18) 15/11/24

DATE :

→ Implement N-queens using simulated Annealing

current ← initial state
T ← a large positive value
while T > 0 do
    next ← a random neighbour of current
    ΔE ← current.val − next.val
    if ΔE > 0 then
        current ← next
    else
        current ← next with probability
    end if
    decrease T
end while
return current

O/P

Enter the value of n: 4
Final Solution : [1, 3, 0, 2]
No. of conflicts : 0
Total iterations :-
Solution Found:

15/11/24