|  |  |  |  |
| --- | --- | --- | --- |
| Destination | Algorithm | Path | Number of Steps |
| 4 | ***Q-Learning*** | [1, 2, 4] | 2 |
|  | ***Dijkstra*** | [1, 8, 13, 4] | 3 |
|  | ***Random-selection*** | [1, 3, 6, 4] | 3 |
| 7 | ***Q-Learning*** | [1, 3, 6, 7] | 3 |
|  | ***Dijkstra*** | [1, 8, 13, 4, 18, 23, 7] | 6 |
|  | ***Random-selection*** | [1, 2, 5, 18, 23, 7] | 5 |
| 18 | ***Q-Learning*** | [1, 2, 5, 18] | 3 |
|  | ***Dijkstra*** | [1, 8, 13, 4, 18] | 4 |
|  | ***Random-selection*** | [1, 3, 12, 17, 4, 5, 18] | 6 |
| 25 | ***Q-Learning*** | [1, 3, 4, 20, 25] | 4 |
|  | ***Dijkstra*** | [1, 8, 13, 4, 20, 25] | 5 |
|  | ***Random-selection*** | [1, 2, 13, 4, 22, 27, 7, 25] | 7 |
| 20 | ***Q-Learning*** | [1, 2, 4, 20] | 3 |
|  | ***Dijkstra*** | [1, 8, 13, 4, 20] | 4 |
|  | ***Random-selection*** | [1, 8, 2, 5, 19, 4, 20] | 6 |
| 22 | ***Q-Learning*** | [1, 3, 4, 22] | 3 |
|  | ***Dijkstra*** | [1, 8, 13, 4, 22] | 4 |
|  | ***Random-selection*** | [1, 2, 13, 4, 6, 27, 22] | 6 |
| 17 | ***Q-Learning*** | [1, 12, 17] | 2 |
|  | ***Dijkstra*** | [1, 12, 17] | 2 |
|  | ***Random-selection*** | [1, 2, 4, 3, 17] | 4 |
| 15 | ***Q-Learning*** | [1, 10, 15] | 2 |
|  | ***Dijkstra*** | [1, 10, 15] | 2 |
|  | ***Random-selection*** | [1, 3, 6, 4, 15] | 4 |
| 27 | ***Q-Learning*** | [1, 12, 3, 6, 27] | 4 |
|  | ***Dijkstra*** | [1, 8, 13, 4, 22, 27] | 5 |
|  | ***Random*** | [1, 2, 5, 4, 6, 27] | 5 |
| 23 | ***Q-Learning*** | [1, 2, 4, 18, 23] | 4 |
|  | ***Dijkstra*** | [1, 8, 13, 4, 18, 23] | 5 |
|  | ***Random*** | [1, 3, 6, 7, 5, 23] | 5 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Destination | Algorithm | Path | Number of Steps | Execution Time (27x27) | Execution Time (17x17) |
| 4 | *Q-Learning* | [1, 2, 4] | 2 | 0.00097 seconds | 0.00093 seconds |
|  | *Dijkstra* | [1, 8, 13, 4] | 3 | 0.000034 seconds | 0.000023 seconds |
|  | *Random-selection* | [1, 3, 6, 4] | 3 | 0.00188 seconds | 0.00133 seconds |
| 7 | *Q-Learning* | [1, 3, 6, 7] | 3 | 0.00097 seconds | 0.00093 seconds |
|  | *Dijkstra* | [1, 8, 13, 4, 18, 23, 7] | 6 | 0.000034 seconds | 0.000023 seconds |
|  | *Random-selection* | [1, 2, 5, 18, 23, 7] | 5 | 0.00188 seconds | 0.00133 seconds |
| 18 | *Q-Learning* | [1, 2, 5, 18] | 3 | 0.00097 seconds | 0.00093 seconds |
|  | *Dijkstra* | [1, 8, 13, 4, 18] | 4 | 0.000034 seconds | 0.000023 seconds |
|  | *Random-selection* | [1, 3, 12, 17, 4, 5, 18] | 6 | 0.00188 seconds | 0.00133 seconds |
| 25 | *Q-Learning* | [1, 3, 4, 20, 25] | 4 | 0.00097 seconds | 0.00093 seconds |
|  | *Dijkstra* | [1, 8, 13, 4, 20, 25] | 5 | 0.000034 seconds | 0.000023 seconds |
|  | *Random-selection* | [1, 2, 13, 4, 22, 27, 7, 25] | 7 | 0.00188 seconds | 0.00133 seconds |
| 20 | *Q-Learning* | [1, 2, 4, 20] | 3 | 0.00097 seconds | 0.00093 seconds |
|  | *Dijkstra* | [1, 8, 13, 4, 20] | 4 | 0.000034 seconds | 0.000023 seconds |
|  | *Random-selection* | [1, 8, 2, 5, 18, 4, 20] | 6 | 0.00188 seconds | 0.00133 seconds |
| 22 | *Q-Learning* | [1, 3, 4, 22] | 3 | 0.00097 seconds | 0.00093 seconds |
|  | *Dijkstra* | [1, 8, 13, 4, 22] | 4 | 0.000034 seconds | 0.000023 seconds |
|  | *Random-selection* | [1, 2, 13, 4, 6, 27, 22] | 6 | 0.00188 seconds | 0.00133 seconds |
| 17 | *Q-Learning* | [1, 12, 17] | 2 | 0.00097 seconds | 0.00093 seconds |
|  | *Dijkstra* | [1, 12, 17] | 2 | 0.000034 seconds | 0.000023 seconds |
|  | *Random-selection* | [1, 2, 4, 3, 17] | 4 | 0.00188 seconds | 0.00133 seconds |
| 15 | *Q-Learning* | [1, 10, 15] | 2 | 0.00097 seconds | 0.00093 seconds |
|  | *Dijkstra* | [1, 10, 15] | 2 | 0.000034 seconds | 0.000023 seconds |
|  | *Random-selection* | [1, 3, 6, 4, 15] | 4 | 0.00188 seconds | 0.00133 seconds |
| 27 | *Q-Learning* | [1, 12, 3, 6, 27] | 4 | 0.00097 seconds | 0.00093 seconds |
|  | *Dijkstra* | [1, 8, 13, 4, 22, 27] | 5 | 0.000034 seconds | 0.000023 seconds |
|  | *Random-selection* | [1, 2, 5, 4, 6, 27] | 5 | 0.00188 seconds | 0.00133 seconds |
| 23 | *Q-Learning* | [1, 2, 4, 18, 23] | 4 | 0.00097 seconds | 0.00093 seconds |
|  | *Dijkstra* | [1, 8, 13, 4, 18, 23] | 5 | 0.000034 seconds | 0.000023 seconds |
|  | *Random-selection* | [1, 3, 6, 7, 5, 23] | 5 | 0.00188 seconds | 0.00133 seconds |