one of the on swars will be 1-010,4,7,5,2 6,1,3). 6 Implementing Hill climbing Algo for 8-quarks and explains the solution unit you reach the obest one de hill - direbing (n=8): board = [rondom. rondint lo, n-1]

for in ronge (n) while True: Current-attacks = calculate attacking pairs (board)

if Gwant-attacks == 0: O soluro board. Jos row in range (n):

Jos col in range (n):

j (ol 1= bood [row)

local Search algo	1-30 OUT
	Date/
"Count the no of pair of the	ions attacking
each other each other	1
for each quoon, we try	y to move
it to every other column is	wor eti Y
choose one with the for	set allocking
poles	Maria O
'I we lind coolinguate	00 = 0 attacks
ve have a solution.	ME WALLES
	2000
	on sold later
=) Output for A* algo:	44.
Solution found: [4,1,5,0,6,3,7	,2)
- 0 1 + 1 - WIN ali 10 -	alas'=
- Output for Kill climbing	g.
The same and the s	TELLINE VENI
Solution found:	An well the
Solution jound: [2,5,3,1,7,4;	6,07
	1.
advol	
	1 Supplied 1