SIGN

Assignment 1A

NAME: Aditi R. Mandavkar

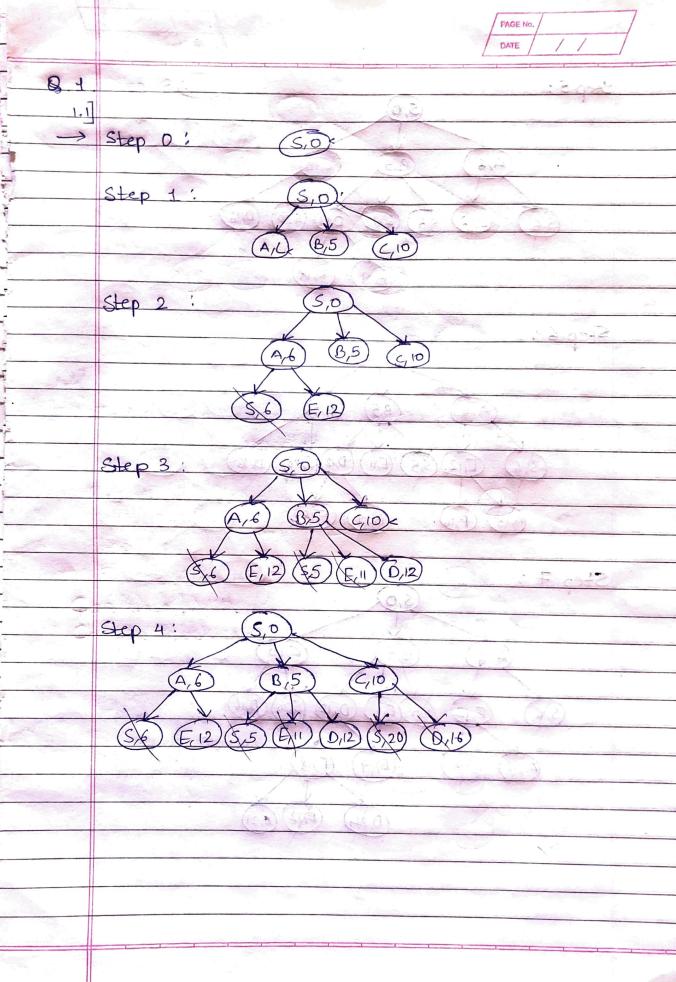
Roll 20.:34

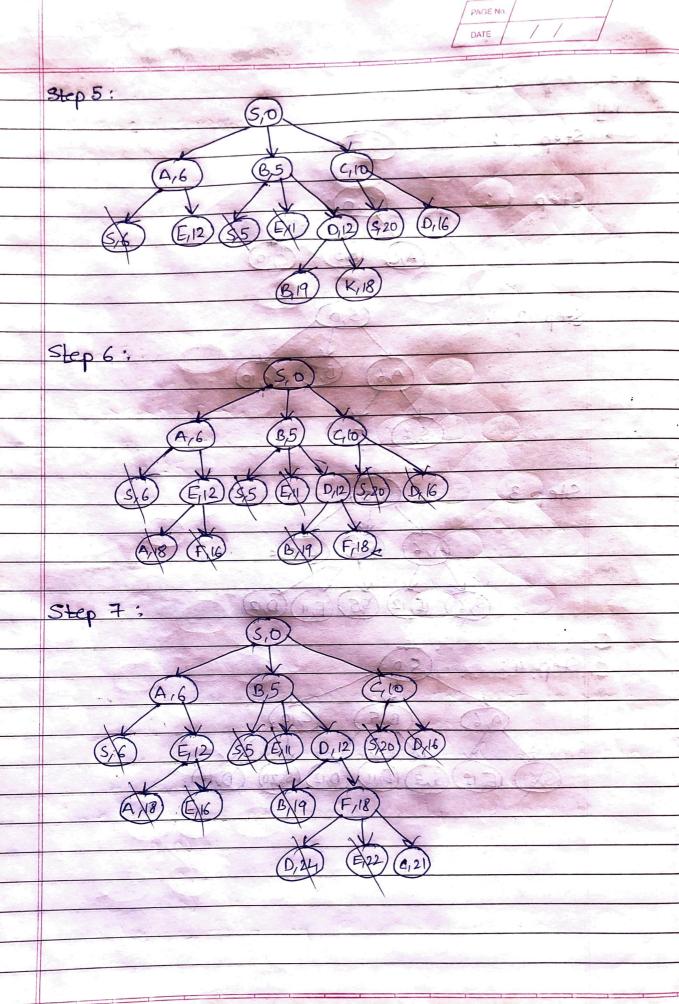
Class : BE-17

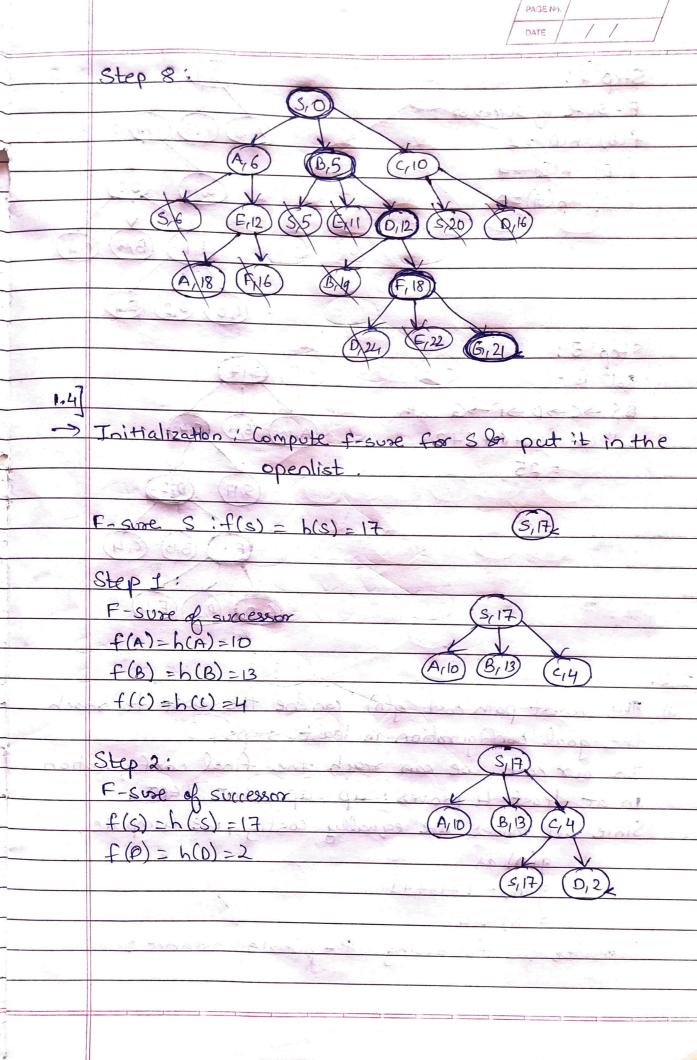
SUB: ISLAB

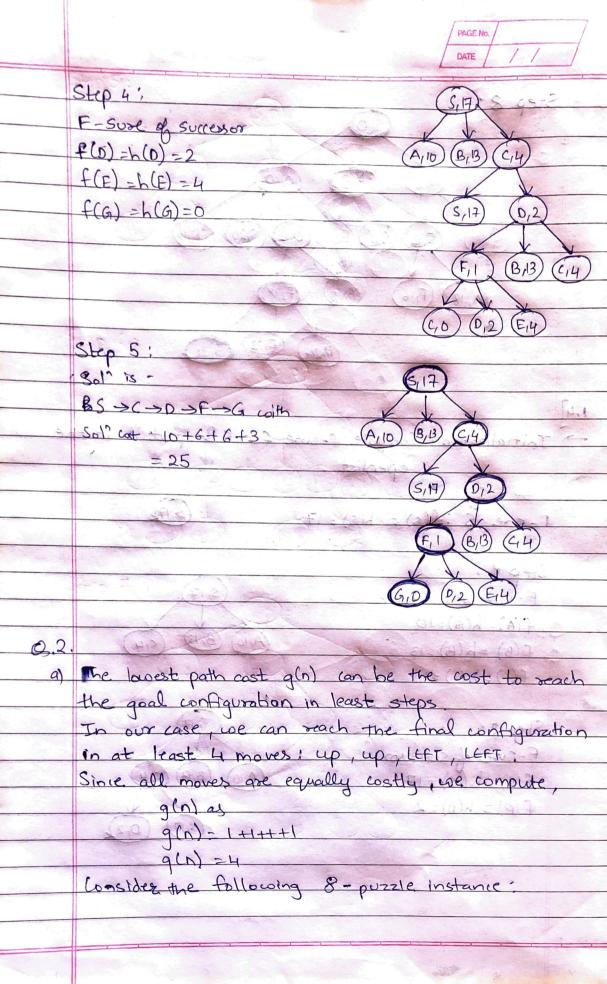
DOP DOA MARKS

