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1 C:\Users\Gwggw\jdk\corretto-17.0.7\bin\java.exe "-
  javaagent:C:\Program Files\JetBrains\IntelliJ IDEA
  2023.2.3\lib\idea_rt.jar=62965:C:\Program Files\
  JetBrains\IntelliJ IDEA 2023.2.3\bin" -Dfile.encoding
  =UTF-8 -classpath "C:\Users\Gwggw\Documents\E-class\
  ΠΛΗΡΟΦΟΡΙΚΗ\Η' Εξάμηνο\Τεχνική Νομοσύνη (Artificial
  Intelligence)\GIT PROJECTS\AI-Projects\out\production
  \AI-Projects" Main
2 =====
  =====
  =====
3                               Cost: 0
4                               Dimension: 5
5
6
7 Left:      Torch: --> Right: Son1 (1s) | Son2 (3s
  ) | Mother (6s) | Father (8s) | Grandfather (12s) |
8
9 =====
  =====
  =====
10
11
12
13
14 =====
  =====
  =====
15                               Cost: 0
16                               Dimension: 5
17
18
19 Left:      Torch: --> Right: Son1 (1s) | Son2 (3s
  ) | Mother (6s) | Father (8s) | Grandfather (12s) |
20
21 =====
  =====
  =====
22
23
24

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25 =====
   =====
   =====
26                      Cost: 3
27                      Dimension: 5
28
29
30 Left: Son1 (1s) | Son2 (3s) |          Torch: <-- Right
   : Mother (6s) | Father (8s) | Grandfather (12s) |
31
32 =====
   =====
   =====
33
34
35
36 =====
   =====
   =====
37                      Cost: 4
38                      Dimension: 5
39
40
41 Left: Son2 (3s) |          Torch: --> Right: Son1 (1s
   ) | Mother (6s) | Father (8s) | Grandfather (12s) |
42
43 =====
   =====
   =====
44
45
46
47 =====
   =====
   =====
48                      Cost: 10
49                      Dimension: 5
50
51
52 Left: Son1 (1s) | Son2 (3s) | Mother (6s) |          Torch
   : <-- Right: Father (8s) | Grandfather (12s) |

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53
54 =====
   =====
   =====
55
56
57
58 =====
   =====
   =====
59                      Cost: 11
60                      Dimension: 5
61
62
63 Left: Son2 (3s) | Mother (6s) |           Torch: --> Right:
   : Son1 (1s) | Father (8s) | Grandfather (12s) |
64
65 =====
   =====
   =====
66
67
68
69 =====
   =====
   =====
70                      Cost: 23
71                      Dimension: 5
72
73
74 Left: Father (8s) | Son2 (3s) | Mother (6s) |
   Grandfather (12s) |           Torch: <-- Right: Son1 (
   1s) |
75
76 =====
   =====
   =====
77
78
79
80 =====
```

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80
=====
=====
81                      Cost: 26
82                      Dimension: 5
83
84
85 Left: Father (8s) | Mother (6s) | Grandfather (12s
   ) |           Torch: --> Right: Son1 (1s) | Son2 (3s
   ) |
86
87 =====
=====
=====
88
89
90
91 =====
=====
=====
92                      Cost: 29
93                      Dimension: 5
94
95
96 Left: Father (8s) | Son1 (1s) | Mother (6s) |
   Grandfather (12s) | Son2 (3s) |           Torch: <--
   Right:
97
98 =====
=====
=====
99
100
101
102
103 Search time: 0.002 sec.
104
105 Process finished with exit code 0
106
```