

1)

a.

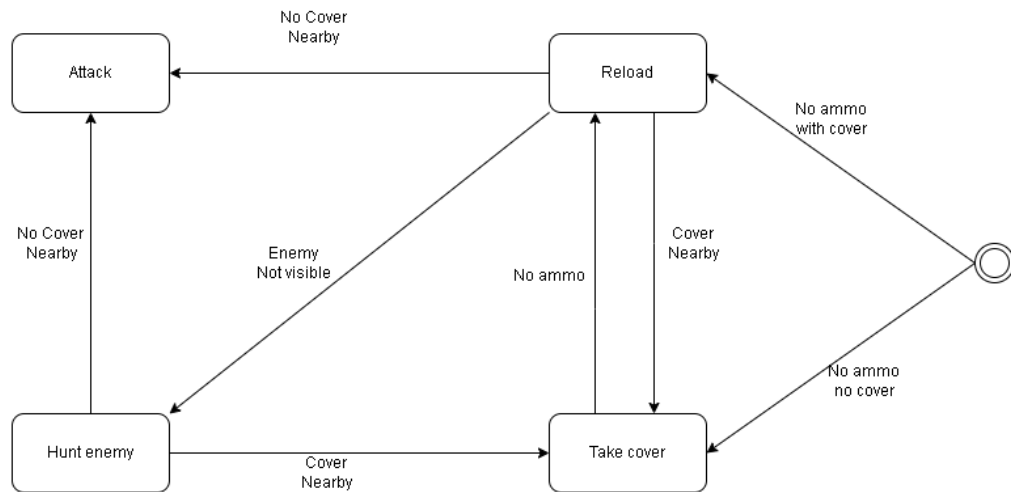
Current Node	Open List	Closed List
-	(S,0,-)	
S	(A,3,SA), (B,10,SB)	(S,0,-)
A	(B, 8, AB), (D, 9, AD), (C,12,AC)	(S,0,-), (A,3,SA)
B	(D, 9, AD), (C,11,BC), (G,23,BG)	(S,0,-), (A,3,SA), (B, 8, AB)
D	(C,11,BC), (E,23,DE)	(S,0,-), (A,3,SA), (B, 8, AB), (D, 9, AD)
C	(G,17,CG),	(S,0,-), (A,3,SA), (B, 8, AB), (D, 9, AD), (C,11,BC)
G	(E,18,CE)	(S,0,-), (A,3,SA), (B, 8, AB), (D, 9, AD), (C,11,BC), (G,17,CG)

b. We can stop after checking B

c. 2 paths

2)

a.



b.

