付録 A　　入力データ

```
 1 >NECH
 2 >FEAP   CRS(Minami-Honmoku,  98kPa)
 3 >    29     6     1     2     3     8     3     1     1
 4 >RNUM
 5 >ELEM
 6 >     1     1     1     3    14    12     2     9    13     8
 7 >     2     1     3     5    16    14     4    10    15     9
 8 >     3     1     5     7    18    16     6    11    17    10
 9 >     4     1    12    14    25    23    13    20    24    19
10 >     5     1    14    16    27    25    15    21    26    20
11 >     6     1    16    18    29    27    17    22    28    21
12 >
13 >COOR
14 >     1     0 0.0000000 0.0000000
15 >     2     0 0.5000000 0.0000000
16 >     3     0 1.0000000 0.0000000
17 >     4     0 1.5000000 0.0000000
18 >     5     0 2.0000000 0.0000000
19 >     6     0 2.5000000 0.0000000
20 >     7     0 3.0000000 0.0000000
21 >     8     0 0.0000000 0.5000000
22 >     9     0 1.0000000 0.5000000
23 >    10     0 2.0000000 0.5000000
24 >    11     0 3.0000000 0.5000000
25 >    12     0 0.0000000 1.0000000
26 >    13     0 0.5000000 1.0000000
27 >    14     0 1.0000000 1.0000000
28 >    15     0 1.5000000 1.0000000
29 >    16     0 2.0000000 1.0000000
30 >    17     0 2.5000000 1.0000000
31 >    18     0 3.0000000 1.0000000
32 >    19     0 0.0000000 1.5000000
33 >    20     0 1.0000000 1.5000000
34 >    21     0 2.0000000 1.5000000
35 >    22     0 3.0000000 1.5000000
36 >    23     0 0.0000000 2.0000000
37 >    24     0 0.5000000 2.0000000
38 >    25     0 1.0000000 2.0000000
```

```
      0        10        20        30        40        50        60        70        80        90        0         10        20        30
 39 >    26      0 1.5000000 2.0000000
 40 >    27      0 2.0000000 2.0000000
 41 >    28      0 2.5000000 2.0000000
 42 >    29      0 3.0000000 2.0000000
 43 >
 44 >
 45 >STBO
 46 >0.0,0.0,3.00,0.0,1,1,0,
 47 >
 48 >STBO
 49 >0.0,0.0,0.0,2.00,1,0,0,
 50 >
 51 >STBO
 52 >3.00,0.0,3.00,2.00,1,0,0,
 53 >
 54 >STBO
 55 >0.0,2.00,3.00,2.00,0,0,1,
 56 >
 57 >
 58 >
 59 >BOUN
 60 >23,0,1,1,0,
 61 >24,0,1,1,0,
 62 >25,0,1,1,0,
 63 >26,0,1,1,0,
 64 >27,0,1,1,0,
 65 >28,0,1,1,0,
 66 >29,0,1,1,0,
 67 >
 68 >
 69 >
 70 >FORC
 71 >23,0,0.0,-1.0,0.0,
 72 >24,0,0.0,-1.0,0.0,
 73 >25,0,0.0,-1.0,0.0,
 74 >26,0,0.0,-1.0,0.0,
 75 >27,0,0.0,-1.0,0.0,
 76 >28,0,0.0,-1.0,0.0,
      0        10        20        30        40        50        60        70        80        90        0         10        20        30
```

```
      0        10        20        30        40        50        60        70        80        90        0        10        20        30
 77 >29,0,0.0,-1.0,0.0,
 78 >
 79 >
 80 >
 81 >DRAI
 82 >
 83 >
 84 >
 85 >MATE
 86 >     1     1
 87 >     315100           0 0.3330000    0.00000          2          0          0       1.20
 88 >     0.3910     0.0220       2.300    0.00000      0.250        1.0        1.0  -1.20E-3
 89 >  -1.20E-3
 90 >
 91 >END
 92 >MACR
 93 >INIT
 94 >PROP          1.0
 95 >DT           10.0
 96 >LOOP       3000.0
 97 >NTIM
 98 >FORM
 99 >UTAN
100 >SOLV
101 >INCR
102 >STRE         30.0
103 >DISP         30.0
104 >STRF         30.0
105 >DISF         30.0
106 >NEXT
107 >DT           10.0
108 >LOOP       8000.0
109 >NTIM
110 >FORM
111 >UTAN
112 >SOLV
113 >INCR
114 >STRE         80.0
      0        10        20        30        40        50        60        70        80        90        0        10        20        30
```

```
      0        10        20        30        40        50        60        70        80        90        0         10        20        30
 115 >DISP          80.0
 116 >STRF          80.0
 117 >DISF          80.0
 118 >NEXT
 119 >END
 120 >1,-10.0,0.00,0.50,-1000.0,0.0,0.50,
 121 >0,0,0.0,120000.0,0.0,6.67E-6,
 122 >END
 123 >STOP
```

0 10 20 30 40 50 60 70 80 90 0 10 20 30

```
 1 >NECH
 2 >FEAP   CRS(Minami-Honmoku, 98kPa,  jyoka)
 3 >    29     6     1     2     3     8     3     1     2
 4 >RNUM
 5 >ELEM
 6 >     1     1     1     3    14    12     2     9    13     8
 7 >     2     1     3     5    16    14     4    10    15     9
 8 >     3     1     5     7    18    16     6    11    17    10
 9 >     4     1    12    14    25    23    13    20    24    19
10 >     5     1    14    16    27    25    15    21    26    20
11 >     6     1    16    18    29    27    17    22    28    21
12 >
13 >COOR
14 >     1     0 0.0000000 0.0000000
15 >     2     0 0.5000000 0.0000000
16 >     3     0 1.0000000 0.0000000
17 >     4     0 1.5000000 0.0000000
18 >     5     0 2.0000000 0.0000000
19 >     6     0 2.5000000 0.0000000
20 >     7     0 3.0000000 0.0000000
21 >     8     0 0.0000000 0.5000000
22 >     9     0 1.0000000 0.5000000
23 >    10     0 2.0000000 0.5000000
24 >    11     0 3.0000000 0.5000000
25 >    12     0 0.0000000 1.0000000
26 >    13     0 0.5000000 1.0000000
27 >    14     0 1.0000000 1.0000000
28 >    15     0 1.5000000 1.0000000
29 >    16     0 2.0000000 1.0000000
30 >    17     0 2.5000000 1.0000000
31 >    18     0 3.0000000 1.0000000
32 >    19     0 0.0000000 1.5000000
33 >    20     0 1.0000000 1.5000000
34 >    21     0 2.0000000 1.5000000
35 >    22     0 3.0000000 1.5000000
36 >    23     0 0.0000000 2.0000000
37 >    24     0 0.5000000 2.0000000
38 >    25     0 1.0000000 2.0000000
```

```
     0        10        20        30        40        50        60        70        80        90        0         10        20        30
39 >    26      0 1.5000000 2.0000000
40 >    27      0 2.0000000 2.0000000
41 >    28      0 2.5000000 2.0000000
42 >    29      0 3.0000000 2.0000000
43 >
44 >
45 >STBO
46 >0.0,0.0,3.00,0.0,1,1,0,
47 >
48 >STBO
49 >0.0,0.0,0.0,2.00,1,0,0,
50 >
51 >STBO
52 >3.00,0.0,3.00,2.00,1,0,0,
53 >
54 >STBO
55 >0.0,2.00,3.00,2.00,0,0,1,
56 >
57 >
58 >
59 >BOUN
60 >23,0,1,1,0,
61 >24,0,1,1,0,
62 >25,0,1,1,0,
63 >26,0,1,1,0,
64 >27,0,1,1,0,
65 >28,0,1,1,0,
66 >29,0,1,1,0,
67 >
68 >
69 >
70 >FORC
71 >23,0,0.0,-1.0,0.0,0.0,1.0,0.0,
72 >24,0,0.0,-1.0,0.0,0.0,1.0,0.0,
73 >25,0,0.0,-1.0,0.0,0.0,1.0,0.0,
74 >26,0,0.0,-1.0,0.0,0.0,1.0,0.0,
75 >27,0,0.0,-1.0,0.0,0.0,1.0,0.0,
76 >28,0,0.0,-1.0,0.0,0.0,1.0,0.0,
     0        10        20        30        40        50        60        70        80        90        0         10        20        30
```

```
      0        10        20        30        40        50        60        70        80        90        0        10        20        30
