

Mazeworld problem:
attempted with search method Astar with heuristic null_heuristic
number of nodes visited: 4929
solution length: 12
cost: 9
path: [(0, 2, 0, 5, 0, 5, 2), (1, 2, 0, 5, 0, 5, 2), (2, 2, 0, 5, 1, 5, 2), (0, 2, 0, 5, 1, 5, 2), (1, 2, 0, 5, 1, 5, 2), (2, 2, 0, 4, 1, 5, 2), (0, 2, 0, 4, 1, 5, 1), (1, 2, 1, 4, 1, 5, 1), (2, 2, 1, 4, 2, 5, 1), (0, 2, 1, 4, 2, 4, 1), (1, 3, 1, 4, 2, 4, 1), (2, 3, 1, 3, 2, 4, 1)]

No heuristic time: 6.048436880111694

Mazeworld problem:
attempted with search method Astar with heuristic euclidian_heuristic
number of nodes visited: 173
solution length: 14
cost: 9
path: [(0, 2, 0, 5, 0, 5, 2), (1, 2, 0, 5, 0, 5, 2), (2, 2, 0, 5, 1, 5, 2), (0, 2, 0, 5, 1, 5, 2), (1, 2, 0, 5, 1, 5, 2), (2, 2, 0, 4, 1, 5, 2), (0, 2, 0, 4, 1, 5, 2), (1, 2, 0, 4, 1, 5, 2), (2, 2, 0, 3, 1, 5, 2), (0, 2, 0, 3, 1, 4, 2), (1, 2, 1, 3, 1, 4, 2), (2, 2, 1, 3, 2, 4, 2), (0, 2, 1, 3, 2, 4, 1), (1, 3, 1, 3, 2, 4, 1)]

Euclidian heuristic time: 0.028256893157958984

Mazeworld problem:
attempted with search method Astar with heuristic manhattan_heuristic
number of nodes visited: 41
solution length: 12
cost: 9
path: [(0, 2, 0, 5, 0, 5, 2), (1, 2, 1, 5, 0, 5, 2), (2, 2, 1, 5, 1, 5, 2), (0, 2, 1, 5, 1, 5, 2), (1, 3, 1, 5, 1, 5, 2), (2, 3, 1, 4, 1, 5, 2), (0, 3, 1, 4, 1, 5, 1), (1, 3, 1, 4, 1, 5, 1), (2, 3, 1, 4, 2, 5, 1), (0, 3, 1, 4, 2, 4, 1), (1, 3, 1, 4, 2, 4, 1), (2, 3, 1, 3, 2, 4, 1)]

Manhattan heuristic time: 0.0068569183349609375