A* search algorithm

Evaluation function ((n) = g(n)+ h(n)

g(n)= cost so far to reach n

from to goal

from the goal

from the goal

n to goal.

So, A* search takes the post path cost which is already traversed and juture path cost to reach goal. So, a node with least f(n) is selected for expansion.

- · Admissible 'A* algorithm
 · Consistency in A* algorithm

Complete: Yes
Time - Exponential
Space: keeps all nodes in memory
Space: keeps all nodes in memory Optimal: Yes
Mare définition = [010000
0 0 0 0 0
01010
0 1 0 0 1 0
00000
1-indicates burrier 0-indicates a square tree to go
0-indicates à corrère tree to que
Giving a start bootition applying At seach
Giving a start position, applying At search with I (n) = g(n)+ h(n) (eads to destination