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## **Comparison Data**

Maze	Size	DFS Number of Steps	DFS Time (ms)	BFS Number of Steps	BFS Time (ms)
1	20 x 20	778	1.2941	22	0.4936
2	20 x 20	30	0.2219	32	0.4687
3	20 x 20	657	0.9503	103	0.5995
4	20 x 20	29	0.242	30	0.4839
5	20 x 20	789	1.1494	10	0.4599
6	20 x 50	1936	2.1072	56	0.5592
7	20 x 50	1966	1.9749	39	0.5398
8	20 x 50	34	0.2376	35	0.5286
9	20 x 50	1983	2.1426	16	0.4667
10	20 x 50	23	0.2198	24	0.4827
11	100 x 100	50	0.2993	51	0.5731
12	100 x 100	19974	9.4012	25	0.4977
13	100 x 100	35	0.2543	36	0.5263
14	100 x 100	19969	8.8147	31	0.5369
15	100 x 100	19976	8.5338	24	0.5008

## **Analysis**

BFS performs significantly better compared to DFS as the solving time and number of steps increase at a faster rate for DFS than BFS. BFS performed significantly less or similar steps to achieve the same outcome than DFS. DFS may end up traversing down wrong paths increasing the steps required.