  77 >29,0,0.0,-1.0,0.0,0.0,1.0,0.0,
  78 >
  79 >
  80 >
  81 >DRAI
  82 >
  83 >
  84 >
  85 >MATE
  86 >     1     1
  87 >     315100           0 0.3330000   0.00000         2         0         0      1.20
  88 >     0.3910     0.0220      2.300   0.00000     0.250       1.0       1.0  -1.20E-3
  89 >  -1.20E-3
  90 >
  91 >END
  92 >MACR
  93 >INIT
  94 >PROP          1.0
  95 >DT           10.0
  96 >LOOP       3000.0
  97 >NTIM
  98 >FORM
  99 >UTAN
 100 >SOLV
 101 >INCR
 102 >STRE         60.0
 103 >DISP         60.0
 104 >STRF         60.0
 105 >DISF         60.0
 106 >NEXT
 107 >DT           20.0
 108 >LOOP       1000.0
 109 >NTIM
 110 >FORM
 111 >UTAN
 112 >SOLV
 113 >INCR
 114 >STRE         20.0
      0        10        20        30        40        50        60        70        80        90        0        10        20        30
```

```
      0        10        20        30        40        50        60        70        80        90        0         10        20        30
115 >DISP          20.0
116 >STRF          20.0
117 >DISF          20.0
118 >NEXT
119 >DT             5.0
120 >LOOP        1000.0
121 >NTIM
122 >FORM
123 >UTAN
124 >SOLV
125 >INCR
126 >STRE          10.0
127 >DISP          10.0
128 >STRF          10.0
129 >DISF          10.0
130 >NEXT
131 >END
132 >1,-10.0,0.00,0.50,-1000.0,0.0,0.50,
133 >0,0,0.0,50000.0,0.0,6.67E-6,
134 >0,0,50000.0,120000.0,-0.3335,6.67E-6,
135 >END
136 >STOP
```

```
 1 >NECH
 2 >FEAP   CRS(Minami-Honmoku,  98kPa,  saisaika)
 3 >    29     6     1     2     3     8     3     1     3
 4 >RNUM
 5 >ELEM
 6 >     1     1     1     3    14    12     2     9    13     8
 7 >     2     1     3     5    16    14     4    10    15     9
 8 >     3     1     5     7    18    16     6    11    17    10
 9 >     4     1    12    14    25    23    13    20    24    19
10 >     5     1    14    16    27    25    15    21    26    20
11 >     6     1    16    18    29    27    17    22    28    21
12 >
13 >COOR
14 >     1     0 0.0000000 0.0000000
15 >     2     0 0.5000000 0.0000000
16 >     3     0 1.0000000 0.0000000
17 >     4     0 1.5000000 0.0000000
18 >     5     0 2.0000000 0.0000000
19 >     6     0 2.5000000 0.0000000
20 >     7     0 3.0000000 0.0000000
21 >     8     0 0.0000000 0.5000000
22 >     9     0 1.0000000 0.5000000
23 >    10     0 2.0000000 0.5000000
24 >    11     0 3.0000000 0.5000000
25 >    12     0 0.0000000 1.0000000
26 >    13     0 0.5000000 1.0000000
27 >    14     0 1.0000000 1.0000000
28 >    15     0 1.5000000 1.0000000
29 >    16     0 2.0000000 1.0000000
30 >    17     0 2.5000000 1.0000000
31 >    18     0 3.0000000 1.0000000
32 >    19     0 0.0000000 1.5000000
33 >    20     0 1.0000000 1.5000000
34 >    21     0 2.0000000 1.5000000
35 >    22     0 3.0000000 1.5000000
36 >    23     0 0.0000000 2.0000000
37 >    24     0 0.5000000 2.0000000
38 >    25     0 1.0000000 2.0000000
```

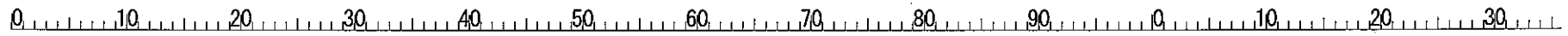
```
      0        10        20        30        40        50        60        70        80        90        0         10        20        30
39 >    26      0 1.5000000 2.0000000
40 >    27      0 2.0000000 2.0000000
41 >    28      0 2.5000000 2.0000000
42 >    29      0 3.0000000 2.0000000
43 >
44 >
45 >STBO
46 >0.0,0.0,3.00,0.0,1,1,0,
47 >
48 >STBO
49 >0.0,0.0,0.0,2.00,1,0,0,
50 >
51 >STBO
52 >3.00,0.0,3.00,2.00,1,0,0,
53 >
54 >STBO
55 >0.0,2.00,3.00,2.00,0,0,1,
56 >
57 >
58 >
59 >BOUN
60 >23,0,1,1,0,
61 >24,0,1,1,0,
62 >25,0,1,1,0,
63 >26,0,1,1,0,
64 >27,0,1,1,0,
65 >28,0,1,1,0,
66 >29,0,1,1,0,
67 >
68 >
69 >
70 >FORC
71 >23,0,0.0,-1.0,0.0,0.0,1.0,0.0,0.0,
72 >-1.0,0.0,
73 >24,0,0.0,-1.0,0.0,0.0,1.0,0.0,0.0,
74 >-1.0,0.0,
75 >25,0,0.0,-1.0,0.0,0.0,1.0,0.0,0.0,
76 >-1.0,0.0,
      0        10        20        30        40        50        60        70        80        90        0         10        20        30
```

```
 77 >26, 0, 0.0, -1.0, 0.0, 0.0, 1.0, 0.0, 0.0,
 78 >-1.0, 0.0,
 79 >27, 0, 0.0, -1.0, 0.0, 0.0, 1.0, 0.0, 0.0,
 80 >-1.0, 0.0,
 81 >28, 0, 0.0, -1.0, 0.0, 0.0, 1.0, 0.0, 0.0,
 82 >-1.0, 0.0,
 83 >29, 0, 0.0, -1.0, 0.0, 0.0, 1.0, 0.0, 0.0,
 84 >-1.0, 0.0,
 85 >
 86 >
 87 >
 88 >DRAI
 89 >
 90 >
 91 >
 92 >MATE
 93 >     1     1
 94 >     315100           0 0.3330000    0.00000          2          0          0       1.20
 95 >     0.3910     0.0220       2.300    0.00000      0.250        1.0        1.0  -1.20E-3
 96 >  -1.20E-3
 97 >
 98 >END
 99 >MACR
100 >INIT
101 >PROP           1.0
102 >DT            10.0
103 >LOOP        3000.0
104 >NTIM
105 >FORM
106 >UTAN
107 >SOLV
108 >INCR
109 >STRE         100.0
110 >DISP         100.0
111 >STRF         100.0
112 >DISF         100.0
113 >NEXT
114 >DT            20.0
```

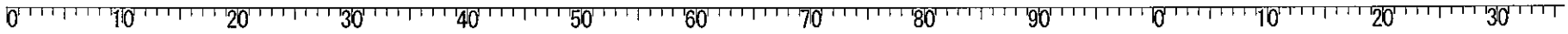
```
      0        10        20        30        40        50        60        70        80        90        0         10        20        30
 115 >LOOP       1000.0
 116 >NTIM
 117 >FORM
 118 >UTAN
 119 >SOLV
 120 >INCR
 121 >STRE         50.0
 122 >DISP         50.0
 123 >STRF         50.0
 124 >DISF         50.0
 125 >NEXT
 126 >DT            5.0
 127 >LOOP       1000.0
 128 >NTIM
 129 >FORM
 130 >UTAN
 131 >SOLV
 132 >INCR
 133 >STRE         20.0
 134 >DISP         20.0
 135 >STRF         20.0
 136 >DISF         20.0
 137 >NEXT
 138 >DT           10.0
 139 >LOOP       4500.0
 140 >NTIM
 141 >FORM
 142 >UTAN
 143 >SOLV
 144 >INCR
 145 >STRE         45.0
 146 >DISP         45.0
 147 >STRF         45.0
 148 >DISF         45.0
 149 >NEXT
 150 >END
 151 >1,-10.0,0.00,0.50,-1000.0,0.0,0.50,
 152 >0,0,0.0,50000.0,0.0,6.67E-6,,
      0        10        20        30        40        50        60        70        80        90        0         10        20        30
```

```
      0        10        20        30        40        50        60        70        80        90        0         10        20        30
  153 >0, 0, 50000.0, 55000.0, -0.3335, 6.67E-6,
  154 >0, 0, 55000.0, 100000.0, -0.36685, 6.67E-6,
  155 >END
  156 >STOP
```

```
 1 >NECH
 2 >FEAP   (Genjiban-model saika)
 3 >   103    20     3     2     3     8     0     1     1
 4 >RNUM
 5 >ELEM
 6 >     1     1     1     3     8     6     2     5     7     4
 7 >     2     1    13    11     6     8    12     9     7    10
 8 >     3     1    18    16    11    13    17    14    12    15
 9 >     4     1    23    21    16    18    22    19    17    20
