A* for 8 queens Algorithm func heunistic (stark): for i'm sange (hun (date)): for j in range (it lan (starte): if abs(state[i] - state[j]) == ab([-j) a State [i] == state [j]: return h func a star (): Jemp initial - State = [] h=[], g28 heap. push (h, isiti (houristric(initia)) + g i vibitali) while h C = heap popl) if h(afi)+(2) ==0: of if BlencaD = = 8 : continu for i in range ([& 9): enself [i] heap bush (h, (hEm (n)+el2)+1)

		PAGE NO : DATE :
->	Hill climbing	
	Algorithm func h (State): h-for i in range (len (state)): for j in range (i+1) if abs (State (i)) or state	Ien (State): - state [j] := o [i] := State [j
	return h	-b 0 . d
E station is	for jet neigh (starte): for jet neigh (starte): for jet neigh (starte): for jet neigh (starte): how: state Fig. & a starte	1) = d
	if h(co) < h(J. J. T. J. S. Star
	return byt	À
Morets Tepon	func hill chimb(): ini = [random randint(1,8) while kitaraxxxxxx Commended	Jon i in sea
	china cur.	
	for satio curs: get-heigh (curs)	