	Total reputs	Page No.
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	Smanth-kv.	and the second
7.	AIlab test-1	
(H-1-	1BM18CS112	1 / m
	09/11/2020	
<u> </u>	Implement IDS algorithm u	sina suitable
	Implement IDS algorithm u heuristic function where d	should not be
	greaker than 4	
	(1-)	
_801=		
	# code.	
	,. v= sac .	
	d 0 - d 0 - (1 - 1 - 1 - 1	1 / 1
	def des (src, target, visited	J-states, limit)=
	if sxc == target	T
	return True	
	(= F) 7 f-a:	10-1-1-1
	if limit == 0	000
	vehyn False	
	5(2 5 0) 21 -1 21	1-01-1
	visited states append (svo
	poss_moves=[]	
	Pall-mayes = n soil	1. 101.1
	Passib	le states (SYC)
	poss_moves = possib	visited_states);
	for more in poss-more	es
	all-cost [index]	h (movertarget)
*	naux = inaix+	1173
	poss=[], radex oi	Auren
	min-cost-min(all-c	1)
	for move in pass-m	77
	possind is al	I cost [index] == min cos
	boss-abbeng (wo	Track = witten
	-	
	index += 1	
(D)4	nanth.kv.	and manually

	Page No.
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	for move in poss:
	A Comment
	JP () 15 (
	those target virted il
	netwo True
	if (dfs (move, target, visited states, Hmit-1))
	Freturn Folse
_	did not be a few and the few a
	As Part of the contract of the contract
	my perible states (excluded elela)
	def possible states (sve, visited states).
	(-1)
	d=[]
	if blank is not in to 1 22-
	d (1222-1(1-1)
	of blank is not in [0,1,9]. d-append ('v')
	2-1 0-4-1
	if blank not in [6,7,8); d-append ('d')
	dappend ('d')
	23/27
	It Hark nik 1 5 - 2
	1 blank not in (0,3,6);
	if blank not in [0,3,6); d-append ('l').
	[] = Commercial
	d-append ('r')
Salut	d chard(1)
	a suppend (v)
	all states = [] a
-1-0	for ind:
	all states append (get-possible (svc, i, blank))
	(Je = p = cone, yours)
	1 (15)
	teturn (more for more in allustates if
	return [move for move in all states if move not in visited states]
a_010	Carlailtealli II Ealling
	Town the second of
	I to what is a
	(5) Juman thiku

Page No. def get possible (sxc, action, blank). temp=srccopy() temp[blank], temp[blank-3)temp (blank-3), temp (blank) if action == 'v'= temp[blank], temp(blank+1)= temp (blank+1), temp (blank) If action -- Al': temp[blank], temp[blank-]temp[blank-1], temp[blank] if action == 'd': temp (blank), temp (blank+3) = temp(blank 13), temp(blank) return temp 的 Sumanth Ka

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	Page No.	
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	if hame main 1=	==:
	for in range (+):	·
	if (dfs (src, target),i))	·
	Smila mil retira Trie	 -
		 -
	retion Falsen [and] and	-
	(Anold) and (It should) and	
	Demanthan	
	$\frac{1}{2} \left(\frac{1}{2} + 1$	
	des h (src Har):	
	empty_slot = tax.index (-1)	
	contro	
	ib's = noit so li	_
	for indu in range (len (src)):	
	if empty-slot 1-index and	
	Svc(index) ! - tar (index):	
	cont += 1 gmil and or	
	-3/ Almonia (S)	
	return count (touch) A 12) d ph	1
	0 = 27 k	
(1) et	= 3/0/2 01/2	
	Soman Hoke]
	Ellibri Collins L. L.	_]
	= 10	
	1 1 - c - r - r - r - r - r - r - r - r - r	1