10 >     5     1    28    26    21    23    27    24    22    25
11 >     6     1    33    31    26    28    32    29    27    30
12 >     7     1    38    36    31    33    37    34    32    35
13 >     8     1    43    41    36    38    42    39    37    40
14 >     9     1    48    46    41    43    47    44    42    45
15 >    10     1    53    51    46    48    52    49    47    50
16 >    11     1    58    56    51    53    57    54    52    55
17 >    12     1    63    61    56    58    62    59    57    60
18 >    13     1    68    66    61    63    67    64    62    65
19 >    14     1    73    71    66    68    72    69    67    70
20 >    15     2    71    73    78    76    72    75    77    74
21 >    16     2    83    81    76    78    82    79    77    80
22 >    17     2    88    86    81    83    87    84    82    85
23 >    18     2    93    91    86    88    92    89    87    90
24 >    19     3    91    93    98    96    92    95    97    94
25 >    20     3   103   101    96    98   102    99    97   100
26 >
27 >
28 >COOR
29 >     1        0.0000000-20.000000
30 >     2        0.5000000-20.000000
31 >     3        1.0000000-20.000000
32 >     4        0.0000000-19.500000
33 >     5        1.0000000-19.500000
34 >     6        0.0000000-19.000000
35 >     7        0.5000000-19.000000
36 >     8        1.0000000-19.000000
37 >     9        0.0000000-18.500000
38 >    10        1.0000000-18.500000
```




```
39 >   11      0.0000000-18.000000
40 >   12      0.5000000-18.000000
41 >   13      1.0000000-18.000000
42 >   14      0.0000000-17.500000
43 >   15      1.0000000-17.500000
44 >   16      0.0000000-17.000000
45 >   17      0.5000000-17.000000
46 >   18      1.0000000-17.000000
47 >   19      0.0000000-16.500000
48 >   20      1.0000000-16.500000
49 >   21      0.0000000-16.000000
50 >   22      0.5000000-16.000000
51 >   23      1.0000000-16.000000
52 >   24      0.0000000-15.500000
53 >   25      1.0000000-15.500000
54 >   26      0.0000000-15.000000
55 >   27      0.5000000-15.000000
56 >   28      1.0000000-15.000000
57 >   29      0.0000000-14.500000
58 >   30      1.0000000-14.500000
59 >   31      0.0000000-14.000000
60 >   32      0.5000000-14.000000
61 >   33      1.0000000-14.000000
62 >   34      0.0000000-13.500000
63 >   35      1.0000000-13.500000
64 >   36      0.0000000-13.000000
65 >   37      0.5000000-13.000000
66 >   38      1.0000000-13.000000
67 >   39      0.0000000-12.500000
68 >   40      1.0000000-12.500000
69 >   41      0.0000000-12.000000
70 >   42      0.5000000-12.000000
71 >   43      1.0000000-12.000000
72 >   44      0.0000000-11.500000
73 >   45      1.0000000-11.500000
74 >   46      0.0000000-11.000000
75 >   47      0.5000000-11.000000
76 >   48      1.0000000-11.000000
```



```
    49         0.0000000-10.500000
    50         1.0000000-10.500000
    51         0.0000000-10.000000
    52         0.5000000-10.000000
    53         1.0000000-10.000000
    54         0.0000000-9.5000000
    55         1.0000000-9.5000000
    56         0.0000000-9.0000000
    57         0.5000000-9.0000000
    58         1.0000000-9.0000000
    59         0.0000000-8.5000000
    60         1.0000000-8.5000000
    61         0.0000000-8.0000000
    62         0.5000000-8.0000000
    63         1.0000000-8.0000000
    64         0.0000000-7.5000000
    65         1.0000000-7.5000000
    66         0.0000000-7.0000000
    67         0.5000000-7.0000000
    68         1.0000000-7.0000000
    69         0.0000000-6.5000000
    70         1.0000000-6.5000000
    71         0.0000000-6.0000000
    72         0.5000000-6.0000000
    73         1.0000000-6.0000000
    74         0.0000000-5.5000000
    75         1.0000000-5.5000000
    76         0.0000000-5.0000000
    77         0.5000000-5.0000000
    78         1.0000000-5.0000000
    79         0.0000000-4.5000000
    80         1.0000000-4.5000000
    81         0.0000000-4.0000000
    82         0.5000000-4.0000000
    83         1.0000000-4.0000000
    84         0.0000000-3.5000000
    85         1.0000000-3.5000000
    86         0.0000000-3.0000000
```

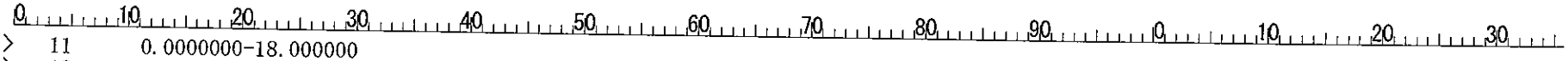
```
      0        10        20        30        40        50        60        70        80        90        0         10        20        30
115 >    87        0.5000000-3.0000000
116 >    88        1.0000000-3.0000000
117 >    89        0.0000000-2.5000000
118 >    90        1.0000000-2.5000000
119 >    91        0.0000000-2.0000000
120 >    92        0.5000000-2.0000000
121 >    93        1.0000000-2.0000000
122 >    94        0.0000000-1.5000000
123 >    95        1.0000000-1.5000000
124 >    96        0.0000000-1.0000000
125 >    97        0.5000000-1.0000000
126 >    98        1.0000000-1.0000000
127 >    99        0.0000000-0.5000000
128 >   100        1.0000000-0.5000000
129 >   101        0.0000000 0.0000000
130 >   102        0.5000000 0.0000000
131 >   103        1.0000000 0.0000000
132 >
133 >
134 >DIST
135 >   101   103   102     0    0.00000    0.00000    0.00000-1.0000000-1.0000000-1.0000000
136 >
137 >
138 >
139 >
140 >STBO
141 >0.0,-20.0,1.0,-20.0,1,1,1,
142 >
143 >STBO
144 >0.0,0.0,0.0,-20.0,1,0,0,
145 >
146 >STBO
147 >1.0,0.0,1.0,-20.0,1,0,0,
148 >
149 >STBO
150 >0.0,0.0,1.0,0.0,0,0,1,
151 >
152 >
      0        10        20        30        40        50        60        70        80        90        0         10        20        30
```

```
      0        10        20        30        40        50        60        70        80        90        0         10        20        30
153 >DRAI
154 >1,
155 >3,
156 >
157 >
158 >
159 >MATE
160 >     1     1
161 >     313200           0 0.3330000   0.00000         2         0         0       1.4
162 >      0.391     0.0022       2.30   0.00000      0.25 5.90E-09    0.0059   -0.0104
163 >    -0.0104
164 >     2     1
165 >     313200           0 0.3330000   0.00000         2         0         0       1.4
166 >      0.391     0.0022       2.30   0.00000      0.25 5.90E-09    0.0059   -0.0104
167 >    -0.0104
168 >     3     1
169 >           0     500.00 0.3330000   0.00000         2
170 >           0          0         0   0.00000         0         0         0         0
171 >           0
172 >
173 >
174 >END
175 >MACR
176 >INIT
177 >PROP           1.0
178 >DT             0.5
179 >LOOP          100.0
