K.G.C.E. Karjat - Raigad

Assignment 1(A)

Page No.:

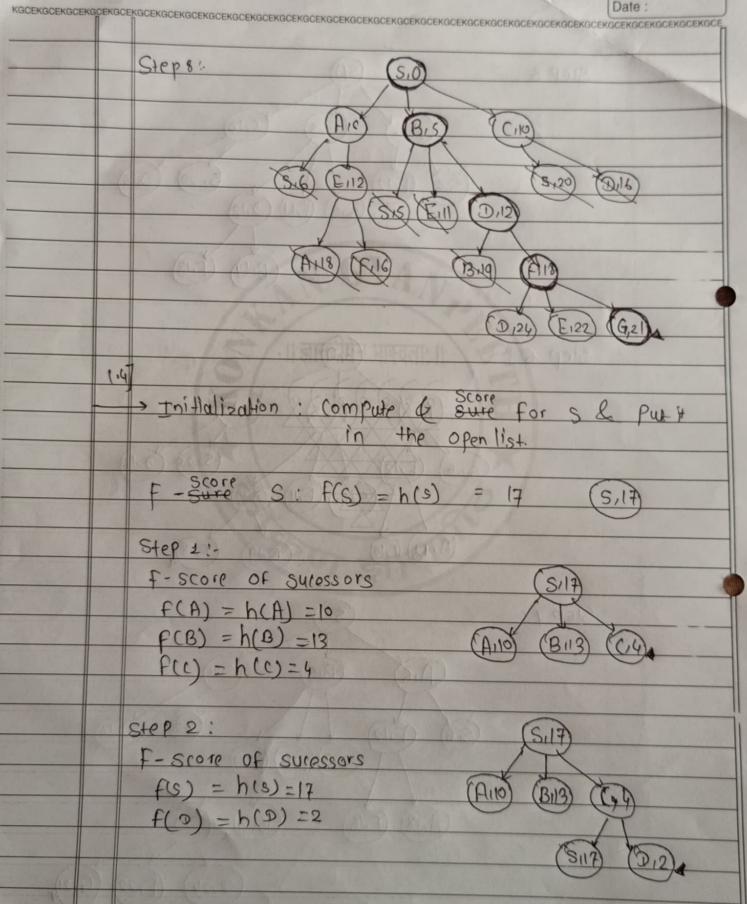
Hame! Ruchita D. Gurav Class 1- BE/IT Poll No!- 21 Subject: Is lab Branch: Batch: I-1 remark Sign

K.G.C.E. Karjat - Raigad Page No.: Assignment 1(A) Date: Step Step Step 3: (50 Ste4 !-

Page No. : K.G.C.E. Karjat - Raigad Date: Step 5: Step 6

Page No.

Date:



Page No. :

GCEKGCEKGCEKG	CEKGCEK	GCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEK
Q.	2)	(8.8)
	9)	The state of the s
	3	The lowest Path (ost g(n) can be the Cost
	1	to reach the goal configuration in least Steps.
100		In our case, we can reach the final configuration
		in at last 4 moves: UP, UP, LEFT, LEFT
Allata	N.	since all moves are equally Costly, we
		compute 9(n) as
		g(n) = 1+1+1+1
		9(n) =4
		Consider the following 8-puzzle instance:
10 41		8 7 6
-	1-1	2 15 (0)
		- 3 4
7	4 73/	
		Solution can be represented as:
	100	9 (8,7,6) (2,1,5) (-3,4)} → ((8,7,6) (2,1,5), (3,-,4)}
	177	h 18.7.6 } 6 2.1.5 h 8.1 7 -> 1.8.7. c b 60.2.1 2.4 2.4.572
		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
		£ { = ,8,7 }, { 2, 1,6 }, { 3.4,5 }}
	6	Since all the moves are equally costly the
		cost would be a comment of the
	5	9(n) = 6
		Scholatola de mailines
	No.	
1		

Page No.:

Date:

	Raigad Date:
GCEKGCEKGCEKGC	CEKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEKG
e	
-	for i= 1, n= initial State
	he (initia) = misplaced piles count except space
	h (initia) = 9
	n = goal state
	h, (90a) =0
	For 1=2, n=initial state
State of the state	he (initial) = correctly placed files count except
	Space Space
	h 2 (iniH a) = 4
1 1 6 2	For n= goal valve
	h2(90al)=8
	for i=3, n=initial valye
	ha Cinitia) = Sum or monhattan distance
	13 CHIEFE - SUBSITION OF THE STATE OF THE ST
	bet current & correct position of all tiles
	except space.
	h3 (initial) = 5+ 0 +0+ 0 +1+1+1+1
	3 3 3 3 4 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8
	for n=goal state
	h3 (goal)-0
	The configuration of the state