





```
Initial State (cost=2):
. . . Q
. Q . .
. . Q .
Step 1 (cost=2):
. Q . Q
. . Q .
Q . . .
Step 2 (cost=1):
. Q . .
. . . Q
. . Q .
Q . . .
Step 3 (cost=1):
. Q . .
. . . Q
Q.Q.
Step 4 (cost=0):
. Q . .
. . . Q
Q . . .
. . Q .
Solution found in 4 steps 🔽
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-	Semulated Annealing	
	Algonethm:	
	Connent = intral state. T < a large +ve value while T > 0 do next < a mandom neighbour of current AE < cur, cost - next. rost if AE > 0 then (unrent < next with probability p = e - end if decrease T cond while Heturn (unrent)	305
(Out put:	
39-59	The best position found is: [0 8 5 2 6 3 7 4) The no of queens that wie not attacking each other is: 8	

The best position found is: [6, 3, 1, 7, 4, 2, 0, 5]
The number of queens that are not attacking each other is: 8