180 >NTIM
181 >FORM
182 >UTAN
183 >SOLV
184 >INCR
185 >STRE           2.0
186 >DISP           2.0
187 >STRF           2.0
188 >DISF           2.0
189 >NEXT
190 >DT             1.0
      0        10        20        30        40        50        60        70        80        90        0         10        20        30
```

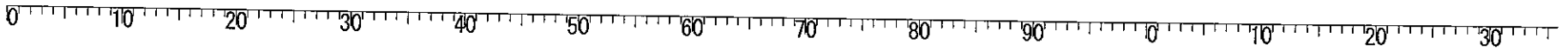
```
      0        10        20        30        40        50        60        70        80        90        0        10        20        30
191 >LOOP          50.0
192 >NTIM
193 >FORM
194 >UTAN
195 >SOLV
196 >INCR
197 >STRE           5.0
198 >DISP           5.0
199 >STRF           5.0
200 >DISF           5.0
201 >NEXT
202 >DT            10.0
203 >LOOP          30.0
204 >NTIM
205 >FORM
206 >UTAN
207 >SOLV
208 >INCR
209 >STRE           3.0
210 >DISP           3.0
211 >STRF           3.0
212 >DISF           3.0
213 >NEXT
214 >DT            20.0
215 >LOOP          40.0
216 >NTIM
217 >FORM
218 >UTAN
219 >SOLV
220 >INCR
221 >STRE           2.0
222 >DISP           2.0
223 >STRF           2.0
224 >DISF           2.0
225 >NEXT
226 >DT            50.0
227 >LOOP          76.0
228 >NTIM
      0        10        20        30        40        50        60        70        80        90        0        10        20        30
```

```
229 >FORM
230 >UTAN
231 >SOLV
232 >INCR
233 >STRE          4.0
234 >DISP          4.0
235 >STRF          4.0
236 >DISF          4.0
237 >NEXT
238 >DT          100.0
239 >LOOP        200.0
240 >NTIM
241 >FORM
242 >UTAN
243 >SOLV
244 >INCR
245 >STRE          5.0
246 >DISP          5.0
247 >STRF          5.0
248 >DISF          5.0
249 >NEXT
250 >END
251 >1,-6.0,0.6,0.50,-6.0,0.6,0.50,
252 >2,-0.6,1.5,0.50,-0.6,1.5,0.50,
253 >3,0.0,1.8,0.50,0.0,1.8,0.50,
254 >0,0,0.0,50.0,0.0,0.18,
255 >END
256 >STOP
```

```
>NECH
>FEAP  (Genjiban-model jyoka)
>  103   20    3    2    3    8    0    1    2
>RNUM
>ELEM
>    1    1    1    3    8    6    2    5    7    4
>    2    1   13   11    6    8   12    9    7   10
>    3    1   18   16   11   13   17   14   12   15
>    4    1   23   21   16   18   22   19   17   20
>    5    1   28   26   21   23   27   24   22   25
>    6    1   33   31   26   28   32   29   27   30
>    7    1   38   36   31   33   37   34   32   35
>    8    1   43   41   36   38   42   39   37   40
>    9    1   48   46   41   43   47   44   42   45
>   10    1   53   51   46   48   52   49   47   50
>   11    1   58   56   51   53   57   54   52   55
>   12    1   63   61   56   58   62   59   57   60
>   13    1   68   66   61   63   67   64   62   65
>   14    1   73   71   66   68   72   69   67   70
>   15    2   71   73   78   76   72   75   77   74
>   16    2   83   81   76   78   82   79   77   80
>   17    2   88   86   81   83   87   84   82   85
>   18    2   93   91   86   88   92   89   87   90
>   19    3   91   93   98   96   92   95   97   94
>   20    3  103  101   96   98  102   99   97  100
>
>
>COOR
>    1       0.0000000-20.000000
>    2       0.5000000-20.000000
>    3       1.0000000-20.000000
>    4       0.0000000-19.500000
>    5       1.0000000-19.500000
>    6       0.0000000-19.000000
>    7       0.5000000-19.000000
>    8       1.0000000-19.000000
>    9       0.0000000-18.500000
>   10       1.0000000-18.500000
```




```
39 >    11      0.0000000-18.000000
40 >    12      0.5000000-18.000000
41 >    13      1.0000000-18.000000
42 >    14      0.0000000-17.500000
43 >    15      1.0000000-17.500000
44 >    16      0.0000000-17.000000
45 >    17      0.5000000-17.000000
46 >    18      1.0000000-17.000000
47 >    19      0.0000000-16.500000
48 >    20      1.0000000-16.500000
49 >    21      0.0000000-16.000000
50 >    22      0.5000000-16.000000
51 >    23      1.0000000-16.000000
52 >    24      0.0000000-15.500000
53 >    25      1.0000000-15.500000
54 >    26      0.0000000-15.000000
55 >    27      0.5000000-15.000000
56 >    28      1.0000000-15.000000
57 >    29      0.0000000-14.500000
58 >    30      1.0000000-14.500000
59 >    31      0.0000000-14.000000
60 >    32      0.5000000-14.000000
61 >    33      1.0000000-14.000000
62 >    34      0.0000000-13.500000
63 >    35      1.0000000-13.500000
64 >    36      0.0000000-13.000000
65 >    37      0.5000000-13.000000
66 >    38      1.0000000-13.000000
67 >    39      0.0000000-12.500000
68 >    40      1.0000000-12.500000
69 >    41      0.0000000-12.000000
70 >    42      0.5000000-12.000000
71 >    43      1.0000000-12.000000
72 >    44      0.0000000-11.500000
73 >    45      1.0000000-11.500000
74 >    46      0.0000000-11.000000
75 >    47      0.5000000-11.000000
76 >    48      1.0000000-11.000000
```



```
      0        10        20        30        40        50        60        70        80        90        0        10        20        30
77 >  49      0.0000000-10.500000
78 >  50      1.0000000-10.500000
79 >  51      0.0000000-10.000000
80 >  52      0.5000000-10.000000
81 >  53      1.0000000-10.000000
82 >  54      0.0000000-9.5000000
83 >  55      1.0000000-9.5000000
84 >  56      0.0000000-9.0000000
85 >  57      0.5000000-9.0000000
86 >  58      1.0000000-9.0000000
87 >  59      0.0000000-8.5000000
88 >  60      1.0000000-8.5000000
89 >  61      0.0000000-8.0000000
90 >  62      0.5000000-8.0000000
91 >  63      1.0000000-8.0000000
92 >  64      0.0000000-7.5000000
93 >  65      1.0000000-7.5000000
94 >  66      0.0000000-7.0000000
95 >  67      0.5000000-7.0000000
96 >  68      1.0000000-7.0000000
97 >  69      0.0000000-6.5000000
98 >  70      1.0000000-6.5000000
99 >  71      0.0000000-6.0000000
100 >  72      0.5000000-6.0000000
101 >  73      1.0000000-6.0000000
102 >  74      0.0000000-5.5000000
103 >  75      1.0000000-5.5000000
104 >  76      0.0000000-5.0000000
105 >  77      0.5000000-5.0000000
106 >  78      1.0000000-5.0000000
107 >  79      0.0000000-4.5000000
108 >  80      1.0000000-4.5000000
109 >  81      0.0000000-4.0000000
110 >  82      0.5000000-4.0000000
111 >  83      1.0000000-4.0000000
112 >  84      0.0000000-3.5000000
113 >  85      1.0000000-3.5000000
114 >  86      0.0000000-3.0000000
      0        10        20        30        40        50        60        70        80        90        0        10        20        30
```

```
      0        10        20        30        40        50        60        70        80        90        0         10        20        30
