| 5 |  |  |  |  |  |  |
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| 4 |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |
| 2 | I |  |  |  |  |  |
| 1 |  |  |  | G |  |  |
|  | 1 | 2 | 3 | 4 | 5 |  |

 DFS

| Μέτωπο αναζήτησης | Κλειστό σύνολο | Μικροσκόπιο | Καταστάσεις παιδ. |
| --- | --- | --- | --- |
| (1, 2) | - | (1, 2) | (2,2) |
| (2,2) | (1,2) | (2,2) | (1,2 ), (2,3) |
| (1,2 ), (2,3) | (1,2 ), (2,2) | (1, 2) | - |
| (2,3) | (1,2 ), (2,2) | (2,3 ) | (2,2), (2, 4) |
| (2,2), (2, 4) | (1,2 ), (2,2), (2,3) | (2,2) | - |
| (2,4) | (1,2 ), (2,2), (2,3) | (2,4) | (2,3) (3, 4) |
| (2,3) (3, 4) | (1,2 ), (2,2), (2,3), (2,4) | (2,3) | - |
| (3,4) | (1,2 ), (2,2), (2,3), (2,4) | (3,4) | (2,4) (4,4) |
| (2,4) (4,4) | (1,2 ), (2,2), (2,3), (2,4) (3,4) | (2,4) | - |
| (4,4) | (1,2 ), (2,2), (2,3), (2,4) (3,4) | (4,4) | (3,4), (5, 4), (4,3) |
| (3,4), (5, 4), (4,3) | (1,2 ), (2,2), (2,3), (2,4) (3,4) (4,4) | (3,4) | - |
| (5, 4), (4,3) | (1,2 ), (2,2), (2,3), (2,4) (3,4) (4,4) | (5,4) | (4,4) |
| (DFS) (4,4), (4,3) | (1,2 ), (2,2), (2,3), (2,4) (3,4) (4,4), (5,4) | (4,4) | - |
| (4,3) | (1,2 ), (2,2), (2,3), (2,4) (3,4) (4,4), (5,4) | (4,3) | (4,4), (4,2) |
| (4,4), (4,2) | (1,2 ), (2,2), (2,3), (2,4) (3,4) (4,4), (5,4), (4,3) | (4,4) | - |
| (4,2) | (1,2 ), (2,2), (2,3), (2,4) (3,4) (4,4), (5,4), (4,3) | (4,2) | (4,3), (5, 2), (4,1) |
| (4,3), (5, 2), (4,1) | (1,2 ), (2,2), (2,3), (2,4) (3,4) (4,4), (5,4), (4,3), (4,2) | (4,3) | - |
| (5, 2), (4,1) | (1,2 ), (2,2), (2,3), (2,4) (3,4) (4,4), (5,4), (4,3), (4,2) | (5,2) | (4,2) |
| (DFS) (4,2), (4, 1) | (1,2 ), (2,2), (2,3), (2,4) (3,4) (4,4), (5,4), (4,3), (4,2), (5,2) | (4,2) | - |
| (4,1) | (1,2 ), (2,2), (2,3), (2,4) (3,4) (4,4), (5,4), (4,3), (4,2), (5,2) | (4,1) G |  |

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| 4 |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |
| 2 | I |  |  |  |  |  |
| 1 |  |  |  | G |  |  |
|  | 1 | 2 | 3 | 4 | 5 |  |

