

Maze	Size	DFS Number of Steps	DFS Time (ms)	BFS Number of Steps	BFS Time (ms)
1	20 x 20	778	12.0	22	9.0
2	20 x 20	30	9.0	32	9.0
3	20 x 20	657	12.0	103	10.0
4	20 x 20	29	9.0	30	9.0
5	20 x 20	789	12.0	10	9.0
6	20 x 50	1936	15.0	56	9.0
7	20 x 50	1966	16.0	39	9.0
8	20 x 50	34	9.0	35	9.0
9	20 x 50	1983	16.0	16	9.0
10	20 x 50	23	9.0	24	9.0
11	100 x 100	50	9.0	51	9.0
12	100 x 100	19974	62.0	25	10.0
13	100 x 100	35	9.0	36	9.0
14	100 x 100	19969	78.0	31	9.0
15	100 x 100	19976	84.0	24	10.0

Analysis

Breadth first search is the better performing algorithm as depth first solving time and number of steps increase at a faster rate than breadth first search. On each comparison breadth first search perform less or similar steps to achieve the same outcome.