```
노드 개수 ? 7
```

Asc, Des, Rnd? a

Data: 1

01

Data: 2

01

02

Data: 3

[01] RR

02

01 03

Data: 4

02

01 03

04

Data: 5

[03] RR

02

01 04

03 05

Data: 6

[02] RR

04

02 05

01 03 06

Data: 7

[05] RR

02 06 01 03 05 07

노드 개수 ? 7

Asc, Des, Rnd?d

Data: 7 07

Data: 6

07

06

Data: 5

[07] LL

06

05 07

Data: 4

06

05 07

04

Data: 3

[05] LL

06

04 07

03 05

Data: 2

[06] LL

04

03 06

02 05 07

```
Data: 1

[03] LL

04

02 06

01 03 05 07
```

노드 개수 ? 7 Asc, Des, Rnd ? r Data: 64 64

Data: 46 [17] RL 64

```
46 74
17 50 86
```

노드 개수 ? 15 Asc, Des, Rnd ? a Data: 1 01

Data: 3 [01] RR 02 01 03

```
Data: 6
[02] RR
04
02 05
01 03 06
Data: 7
[05] RR
04
02 06
```

01 03 05 07

Data: 8 04 02 06 01 03 05 07 08

Data: 9 [07] RR 04 02 06 01 03 05 08 07 09

Data: 10 [06] RR 04 08 02 01 03 06 09 05 07 10

Data: 11 [09] RR

04 02 08 01 03 06 10 05 07 09 11

Data: 12 [04] RR

08 04 10 02 06 09 11 01 03 05 07 12

Data: 13 [11] RR

08 04 10 02 06 09 12 01 03 05 07 11 13

Data: 14 [10] RR

08 04 12 02 06 10 13 01 03 05 07 09 11 14

Data: 15 [13] RR

08 04 12 02 06 10 14 01 03 05 07 09 11 13 15 노드 개수 ? 15

Asc, Des, Rnd?d

Data: 15

15

Data: 14

15

14

Data: 13

[15] LL

14

13 15

Data: 12

14

13 15

12

Data: 11

[13] LL

14

12 15

11 13

Data: 10

[14] LL

12

11 14

10 13 15

Data: 9

[11] LL

```
10 14
09 11 13 15
Data: 8
12
10 14
09 11 13 15
08
Data: 7
[09] LL
12
10 14
08 11 13 15
07 09
Data: 6
[10] LL
12
08 14
07 10 13 15
06 09 11
Data: 5
[07] LL
12
08 14
06 10 13 15
05 07 09 11
Data: 4
[12] LL
       80
06
     12
```

05 07 10 14 04 09 11 13 15

Data: 3 [05] LL . 100] LL 100] EL

06 12 04 07 10 14 03 05 09 11 13 15

Data: 2 [06] LL

[06] LL 08 12 03 06 10 14 02 05 07 09 11 13 15

Data: 1 [03] LL 08

04 12 02 06 10 14 01 03 05 07 09 11 13 15

노드 개수 ? 15 Asc, Des, Rnd?r

Data: 99

99

Data: 67 99

Data: 55 [99] LL 67 55 99

Data: 51 67 54 99 16 55 88 51

Data: 1 67 99 16 55 88 01 51

Data: 56

```
67
 54 99
16 55 88
01 51 56
Data: 73
[99] LL
67
54 88
16 55 73 99
01 51 56
Data: 7
[67] LL
54
16 67
 01 51 55 88
07 56 73 99
Data: 84
            54
            67
55 88
  16
  01
         51
  07
                 56 73 99
                    84
Data: 78
[73] RL
            54
  16
01
                 67
               55 88
         51
  07
                 56 78 99
```

Data: 3 [01] RL

54

16

67

03

51

55

88

01

07

56

78

99

73

84

Data: 93

54

16

67

03

51

55

88

01

07

56

78

99

73

84

93

노드 개수 ? -1 Bye, ...