BFS

| Μέτωπο αναζήτησης | Κλειστό σύνολο | Μικροσκόπιο | Καταστάσεις παιδ. |
| --- | --- | --- | --- |
| (1, 2) | - | (1, 2) | (2,2) |
| (2,2) | (1,2) | (2,2) | (1,2 ), (2,3) |
| (1,2 ), (2,3) | (1,2 ), (2,2) | (1, 2) | - |
| (2,3) | (1,2 ), (2,2) | (2,3 ) | (2,2), (2, 4) |
| (2,2), (2, 4) | (1,2 ), (2,2), (2,3) | (2,2) | - |
| (2,4) | (1,2 ), (2,2), (2,3) | (2,4) | (2,3) (3, 4) |
| (2,3) (3, 4) | (1,2 ), (2,2), (2,3), (2,4) | (2,3) | - |
| (3,4) | (1,2 ), (2,2), (2,3), (2,4) | (3,4) | (2,4) (4,4) |
| (2,4) (4,4) | (1,2 ), (2,2), (2,3), (2,4) (3,4) | (2,4) | - |
| (4,4) | (1,2 ), (2,2), (2,3), (2,4) (3,4) | (4,4) | (3,4), (5, 4), (4,3) |
| (3,4), (5, 4), (4,3) | (1,2 ), (2,2), (2,3), (2,4) (3,4) (4,4) | (3,4) | - |
| (5, 4), (4,3) | (1,2 ), (2,2), (2,3), (2,4) (3,4) (4,4) | (5,4) | (4,4) |
| (BFS) (4,3), (4,4) | (1,2 ), (2,2), (2,3), (2,4) (3,4) (4,4), (5,4) | (4,3) | (4,4), (4,2) |
| (BFS) (4,4), (4,4), (4, 2) | (1,2 ), (2,2), (2,3), (2,4) (3,4) (4,4), (5,4), (4,3) | (4,4) | - |
| (4,4), (4, 2) | (1,2 ), (2,2), (2,3), (2,4) (3,4) (4,4), (5,4), (4,3) | (4,4) | - |
| (4,2) | (1,2 ), (2,2), (2,3), (2,4) (3,4) (4,4), (5,4), (4,3) | (4,2) | (4,3), (5,2), (4,1) |
| (4,3), (5,2), (4,1) | (1,2 ), (2,2), (2,3), (2,4) (3,4) (4,4), (5,4), (4,3), (4,2) | (4, 3) | - |
| (5,2), (4,1) | (1,2 ), (2,2), (2,3), (2,4) (3,4) (4,4), (5,4), (4,3), (4,2) | (5,2) | (4,2) |
| (BFS) (4,1), (4,2) | (1,2 ), (2,2), (2,3), (2,4) (3,4) (4,4), (5,4), (4,3), (4,2), (5,2) | (4,1) G |  |
| (4,2) | (1,2 ), (2,2), (2,3), (2,4) (3,4) (4,4), (5,4), (4,3), (4,2), (5,2), (4,1) | (4,2) | - |

| 5 |  |  |  |  |  |  |
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| 4 |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |
| 2 | I |  |  |  |  |  |
| 1 |  |  |  | G |  |  |
|  | 1 | 2 | 3 | 4 | 5 |  |

BDS

| Μέτωπο αναζήτησης | Κλειστό σύνολο | Μικροσκόπιο | Καταστάσεις παιδ. |
| --- | --- | --- | --- |
| (1, 2) | - | (1, 2) | (2,2) |
| (2,2) | (1,2) | (2,2) | (1,2), (2, 3) |
| (1,2), (2, 3) | (1,2), (2,2) | (1,2) | - |
| (2,3) | (1,2), (2,2) | (2,3) | (2,2), (2,4) |
| (2,4) | (1,2), (2,2), (2,3) | (2,4) | (2, 3), (3, 4) |
| (2, 3), (3, 4) | (1,2), (2,2), (2,3), (2,4) | (2,3) | - |
| (3, 4) | (1,2), (2,2), (2,3), (2,4) | (3,4) | (2,4), (4,4) |
| (2,4), (4,4) | (1,2), (2,2), (2,3), (2, 4), (3,4) | (2,4) | - |
| (4,4) | (1,2), (2,2), (2,3), (2 4), (3,4) | (4,4) |  |

| Μέτωπο αναζήτησης | Κλειστό σύνολο | Μικροσκόπιο | Καταστάσεις παιδ. |
| --- | --- | --- | --- |
| (4, 1) | - | (4, 1) | (4,2) |
| (4,2) | (4,1) | (4,2) | (4,1), (5, 2), (4, 3) |
| (4,1), (5, 2), (4, 3) | (4,1), (4,2) | (4,1) | - |
| (5, 2), (4, 3) | (4,1), (4,2) | (5,2) | (4,2) |
| (DFS) (4,2), (4,3) | (4,1), (4,2), (5,2) | (4,2) | - |
| (4,3) | (4,1), (4,2), (5,2) | (4,3) | (4, 2), (4,4) |
| (4,2), (4,4) | (4,1), (4,2), (5,2), (4,3) | (4,2) | - |
| (4,4) | (4,1), (4,2), (5,2), (4,3) | (4,4) | (3,4), (5,4), (4,3) |