115 >    87        0.5000000-3.0000000
116 >    88        1.0000000-3.0000000
117 >    89        0.0000000-2.5000000
118 >    90        1.0000000-2.5000000
119 >    91        0.0000000-2.0000000
120 >    92        0.5000000-2.0000000
121 >    93        1.0000000-2.0000000
122 >    94        0.0000000-1.5000000
123 >    95        1.0000000-1.5000000
124 >    96        0.0000000-1.0000000
125 >    97        0.5000000-1.0000000
126 >    98        1.0000000-1.0000000
127 >    99        0.0000000-0.5000000
128 >   100        1.0000000-0.5000000
129 >   101        0.0000000 0.0000000
130 >   102        0.5000000 0.0000000
131 >   103        1.0000000 0.0000000
132 >
133 >
134 >DIST
135 >   101   103   102     0    0.00000    0.00000    0.00000-1.0000000-1.0000000-1.0000000
136 >
137 >
138 >
139 >DIST
140 >    86    88    87     0    0.00000    0.00000    0.00000 1.0000000 1.0000000 1.0000000
141 >
142 >
143 >
144 >
145 >STBO
146 >0.0,-20.0,1.0,-20.0,1,1,1,
147 >
148 >STBO
149 >0.0,0.0,0.0,-20.0,1,0,0,
150 >
151 >STBO
152 >1.0,0.0,1.0,-20.0,1,0,0,
      0        10        20        30        40        50        60        70        80        90        0         10        20        30
```

```
      0        10        20        30        40        50        60        70        80        90        0         10        20        30
153 >
154 >STBO
155 >0.0,0.0,1.0,0.0,0,0,1,
156 >
157 >
158 >DRAI
159 >1,
160 >3,
161 >
162 >
163 >
164 >MATE
165 >     1     1
166 >     313200          0 0.3330000   0.00000         2         0         0       1.4
167 >      0.391     0.0022        2.30   0.00000      0.25  5.90E-09    0.0059   -0.0104
168 >    -0.0104
169 >     2     1
170 >     313200          0 0.3330000   0.00000         2         0         0       1.4
171 >      0.391     0.0022        2.30   0.00000      0.25  5.90E-09    0.0059   -0.0104
172 >    -0.0104
173 >     3     1
174 >           0     500.00 0.3330000   0.00000         2
175 >           0          0          0   0.00000         0         0         0         0
176 >           0
177 >
178 >
179 >END
180 >MACR
181 >INIT
182 >PROP           1.0
183 >DT             0.5
184 >LOOP         100.0
185 >NTIM
186 >FORM
187 >UTAN
188 >SOLV
189 >INCR
190 >STRE           2.0
      0        10        20        30        40        50        60        70        80        90        0         10        20        30
```

```
      0        10        20        30        40        50        60        70        80        90        0        10        20        30
191 >DISP          2.0
192 >STRF          2.0
193 >DISF          2.0
194 >NEXT
195 >DT            1.0
196 >LOOP         50.0
197 >NTIM
198 >FORM
199 >UTAN
200 >SOLV
201 >INCR
202 >STRE          5.0
203 >DISP          5.0
204 >STRF          5.0
205 >DISF          5.0
206 >NEXT
207 >DT           10.0
208 >LOOP         30.0
209 >NTIM
210 >FORM
211 >UTAN
212 >SOLV
213 >INCR
214 >STRE          3.0
215 >DISP          3.0
216 >STRF          3.0
217 >DISF          3.0
218 >NEXT
219 >DT           20.0
220 >LOOP         40.0
221 >NTIM
222 >FORM
223 >UTAN
224 >SOLV
225 >INCR
226 >STRE          2.0
227 >DISP          2.0
228 >STRF          2.0
      0        10        20        30        40        50        60        70        80        90        0        10        20        30
```

```
      0        10        20        30        40        50        60        70        80        90        0        10        20        30
229 >DISF          2.0
230 >NEXT
231 >DT            1.0
232 >LOOP        300.0
233 >NTIM
234 >FORM
235 >UTAN
236 >SOLV
237 >INCR
238 >STRE         10.0
239 >DISP         10.0
240 >STRF         10.0
241 >DISF         10.0
242 >NEXT
243 >DT            2.0
244 >LOOP        250.0
245 >NTIM
246 >FORM
247 >UTAN
248 >SOLV
249 >INCR
250 >STRE         10.0
251 >DISP         10.0
252 >STRF         10.0
253 >DISF         10.0
254 >NEXT
255 >DT           10.0
256 >LOOP        300.0
257 >NTIM
258 >FORM
259 >UTAN
260 >SOLV
261 >INCR
262 >STRE         20.0
263 >DISP         20.0
264 >STRF         20.0
265 >DISF         20.0
266 >NEXT
      0        10        20        30        40        50        60        70        80        90        0        10        20        30
```

```
      0        10        20        30        40        50        60        70        80        90        0         10        20        30
  267 >DT            50.0
  268 >LOOP         100.0
  269 >NTIM
  270 >FORM
  271 >UTAN
  272 >SOLV
  273 >INCR
  274 >STRE          10.0
  275 >DISP          10.0
  276 >STRF          10.0
  277 >DISF          10.0
  278 >NEXT
  279 >DT           100.0
  280 >LOOP         100.0
  281 >NTIM
  282 >FORM
  283 >UTAN
  284 >SOLV
  285 >INCR
  286 >STRE          10.0
  287 >DISP          10.0
  288 >STRF          10.0
  289 >DISF          10.0
  290 >NEXT
  291 >END
  292 >1,-6.0,0.6,0.50,-6.0,0.6,0.50,
  293 >2,-0.6,1.5,0.50,-0.6,1.5,0.50,
  294 >3,0.0,1.8,0.50,0.0,1.8,0.50,
  295 >0,0,0.0,50.0,0.0,0.18,
  296 >0,0,1200.0,1500.0,-10.80,0.009,
  297 >END
  298 >STOP
      0        10        20        30        40        50        60        70        80        90        0         10        20        30
```

```
>NECH
>FEAP   (Genjiban-model sai-saika)
>  103    20     3     2     3     8     0     1     3
>RNUM
>ELEM
>     1     1     1     3     8     6     2     5     7     4
>     2     1    13    11     6     8    12     9     7    10
>     3     1    18    16    11    13    17    14    12    15
>     4     1    23    21    16    18    22    19    17    20
>     5     1    28    26    21    23    27    24    22    25
>     6     1    33    31    26    28    32    29    27    30
>     7     1    38    36    31    33    37    34    32    35
>     8     1    43    41    36    38    42    39    37    40
>     9     1    48    46    41    43    47    44    42    45
>    10     1    53    51    46    48    52    49    47    50
>    11     1    58    56    51    53    57    54    52    55
>    12     1    63    61    56    58    62    59    57    60
>    13     1    68    66    61    63    67    64    62    65
>    14     1    73    71    66    68    72    69    67    70
>    15     2    71    73    78    76    72    75    77    74
>    16     2    83    81    76    78    82    79    77    80
>    17     2    88    86    81    83    87    84    82    85
