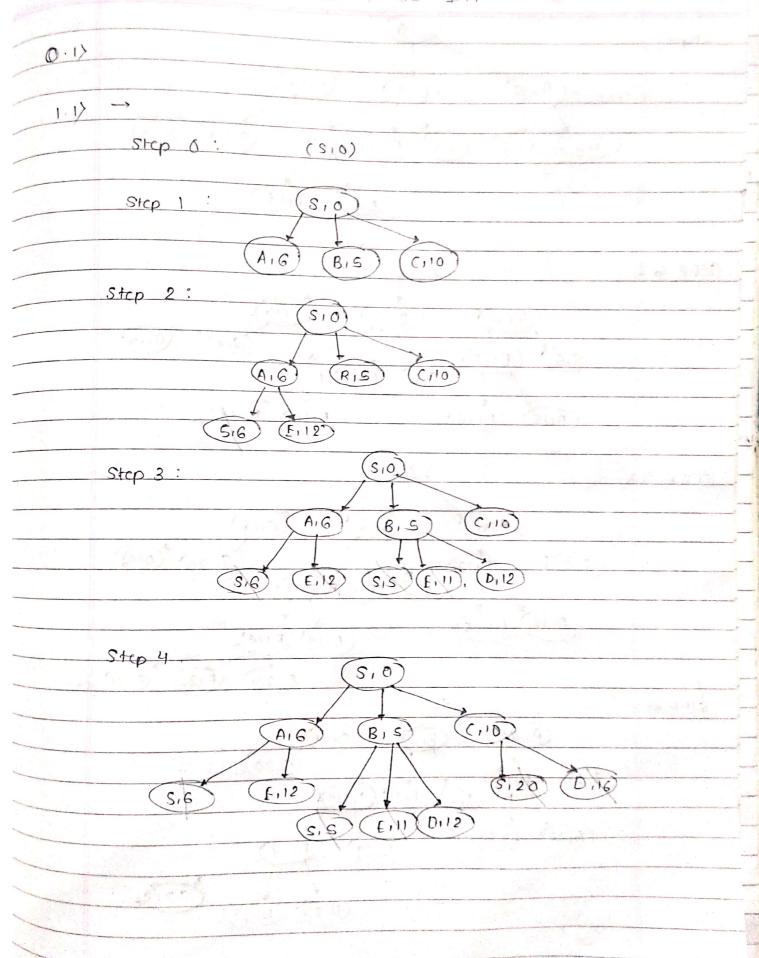
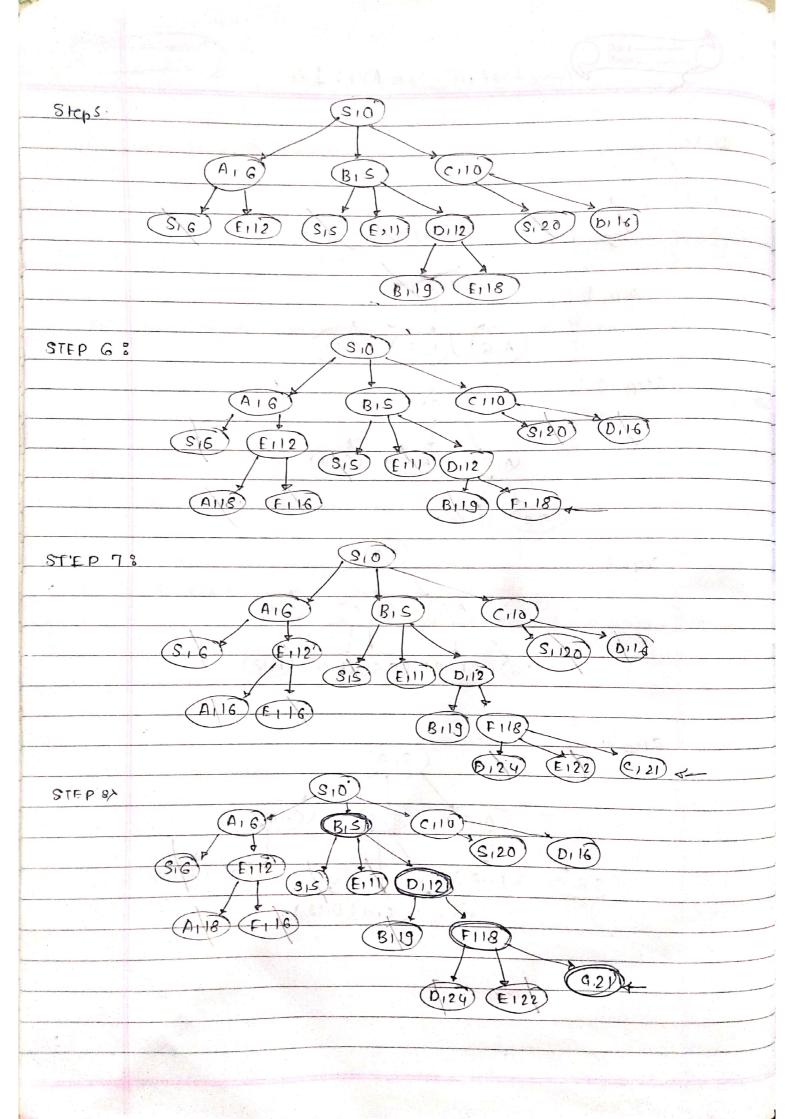
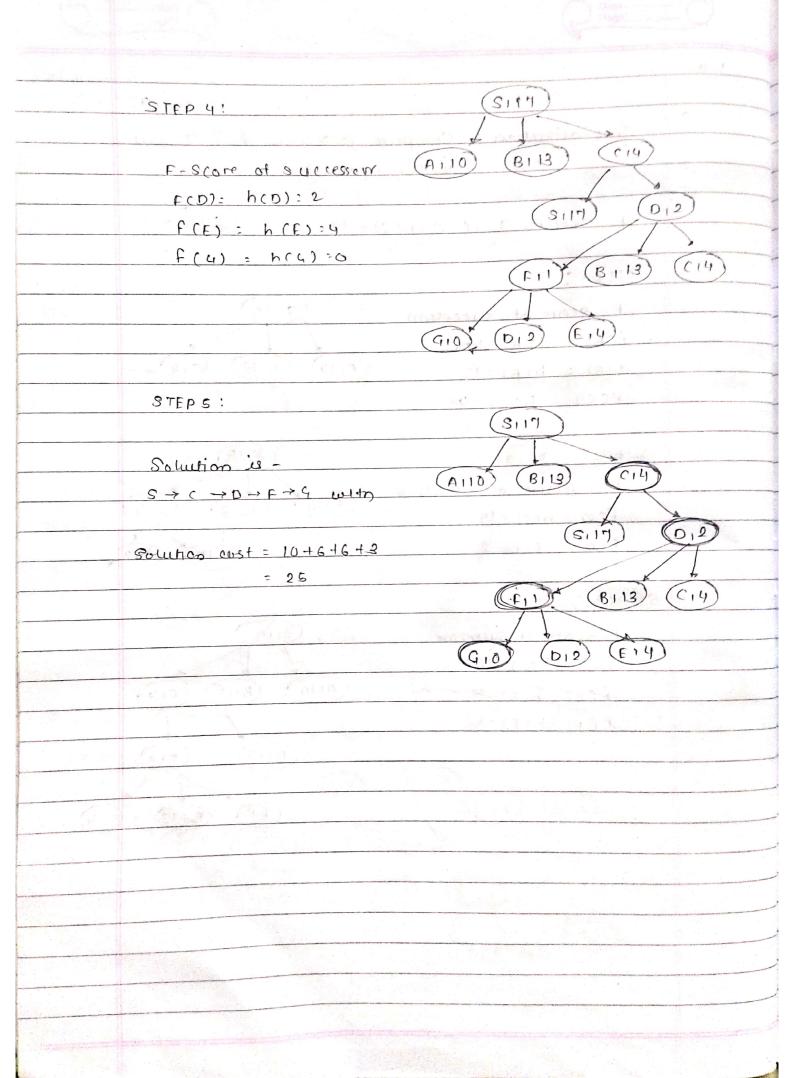
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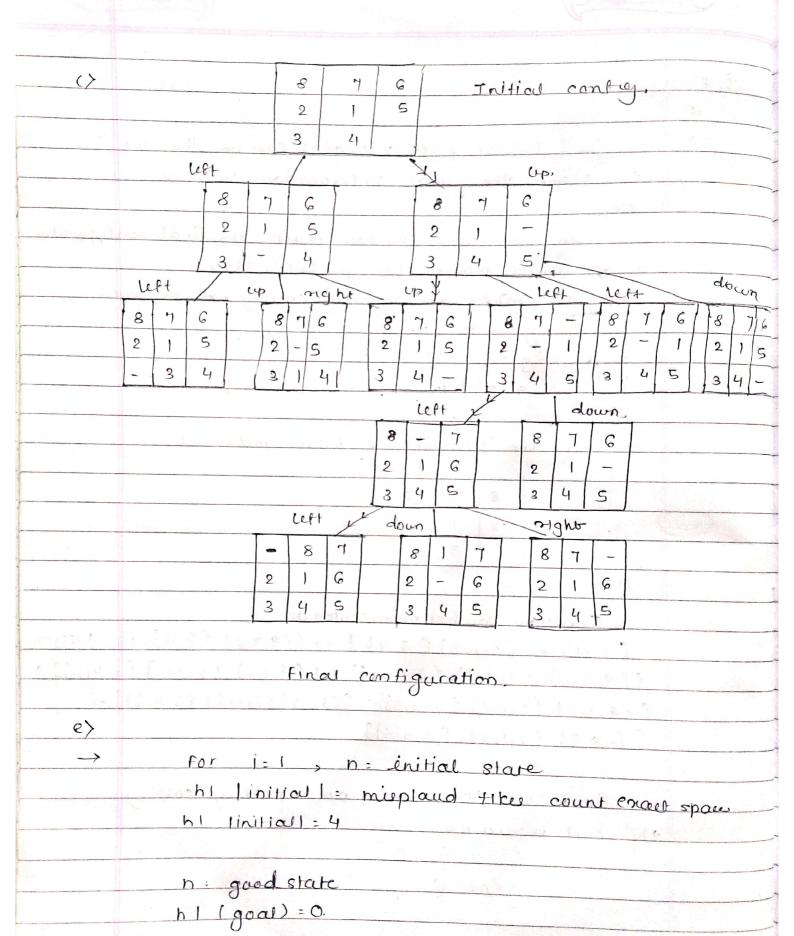




1.42 Instialization: Compute J secure Pors & put 4 in the openlist (3117) + F- secure 8: f(s)=h(s)= 17 STEP1: (3:17) F - Score of successors f(A) = h(A) : 10(BILE) (C14) + (A110) F(B) = h(B) = 13F(() = h(c) = 4 5,17 STEP:2 F- seave of successors A110 C14 B113) fcs> = h(s) = 19 F(b) = F(b): 2 D12 STEP:3 (3117 F-Score of Successor fen: hcc=4 (A110) (B113) f(R): h(B)=13 I(F):h(F)=1 BITT (B13) 1 (14) (FI



(d. 0)					
a>					
->	The lowest pain cost gens can be the cost				
	to reach the goal configuration in least				
	In our case, we can reach the final configuration				
SO 2007	since all mores are equally costly ve compute				
	g(n) = 1+1+1+1				
	g(n) = 4				
	Consider the following &- puzzle instance:				
	8 7 6				
	2 1 5 - 3 4				
	Solutions can be represented as				
	{ {8,7,63 £2,1,5} €-3,48 } → { {8,7,6} €2,15}, {3,-1,43} →				
	((8,7,6) {2,1,5) {3,4,-3) → {{8,7,6} {2,1,-} {3,4,5}} →				
	(8,7,-) {2,1,5} {3,4,5}}→ (18,-7) {2,1,6} {3,4,5}} →				
	[1-,8,7] [211,6], [3,4,5]]				
	And the land of the land of the				
	Since all the mores are equally costly				
	the cost would be				
	g(n)=6				



for n = good state.

h3 (goal) = 0