LAB-6 29/10

8 queens -

nttragle *A

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25 surtan	16.	8 ×	8 44	hos	ord.	4	660.0		60)	
77.6	. 31				Q		0.050	7	200	
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318	31			Q			510.		ooh	
916	31.						10.0	B. (25)	500	
51	16.		a		2	1 1	610.0	1-17	003	
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319	al	-				19	10.0		308	
1.0		-	3	4	5	C	No 70	\$ -	900	

function 8-Queen-Story ():

Bett Selution: [3. 38054, 0.9962213() moitizen - mobrar = latin.

eter-list = privaty - queue().

But sule: 16.914632

1.0 = 0.1

() dialy

Open-list. Just (initial, hererestics)

tubile (epen-list !=0):

current = then - list . het - min ()

if (hewristic (wrest) = = 0)

return wirest

11 Soh found.

for neighbour in generate (world):

Open - list . Jush (where , huerestic (1)

neturn "No solution".

function heurodic ():				- 1	CHO	ruo
count = 0.					011	UU
if I same now Il some column II some dissignal).	naite	los	heride	and	-	*A
Remote l						
	. ,	a .	•		•	9
return count.			0			
	p .		9			
11-11 Climbian - 2.0				•	•	
Hill alimbing - 8 Queens					P	•
function 8-Queenl):		C	. 8	•	•	•
initial = generate - hardon()	ONE	b	Day .			٠
while true:	N W			P		
confluit = hevrestic (state)						
if (conflict == 0)						
			-	and	houle) With
return current					D	
11 Solv found =						
for reighteous in generate (whent)						
if new-confluit < worket_conflict		•	•	9	•	•
current = new-states	- 8			•	•.	
arduly "No solution"	• • •		. 0	•	•	•
Me solution Me.	1.				•	9
function heuristic (state)		1:	9.		•	
Count = 0		1000	A.			N/A
if (same now I same whenn I some diagonal)			burg! n	gilui	30 7	W I
count ++.						
heturn lount.						
# might not find sol .						
proceed						

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A* - One fossible solution :	ion = 0. None you Il some column Il some dissipal of lisone dissipal of lisone to the telephone of the some dissipal of the some dispersion of the some dissipal of the some dispersion of the some d
	(cont: /
	· too my
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	inling - 8 Queens
· · · · · · · · · · · · · · · · · · ·	alian 8 Quart):
· · Q	intial = generate - hardon ()
Kill Cr. 1.	(state) insortie (state)
Hill alimbing -	il (benthick == 0)
• 9	thertus nuter I show found of the state of
	(Josephan in guerrate (work)
9	if now-verthal 4 horselfuct
	which = new states
Q	July "No soldier #1/2 (cloth) white (state)
No solution found.	[lame treat them I some diagonal]
	bush + +.
neith to all a	. Loud needs
	. Ned big the their