>    18     2    93    91    86    88    92    89    87    90
>    19     3    91    93    98    96    92    95    97    94
>    20     3   103   101    96    98   102    99    97   100
>
>
>COOR
>     1        0.0000000-20.000000
>     2        0.5000000-20.000000
>     3        1.0000000-20.000000
>     4        0.0000000-19.500000
>     5        1.0000000-19.500000
>     6        0.0000000-19.000000
>     7        0.5000000-19.000000
>     8        1.0000000-19.000000
>     9        0.0000000-18.500000
>    10        1.0000000-18.500000
```

```
      0        10        20        30        40        50        60        70        80        90        0         10        20        30
39 >  11       0.0000000-18.000000
40 >  12       0.5000000-18.000000
41 >  13       1.0000000-18.000000
42 >  14       0.0000000-17.500000
43 >  15       1.0000000-17.500000
44 >  16       0.0000000-17.000000
45 >  17       0.5000000-17.000000
46 >  18       1.0000000-17.000000
47 >  19       0.0000000-16.500000
48 >  20       1.0000000-16.500000
49 >  21       0.0000000-16.000000
50 >  22       0.5000000-16.000000
51 >  23       1.0000000-16.000000
52 >  24       0.0000000-15.500000
53 >  25       1.0000000-15.500000
54 >  26       0.0000000-15.000000
55 >  27       0.5000000-15.000000
56 >  28       1.0000000-15.000000
57 >  29       0.0000000-14.500000
58 >  30       1.0000000-14.500000
59 >  31       0.0000000-14.000000
60 >  32       0.5000000-14.000000
61 >  33       1.0000000-14.000000
62 >  34       0.0000000-13.500000
63 >  35       1.0000000-13.500000
64 >  36       0.0000000-13.000000
65 >  37       0.5000000-13.000000
66 >  38       1.0000000-13.000000
67 >  39       0.0000000-12.500000
68 >  40       1.0000000-12.500000
69 >  41       0.0000000-12.000000
70 >  42       0.5000000-12.000000
71 >  43       1.0000000-12.000000
72 >  44       0.0000000-11.500000
73 >  45       1.0000000-11.500000
74 >  46       0.0000000-11.000000
75 >  47       0.5000000-11.000000
76 >  48       1.0000000-11.000000
      0        10        20        30        40        50        60        70        80        90        0         10        20        30
```

```
      0        10        20        30        40        50        60        70        80        90        0         10        20        30
77 >  49       0.0000000-10.500000
78 >  50       1.0000000-10.500000
79 >  51       0.0000000-10.000000
80 >  52       0.5000000-10.000000
81 >  53       1.0000000-10.000000
82 >  54       0.0000000-9.5000000
83 >  55       1.0000000-9.5000000
84 >  56       0.0000000-9.0000000
85 >  57       0.5000000-9.0000000
86 >  58       1.0000000-9.0000000
87 >  59       0.0000000-8.5000000
88 >  60       1.0000000-8.5000000
89 >  61       0.0000000-8.0000000
90 >  62       0.5000000-8.0000000
91 >  63       1.0000000-8.0000000
92 >  64       0.0000000-7.5000000
93 >  65       1.0000000-7.5000000
94 >  66       0.0000000-7.0000000
95 >  67       0.5000000-7.0000000
96 >  68       1.0000000-7.0000000
97 >  69       0.0000000-6.5000000
98 >  70       1.0000000-6.5000000
99 >  71       0.0000000-6.0000000
100 >  72      0.5000000-6.0000000
101 >  73      1.0000000-6.0000000
102 >  74      0.0000000-5.5000000
103 >  75      1.0000000-5.5000000
104 >  76      0.0000000-5.0000000
105 >  77      0.5000000-5.0000000
106 >  78      1.0000000-5.0000000
107 >  79      0.0000000-4.5000000
108 >  80      1.0000000-4.5000000
109 >  81      0.0000000-4.0000000
110 >  82      0.5000000-4.0000000
111 >  83      1.0000000-4.0000000
112 >  84      0.0000000-3.5000000
113 >  85      1.0000000-3.5000000
114 >  86      0.0000000-3.0000000
      0        10        20        30        40        50        60        70        80        90        0         10        20        30
```

```
      0        10        20        30        40        50        60        70        80        90        0         10        20        30
115 >    87        0.5000000-3.0000000
116 >    88        1.0000000-3.0000000
117 >    89        0.0000000-2.5000000
118 >    90        1.0000000-2.5000000
119 >    91        0.0000000-2.0000000
120 >    92        0.5000000-2.0000000
121 >    93        1.0000000-2.0000000
122 >    94        0.0000000-1.5000000
123 >    95        1.0000000-1.5000000
124 >    96        0.0000000-1.0000000
125 >    97        0.5000000-1.0000000
126 >    98        1.0000000-1.0000000
127 >    99        0.0000000-0.5000000
128 >   100        1.0000000-0.5000000
129 >   101        0.0000000 0.0000000
130 >   102        0.5000000 0.0000000
131 >   103        1.0000000 0.0000000
132 >
133 >
134 >DIST
135 >   101   103   102     0    0.00000    0.00000    0.00000-1.0000000-1.0000000-1.0000000
136 >
137 >
138 >
139 >DIST
140 >    86    88    87     0    0.00000    0.00000    0.00000 1.0000000 1.0000000 1.0000000
141 >
142 >
143 >
144 >DIST
145 >    86    88    87     0    0.00000    0.00000    0.00000-1.0000000-1.0000000-1.0000000
146 >
147 >
148 >
149 >
150 >
151 >STBO
152 >0.0,-20.0,1.0,-20.0,1,1,1,
      0        10        20        30        40        50        60        70        80        90        0         10        20        30
```

```
153 >
154 >STBO
155 >0.0,0.0,0.0,-20.0,1,0,0,
156 >
157 >STBO
158 >1.0,0.0,1.0,-20.0,1,0,0,
159 >
160 >STBO
161 >0.0,0.0,1.0,0.0,0,0,1,
162 >
163 >
164 >DRAI
165 >1,
166 >3,
167 >
168 >
169 >
170 >MATE
171 >     1     1
172 >     313200           0 0.3330000    0.00000          2          0          0        1.4
173 >       0.391     0.0022        2.30    0.00000       0.25  5.90E-09     0.0059    -0.0104
174 >    -0.0104
175 >     2     1
176 >     313200           0 0.3330000    0.00000          2          0          0        1.4
177 >       0.391     0.0022        2.30    0.00000       0.25  5.90E-09     0.0059    -0.0104
178 >    -0.0104
179 >     3     1
180 >           0     500.00 0.3330000    0.00000          2
181 >           0          0          0    0.00000          0          0          0          0
182 >           0
183 >
184 >
185 >END
186 >MACR
187 >INIT
188 >PROP          1.0
189 >DT            0.5
190 >LOOP        100.0
```

```
191 >NTIM
192 >FORM
193 >UTAN
194 >SOLV
195 >INCR
196 >STRE          2.0
197 >DISP          2.0
198 >STRF          2.0
199 >DISF          2.0
200 >NEXT
201 >DT            1.0
202 >LOOP         50.0
203 >NTIM
204 >FORM
205 >UTAN
