DATA3] : 1, DB, CODE, NAME or 2, ELAST, FU, FY1, FY2, FY3, FY4
; FY5, FY6, AFT, AFT2, AFT3, FY, AFV, AFV2, AFV3
; [DATA4] : 1, DB, CODE, NAME or 2, FC
; [DATA5] : 3, ELAST, POISN, AL1, AL2, AL3, AL4, AL5, AL6, AL7, AL8, AL9, AL10
; MIN1, MIN2, MIN3
; [R-DATA]: RBCODE, RBMAIN, RBSUB, FY(R), FYS
1, CONC , C27 , 1, KS01(RC) , ,C27 , NO, 1, , , , 0, 0, 18900, NO, 0, 0, , , , 0, NO, 1, , , 0, 0, 0
2, STEEL, SM490 , 1, KS-Civil(S), ,SM490 , 1, KSCE-LSD15(RC), , , , , 0, 0,NO,0.0000e+000, 0,, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,0.0000e+000, 0,, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,0.0000e+000, 0,, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,
3, STEEL, SM400 , 1, KS-Civil(S), ,SM400 , 1, KSCE-LSD15(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,
*ENDDATA