**A 10 x 10 maze application (traversal path exists)**

Solid lines show non-passable walls, dotted lines show passage:

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**Table representation of the maze**

**Figure 1**

|  |  |
| --- | --- |
| North-south passable walls represented in a file  0: passable 1: non-passable | East-west file passable walls represented in a file |
| **Figure 2** | **Figure 3** |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Solution path for the maze   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 |  |  |  |  |  |  | |  |  |  | 5 |  | 11 | 12 | 13 |  |  | |  |  |  | 6 |  | 10 |  | 14 |  |  | |  |  |  | 7 | 8 | 9 |  | 15 |  |  | |  |  |  |  |  | 18 | 17 | 16 |  |  | |  |  |  |  |  | 19 |  |  |  |  | |  |  |  |  |  | 20 | 21 |  |  |  | |  |  |  |  |  |  | 22 | 27 | 28 |  | |  |  |  |  |  |  | 23 | 26 | 29 | 30 | |  |  |  |  |  |  | 24 | 25 |  | 31 | |  |

**Figure 4**

**Optional smaller sized maze for testing purposes**

|  |  |  |  |
| --- | --- | --- | --- |
| (0,0) | (0,1) | (0,2) | (0,3) |
| (1,0) | (1,1) | (1,2) | (1,3) |
| (2,0) | (2,1) | (2,2) | (2,3) |
| (3,0) | (3,1) | (3,2) | (3,3) |

**Figure 5**

**A 10 x 10 maze application (no traverse exists)**

Solid line shows non-passable wall, dotted line shows passage:

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**Table representation of the maze**

**Figure 6**

|  |  |
| --- | --- |
| North-south passable walls represented in a file  0: passable 1: non-passable | East-west file passable walls represented in a file |
| **Figure 7** | **Figure 8** |