

Q1.2 The Writing Component

1.2.a)

The count of node expansions varies by the depth limit set by user. At depth limit= 50 the node expansion count is 30584

1.2.b)

Node Expansions BFS: 58172

1.2.c)

Node Expansions UCS: 77210

1.2.d)

Node Expansions A* Manhattan: 252

1.2.e)

Node Expansions A* SLD: 391

Q2.2 The Writing Component

2.2.a)

DFS did 4 expansions of the search tree to find the solution

2.2.b)

BFS did 30 expansions of the search tree to find the solution

2.2.c)

UCS did 22 expansions of the search tree to find the solution

2.2.d)

A* Manhattan did 12 expansions of the search tree to find the solution

2.2.e)

A* SLD did 17 expansions of the search tree to find the solution