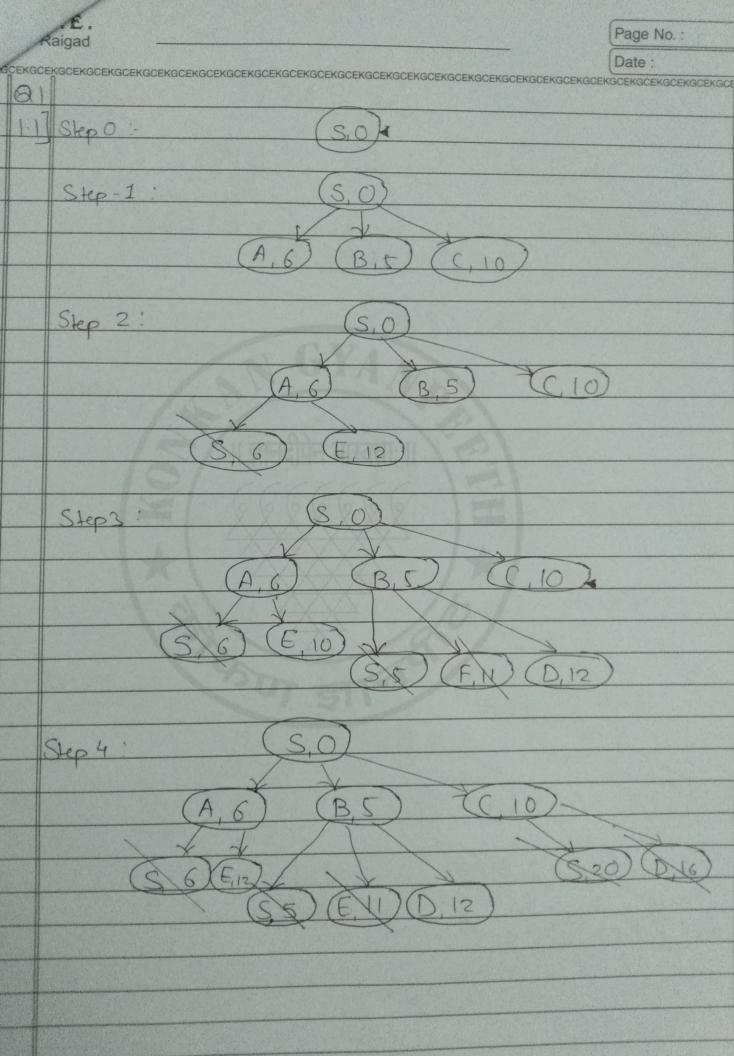
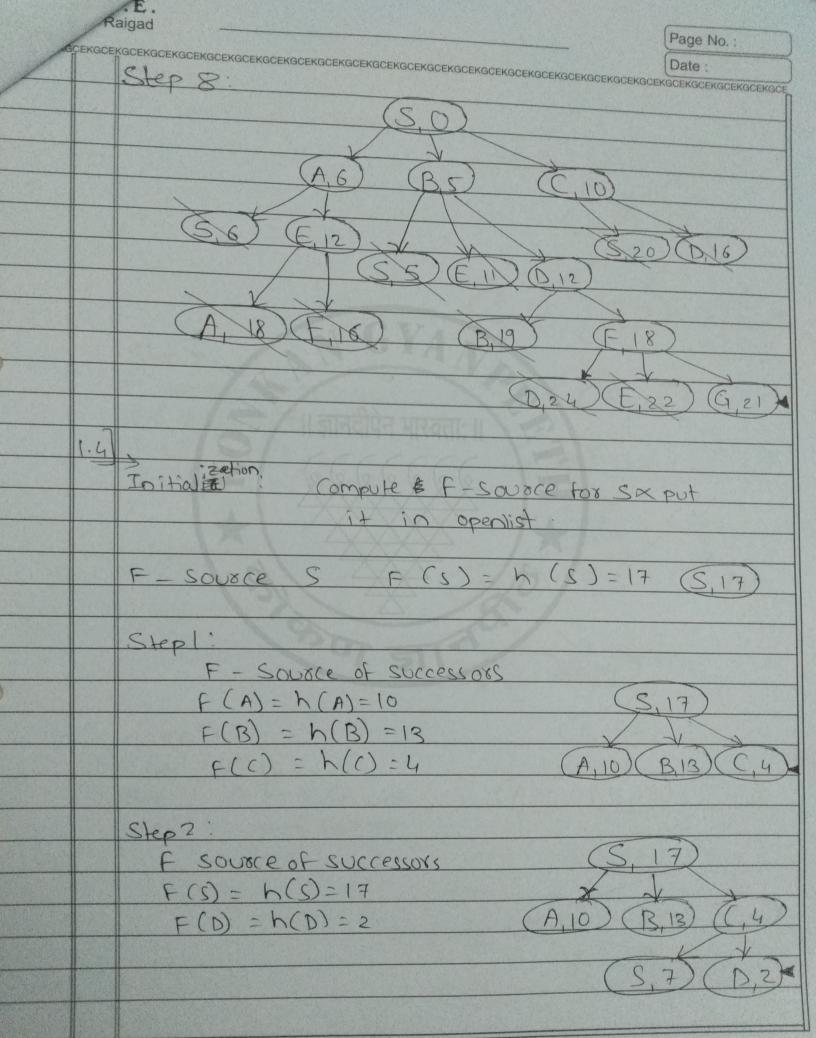
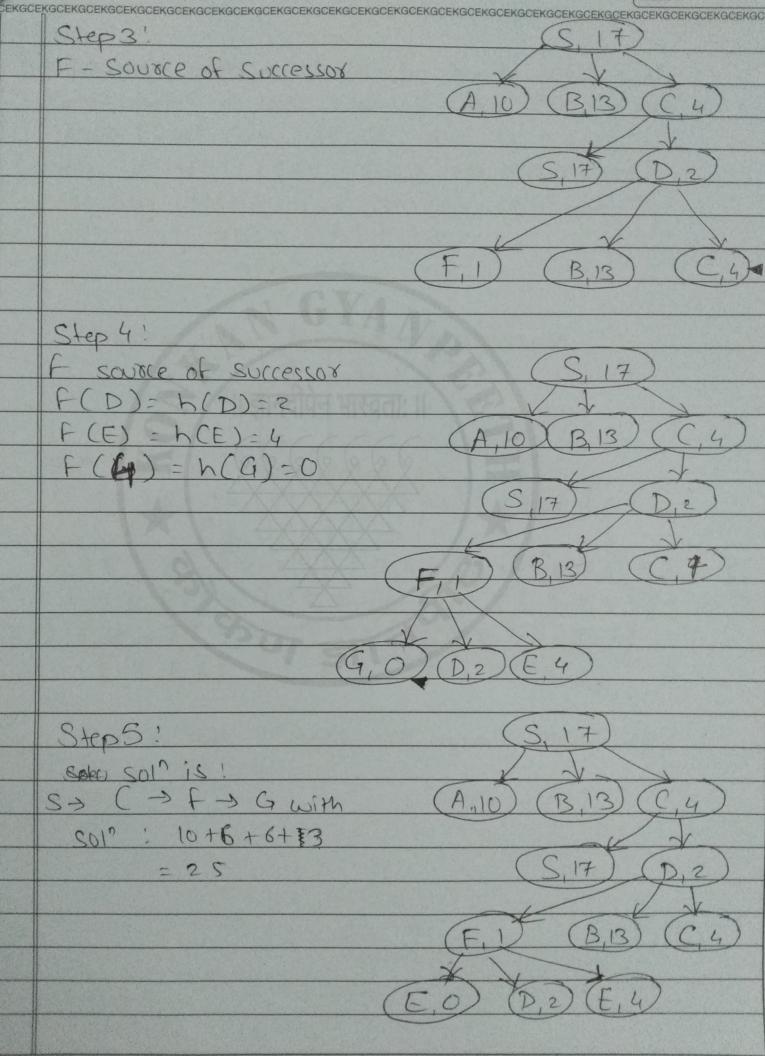
Name: Tonmay. H. shinde Class :- B.E . IT Roll no: 65 Subject : AI

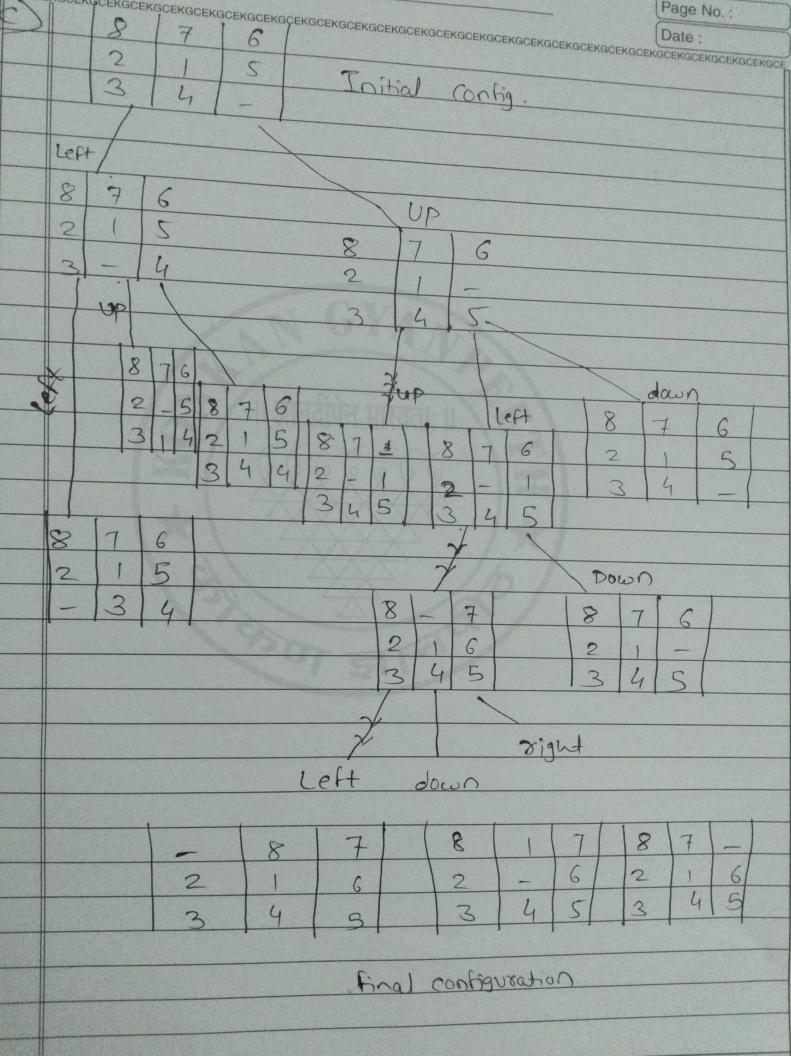








Page No.: a) Lowest path g(n) can be cost to reach good configuration in least steps In our rose, we can reach final cont' in at lost 4 moves: UP, UP, LEFT, LEFT. Since all moves are equally costly, we compute g(n) as q(n) = 1+1+1+ (onsider full. 8 - PUZZIE instance ₹2,163 €3,4,532 > Since all moves are equally costy, cost would 96) = 6



igad	Page No.:
GCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEK	Date:
in - what state	6.4
h, (initial) = Misplace	thes (ount
h2 (initial)=4	Spare
12 (Inital)-1	
n = goal State	
h. (goal)=0	
11 (300) =0	
For j=2, n= initial state	
he Cinitial) = 4	
For n=goal State	
h2 (god) - 8	
for 1=3, n=initial state	
for 1=3, n=initial State	
ha(initial) = sum of dist.	beta)n
Current & Correct	posito
h3 (initial) = 0 + 0 + 0 + 0 + 1.	+1+1+1
24	
For n = goal state	
hz (90al)=0	
3 () 0 () - 0	