

Table for Extra Credit:-			
m	A*	Weighted A*	Avg Nodes Visited
1	1	1	1
2	3	3	4
3	2	2	3
4	5	5	17
5	6	6	26
6	8	9	136
7	9	9	286
8	8	9	143

From the given table the conclusions I am able to draw:-

- ① The A* search finds optimal path, while weighted A* search finds the path fastest compromising optimality.

② Increasing the stack size
the average number of
nodes increases
exponentially.