

	maze1.txt	maze2.txt	maze3.txt	maze4.txt	maze5.txt
Astar	11	60	5	10	5
Greedy	11	53	5	8	5

The greedy algorithm performs better than Astar algorithm on maze2.txt and maze4.txt (where DFS takes fewer steps because of deepest node expansion).

Greedy algorithm relies solely on heuristics (estimate distance from the goal state) and keeps expanding nodes which have lower heuristic and that is why it is able to reach goal state faster, as it backtracks when distance or heuristics grow higher.

Another reason because of which Greedy performs better than Astar Algorithm is that the cost or  $g$  cost does not vary much b/w states so it does not impact much or sometimes leads to wrong exploration.