206 >SOLV
207 >INCR
208 >STRE         10.0
209 >DISP         10.0
210 >STRF         10.0
211 >DISF         10.0
212 >NEXT
213 >DT           10.0
214 >LOOP         30.0
215 >NTIM
216 >FORM
217 >UTAN
218 >SOLV
219 >INCR
220 >STRE          3.0
221 >DISP          3.0
222 >STRF          3.0
223 >DISF          3.0
224 >NEXT
225 >DT           20.0
226 >LOOP         40.0
227 >NTIM
228 >FORM
```

```
      0        10        20        30        40        50        60        70        80        90        0        10        20        30
229 >UTAN
230 >SOLV
231 >INCR
232 >STRE          4.0
233 >DISP          4.0
234 >STRF          4.0
235 >DISF          4.0
236 >NEXT
237 >DT            1.0
238 >LOOP        300.0
239 >NTIM
240 >FORM
241 >UTAN
242 >SOLV
243 >INCR
244 >STRE         15.0
245 >DISP         15.0
246 >STRF         15.0
247 >DISF         15.0
248 >NEXT
249 >DT            2.0
250 >LOOP        250.0
251 >NTIM
252 >FORM
253 >UTAN
254 >SOLV
255 >INCR
256 >STRE         10.0
257 >DISP         10.0
258 >STRF         10.0
259 >DISF         10.0
260 >NEXT
261 >DT           10.0
262 >LOOP        300.0
263 >NTIM
264 >FORM
265 >UTAN
266 >SOLV
      0        10        20        30        40        50        60        70        80        90        0        10        20        30
```

```
>INCR
>STRE        30.0
>DISP        30.0
>STRF        30.0
>DISF        30.0
>NEXT
>DT           1.0
>LOOP       300.0
>NTIM
>FORM
>UTAN
>SOLV
>INCR
>STRE        15.0
>DISP        15.0
>STRF        15.0
>DISF        15.0
>NEXT
>DT           2.0
>LOOP       100.0
>NTIM
>FORM
>UTAN
>SOLV
>INCR
>STRE        10.0
>DISP        10.0
>STRF        10.0
>DISF        10.0
>NEXT
>DT          10.0
>LOOP        50.0
>NTIM
>FORM
>UTAN
>SOLV
>INCR
>STRE         5.0
```

```
      0        10        20        30        40        50        60        70        80        90        0        10        20        30
305 >DISP          5.0
306 >STRF          5.0
307 >DISF          5.0
308 >NEXT
309 >DT           50.0
310 >LOOP         80.0
311 >NTIM
312 >FORM
313 >UTAN
314 >SOLV
315 >INCR
316 >STRE         10.0
317 >DISP         10.0
318 >STRF         10.0
319 >DISF         10.0
320 >NEXT
321 >DT          100.0
322 >LOOP        100.0
323 >NTIM
324 >FORM
325 >UTAN
326 >SOLV
327 >INCR
328 >STRE         10.0
329 >DISP         10.0
330 >STRF         10.0
331 >DISF         10.0
332 >NEXT
333 >END
334 >1,-6.0,0.6,0.50,-6.0,0.6,0.50,
335 >2,-0.6,1.5,0.50,-0.6,1.5,0.50,
336 >3,0.0,1.8,0.50,0.0,1.8,0.50,
337 >0,0,0.0,50.0,0.0,0.18,
338 >0,0,1200.0,1500.0,-10.80,0.009,
339 >0,0,5000.0,5300.0,-45.00,0.009,
340 >END
341 >STOP
      0        10        20        30        40        50        60        70        80        90        0        10        20        30
```

```
 1 >NECH
 2 >FEAP  (Genjiban-model saika)
 3 >  103   20    2    2    3    8    0    1    3
 4 >RNUM
 5 >ELEM
 6 >    1    1    1    3    8    6    2    5    7    4
 7 >    2    1   13   11    6    8   12    9    7   10
 8 >    3    1   18   16   11   13   17   14   12   15
 9 >    4    1   23   21   16   18   22   19   17   20
10 >    5    1   28   26   21   23   27   24   22   25
11 >    6    1   33   31   26   28   32   29   27   30
12 >    7    1   38   36   31   33   37   34   32   35
13 >    8    1   43   41   36   38   42   39   37   40
14 >    9    1   48   46   41   43   47   44   42   45
15 >   10    1   53   51   46   48   52   49   47   50
16 >   11    1   58   56   51   53   57   54   52   55
17 >   12    1   63   61   56   58   62   59   57   60
18 >   13    1   68   66   61   63   67   64   62   65
19 >   14    1   73   71   66   68   72   69   67   70
20 >   15    1   71   73   78   76   72   75   77   74
21 >   16    1   83   81   76   78   82   79   77   80
22 >   17    1   88   86   81   83   87   84   82   85
23 >   18    1   93   91   86   88   92   89   87   90
24 >   19    2   91   93   98   96   92   95   97   94
25 >   20    2  103  101   96   98  102   99   97  100
26 >
27 >
28 >COOR
29 >    1       0.0000000-20.000000
30 >    2       0.5000000-20.000000
31 >    3       1.0000000-20.000000
32 >    4       0.0000000-19.500000
33 >    5       1.0000000-19.500000
34 >    6       0.0000000-19.000000
35 >    7       0.5000000-19.000000
36 >    8       1.0000000-19.000000
37 >    9       0.0000000-18.500000
38 >   10       1.0000000-18.500000
```

```
      0        10        20        30        40        50        60        70        80        90        0         10        20        30
39 >    11      0.0000000-18.000000
40 >    12      0.5000000-18.000000
41 >    13      1.0000000-18.000000
42 >    14      0.0000000-17.500000
43 >    15      1.0000000-17.500000
44 >    16      0.0000000-17.000000
45 >    17      0.5000000-17.000000
46 >    18      1.0000000-17.000000
47 >    19      0.0000000-16.500000
48 >    20      1.0000000-16.500000
49 >    21      0.0000000-16.000000
50 >    22      0.5000000-16.000000
51 >    23      1.0000000-16.000000
52 >    24      0.0000000-15.500000
53 >    25      1.0000000-15.500000
54 >    26      0.0000000-15.000000
55 >    27      0.5000000-15.000000
56 >    28      1.0000000-15.000000
57 >    29      0.0000000-14.500000
58 >    30      1.0000000-14.500000
59 >    31      0.0000000-14.000000
60 >    32      0.5000000-14.000000
61 >    33      1.0000000-14.000000
62 >    34      0.0000000-13.500000
63 >    35      1.0000000-13.500000
64 >    36      0.0000000-13.000000
65 >    37      0.5000000-13.000000
66 >    38      1.0000000-13.000000
67 >    39      0.0000000-12.500000
68 >    40      1.0000000-12.500000
69 >    41      0.0000000-12.000000
70 >    42      0.5000000-12.000000
71 >    43      1.0000000-12.000000
72 >    44      0.0000000-11.500000
73 >    45      1.0000000-11.500000
74 >    46      0.0000000-11.000000
75 >    47      0.5000000-11.000000
76 >    48      1.0000000-11.000000
      0        10        20        30        40        50        60        70        80        90        0         10        20        30
```

```
      0        10        20        30        40        50        60        70        80        90        0        10        20        30
77 >  49       0.0000000-10.500000
78 >  50       1.0000000-10.500000
79 >  51       0.0000000-10.000000
80 >  52       0.5000000-10.000000
81 >  53       1.0000000-10.000000
82 >  54       0.0000000-9.5000000