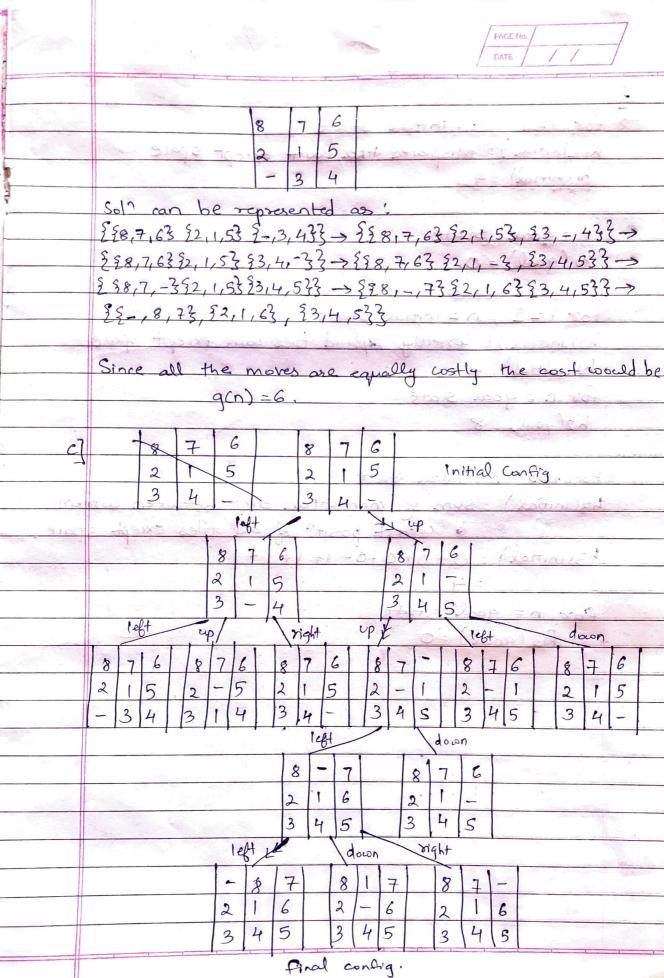
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hi (Initial) = Misplaced tikes count except space hi (initial) = 4

n=goal State hi(qoal)=0

For 1=2, n= initial state

h2(initial) = correctly explaced tiles count except space

h2(initial) = 4

for n = goal state

h2(goal) = 8

For i=3, n-initial state

h3(initial) - sum of manhattan dist between correct

b correct posith of all tiles except space

h3(initial) = 0+0+0+0+1+1+1+1

=4

for n = goal state h3 (goal) =0