	rage
29/10	Hill Climbing Algorithm for N-queens.
	Alaceith
	Algorithm
1)	Initialize a variable N (no of igneens)
6.7	The Court of the c
(1)	Consider NXN square board with
	initial generate (), where each queen
	is placed randomly.
	Contract to the contract to th
	state [i]= j = ith queen (column)
	is placed in j'th evour.
	Company of the second s
iii)	cal.attack()
	- The housietic function h(n) calculates
	The attacking (collision) from all the
	8 directions (initially, attacking = 0)
(;)	objectuse ()
	generate new state () Based on new neighbours
	optimize the best state, until
	attacking =0
	func h (state):
	h=0
	pri in range (den (state)
	jos j in range ((+1) den state !! ==
1	ave(i-i)
	or state [i] = state[i]
	h + = 1
F COLUMN	
	return h

	Date// Page
func a etar():	
initial ()	
h= [] g = 8	
heap puch Chi Chawritic	(initial) + 9
while h:	
(= houp.pop()	
if h(cEi)) + cc2	75201
oceture c	
if len(c(1)) == 8:	
continue.	
for i in range (1,91.	
n 2 C T 1 7 + C []	
heap puch (q, h)	[n]+(@?-1, n,g-1]
Doro Gord	
Dare	
Output	
(4 7 5 2 6 l	38
ц	
7	
5	
2	
6	
8	
Sila	
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