```
C:\Users\Gwgw\.jdks\corretto-17.0.7\bin\java.exe "-
javaagent:C:\Program Files\JetBrains\IntelliJ IDEA 2023
.2.3\lib\idea_rt.jar=58821:C:\Program Files\JetBrains\
IntelliJ IDEA 2023.2.3\bin" -Dfile.encoding=UTF-8 -
classpath "C:\Users\Gwgw\Documents\E-class\ΠΛΗΡΟΦΟΡΙΚΗ\
Η' Εξάμηνο\Τεχνητή Νοημοσύνη (Artificial Intelligence)\
GIT PROJECTS\AI-Projects\out\production\AI-Projects;C:\
Users\Gwgw\.m2\repository\org\jetbrains\annotations\24.
0.0\annotations-24.0.0.jar" Main
==============================================================
==============================================================
                    Cost: 0
                    Dimension: 5


Left:         Torch: --> Right: Son1 (1s) | Son2 (3s) |
Mother (6s) | Father (8s) | Grandfather (12s) |

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    ==========================================================
                    Cost: 3
                    Dimension: 5


Left: Son1 (1s) | Son2 (3s) |         Torch: <-- Right:
Mother (6s) | Father (8s) | Grandfather (12s) |

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    ==========================================================
                    Cost: 4
                    Dimension: 5
```

```
Left: Son2 (3s) |         Torch: --> Right: Son1 (1s) |
Mother (6s) | Father (8s) | Grandfather (12s) |
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```
                              Cost: 10
                              Dimension: 5

```
Left: Son1 (1s) | Son2 (3s) | Mother (6s) |     Torch
: <-- Right: Father (8s) | Grandfather (12s) |
```

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```
                              Cost: 11
                              Dimension: 5

```
Left: Son2 (3s) | Mother (6s) |         Torch: --> Right:
Son1 (1s) | Father (8s) | Grandfather (12s) |
```

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```
                              Cost: 23

Dimension: 5

Left: Father (8s) | Son2 (3s) | Mother (6s) |
Grandfather (12s) | Torch: <-- Right: Son1 (1s
) |

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                    Cost: 26
                    Dimension: 5

Left: Father (8s) | Mother (6s) | Grandfather (12s
) | Torch: --> Right: Son1 (1s) | Son2 (3s) |

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                    Cost: 29
                    Dimension: 5

Left: Father (8s) | Son1 (1s) | Mother (6s) |
Grandfather (12s) | Son2 (3s) | Torch: <--
Right:

==
==

```
Search time: 0.0 sec.

Process finished with exit code 0
```