83 >  55       1.0000000-9.5000000
84 >  56       0.0000000-9.0000000
85 >  57       0.5000000-9.0000000
86 >  58       1.0000000-9.0000000
87 >  59       0.0000000-8.5000000
88 >  60       1.0000000-8.5000000
89 >  61       0.0000000-8.0000000
90 >  62       0.5000000-8.0000000
91 >  63       1.0000000-8.0000000
92 >  64       0.0000000-7.5000000
93 >  65       1.0000000-7.5000000
94 >  66       0.0000000-7.0000000
95 >  67       0.5000000-7.0000000
96 >  68       1.0000000-7.0000000
97 >  69       0.0000000-6.5000000
98 >  70       1.0000000-6.5000000
99 >  71       0.0000000-6.0000000
100 >  72      0.5000000-6.0000000
101 >  73      1.0000000-6.0000000
102 >  74      0.0000000-5.5000000
103 >  75      1.0000000-5.5000000
104 >  76      0.0000000-5.0000000
105 >  77      0.5000000-5.0000000
106 >  78      1.0000000-5.0000000
107 >  79      0.0000000-4.5000000
108 >  80      1.0000000-4.5000000
109 >  81      0.0000000-4.0000000
110 >  82      0.5000000-4.0000000
111 >  83      1.0000000-4.0000000
112 >  84      0.0000000-3.5000000
113 >  85      1.0000000-3.5000000
114 >  86      0.0000000-3.0000000
      0        10        20        30        40        50        60        70        80        90        0        10        20        30
```

```
      0        10        20        30        40        50        60        70        80        90        0        10        20        30
115 >    87        0.5000000-3.0000000
116 >    88        1.0000000-3.0000000
117 >    89        0.0000000-2.5000000
118 >    90        1.0000000-2.5000000
119 >    91        0.0000000-2.0000000
120 >    92        0.5000000-2.0000000
121 >    93        1.0000000-2.0000000
122 >    94        0.0000000-1.5000000
123 >    95        1.0000000-1.5000000
124 >    96        0.0000000-1.0000000
125 >    97        0.5000000-1.0000000
126 >    98        1.0000000-1.0000000
127 >    99        0.0000000-0.5000000
128 >   100        1.0000000-0.5000000
129 >   101        0.0000000 0.0000000
130 >   102        0.5000000 0.0000000
131 >   103        1.0000000 0.0000000
132 >
133 >
134 >DIST
135 >   101   103   102     0    0.00000    0.00000    0.00000-1.0000000-1.0000000-1.0000000
136 >
137 >
138 >
139 >DIST
140 >   101   103   102     0    0.00000    0.00000    0.00000 1.0000000 1.0000000 1.0000000
141 >
142 >
143 >
144 >DIST
145 >   101   103   102     0    0.00000    0.00000    0.00000-1.0000000-1.0000000-1.0000000
146 >
147 >
148 >
149 >
150 >STBO
151 >0.0,-20.0,1.0,-20.0,1,1,1,
152 >
      0        10        20        30        40        50        60        70        80        90        0        10        20        30
```

```
153 >STBO
154 >0.0,0.0,0.0,-20.0,1,0,0,
155 >
156 >STBO
157 >1.0,0.0,1.0,-20.0,1,0,0,
158 >
159 >STBO
160 >0.0,0.0,1.0,0.0,0,0,1,
161 >
162 >
163 >DRAI
164 >1,
165 >2,
166 >
167 >
168 >
169 >MATE
170 >     1     1
171 >     313200           0 0.3330000    0.00000          2          0          0        1.4
172 >      0.391     0.0022        2.30    0.00000       0.25  5.90E-09     0.0059    -0.5200
173 >    -0.5200
174 >     2     1
175 >           0     500.00 0.3330000    0.00000          2
176 >           0          0          0    0.00000          0          0          0          0
177 >           0
178 >
179 >
180 >END
181 >MACR
182 >INIT
183 >PROP           1.0
184 >DT             0.5
185 >LOOP         100.0
186 >NTIM
187 >FORM
188 >UTAN
189 >SOLV
190 >INCR
```

```
      0        10        20        30        40        50        60        70        80        90        0         10        20        30
191 >STRE          5.0
192 >DISP          5.0
193 >STRF          5.0
194 >DISF          5.0
195 >NEXT
196 >DT            1.0
197 >LOOP         50.0
198 >NTIM
199 >FORM
200 >UTAN
201 >SOLV
202 >INCR
203 >STRE          5.0
204 >DISP          5.0
205 >STRF          5.0
206 >DISF          5.0
207 >NEXT
208 >DT           10.0
209 >LOOP         30.0
210 >NTIM
211 >FORM
212 >UTAN
213 >SOLV
214 >INCR
215 >STRE          3.0
216 >DISP          3.0
217 >STRF          3.0
218 >DISF          3.0
219 >NEXT
220 >DT            0.5
221 >LOOP        100.0
222 >NTIM
223 >FORM
224 >UTAN
225 >SOLV
226 >INCR
227 >STRE          5.0
228 >DISP          5.0
      0        10        20        30        40        50        60        70        80        90        0         10        20        30
```

```
>STRF          5.0
>DISF          5.0
>NEXT
>DT            1.0
>LOOP         50.0
>NTIM
>FORM
>UTAN
>SOLV
>INCR
>STRE          5.0
>DISP          5.0
>STRF          5.0
>DISF          5.0
>NEXT
>DT            2.0
>LOOP         50.0
>NTIM
>FORM
>UTAN
>SOLV
>INCR
>STRE          5.0
>DISP          5.0
>STRF          5.0
>DISF          5.0
>NEXT
>DT            0.5
>LOOP        100.0
>NTIM
>FORM
>UTAN
>SOLV
>INCR
>STRE          5.0
>DISP          5.0
>STRF          5.0
>DISF          5.0
```

```
      0        10        20        30        40        50        60        70        80        90        0        10        20        30
 267 >NEXT
 268 >DT            1.0
 269 >LOOP         50.0
 270 >NTIM
 271 >FORM
 272 >UTAN
 273 >SOLV
 274 >INCR
 275 >STRE          5.0
 276 >DISP          5.0
 277 >STRF          5.0
 278 >DISF          5.0
 279 >NEXT
 280 >DT           10.0
 281 >LOOP         30.0
 282 >NTIM
 283 >FORM
 284 >UTAN
 285 >SOLV
 286 >INCR
 287 >STRE          3.0
 288 >DISP          3.0
 289 >STRF          3.0
 290 >DISF          3.0
 291 >NEXT
 292 >DT           20.0
 293 >LOOP        200.0
 294 >NTIM
 295 >FORM
 296 >UTAN
 297 >SOLV
 298 >INCR
 299 >STRE         10.0
 300 >DISP         10.0
 301 >STRF         10.0
 302 >DISF         10.0
 303 >NEXT
 304 >DT           50.0
      0        10        20        30        40        50        60        70        80        90        0        10        20        30
```

```
305 >LOOP         100.0
306 >NTIM
307 >FORM
308 >UTAN
309 >SOLV
310 >INCR
311 >STRE          10.0
312 >DISP          10.0
313 >STRF          10.0
314 >DISF          10.0
315 >NEXT
316 >DT           100.0
317 >LOOP         150.0
318 >NTIM
319 >FORM
320 >UTAN
321 >SOLV
322 >INCR
323 >STRE          10.0
324 >DISP          10.0
325 >STRF          10.0
326 >DISF          10.0
327 >NEXT
328 >END
329 >1,-2.4,0.6,0.50,-2.4,0.6,0.50,
330 >2,0.0,1.8,0.50,0.0,1.8,0.50,
331 >0,0,0.0,50.0,0.0,0.18,
332 >0,0,400.0,450.0,-72.0,0.18,
333 >0,0,600.0,650.0,-72.0,0.12,
334 >END
335 >STOP
```

付録 A　　入力データ