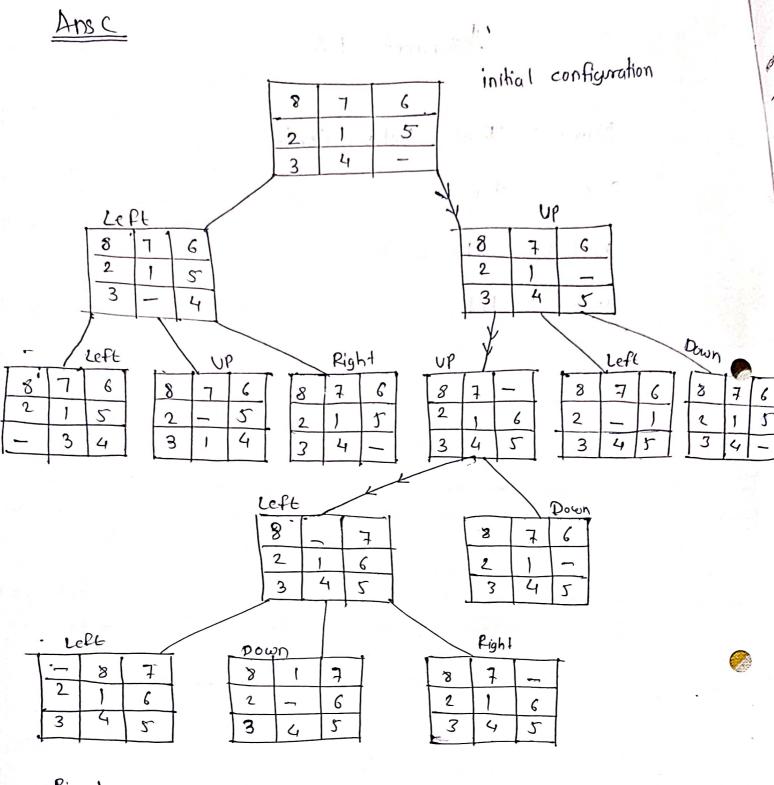
K.G.C.E. Assignment LA Page No.: Karjat - Raigad Date: Name: Tejal Pratup Dohale RO11 NO: 17 de IA

K.G.C.E. Karjat - Raigad Page No. :

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		Answer	2 H	he f	fallowing_	Lques	tion.	A	3	
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*		1) In -8	-puz	210	problem	)S. John T.	we a	ase c	CONCERDED	d with
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		The	focus	- na-	the 1 cms	2 - 10	1			cost to
		in a	+ 1	we.	we can	-seach	0 th	r tir	sal cor	stiguration
		Since	all	the	4 20	DOVED		1P,1	UP, LE	Afiguration
	_	Comp	net e	acn	) as	-03	<u>e</u>	qually	UP, LE	1, we

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d Thereal	11	g(n) = 11+11+1+ 1 postloje
		g(n) = 4
		Consider the following orbiting & puzzle - Instru
	7	with gives solution in a steps:
		Advantile Court less to the
		8 7 6
	1	10 1 1 2 1 57 V A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	11.11	3 4
11461.	A	The state of the s
0.101	1	The solution can be represented as:
- calian	1	5 5 8,7,67 . 5 2, 1,53 - 5-3, 41] -> { 9,7,63 { 2,1,5} { 3, -4} }-
		5 5 5 7 6 7 5 2 , 1,53, 8 3, 42 - 33 - 3 8 3 8, 7,63 52, 1, -12 5 3, 4, 5
		マイ8, 7, - 1 を2,1,6253,4,513-3 を28-,71を21,63を3,4,533.
		9 5 - 8,73 52, 1, (3 52,4 533)
1- 11	1	since all the moves are equally costly, the cos.
	1	would be some of the
1,	119	g(n) = 6
1:1	6	band the rund is time material affects
		And only to be 1005 of mi died !
T-	<b>€</b> ∑	Drow exparsive state space tree of depth
		limited to 4 for instance of 8-puzzle
1 +	94	problem in the question of
	04	e send at milantaired hate the lines is
	1.	on bound at time you are not and and
7 1 7 1 .		r 912 417: regimes is dead to it!
		by Alleger of revent will the boards
1	1, 1,	



final cofiguration.

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	KGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCE
Q	compute hi(n) where i=1,2,3 and n=initial
	compute hi(n) where 1=1,2,5 auchion
<u>21</u>	State, final /goal state from question.
11	
	for i=1 , n = initial state  h (initial) = misplaced Hit tiles count except st
	h, finitial) = misplaced to tiles course
	h, (initial) =4
	h = goal stale h, (goal) = 0
	h, (goal) = 0
	for j=2 inclinitial state  he (initial) = correctly placed tiles count except s  he (initial) = 4
	he cinitial 1= correctly placed tiles com
	by Cinibal) = 4
	for n= god state
	h2 (goal) = 8
	For 1=3, n= initial state.  h_3(initial) = sum of Mahattan distunce between
	(urrent and corrent position of all times
	by cinital = 0 +0+0+0+1+1+1+1
	hy Cinital = 0 101010
	for n=goal state
	hz Egoal) =0
	in .