

Lab 2 - Uninformed Search

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1. Maze 7 produced different results for BFS and DFS. The optimal path was found with BFS because that is guaranteed to return the optimal path. Since DFS has a longer path than BFS, then the path is not optimal.
2. However, the DFS paths were all noticeably smaller in the cross maps. This could be because the paths were much smaller on the cross maps than the border maps in DFS.
3. In general the BFS paths were all roughly the same size in memory between crosses and borders. This is caused by the fact that BFS always finds the optimal path, meaning that similar memory will be used for similar path sizes.
4. The DFS search was faster and used less memory in cross mazes. DFS suffered in the border mazes.