

N-Queens II

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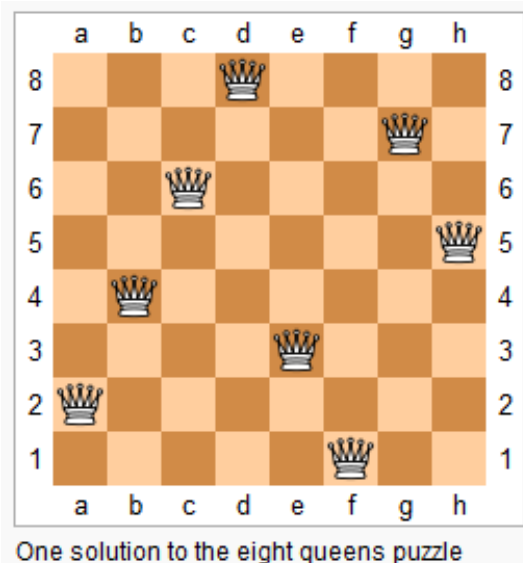
Question

Solution

33277 TotalSubmissions: **91517** Difficulty: **Hard**

Follow up for N-Queens problem.

Now, instead outputting board configurations, return the total number of distinct solutions.


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Python



```

1 class Solution(object):
2     def totalNQueens(self, n):
3         """
4         :type n: int
5         :rtype: int
6         """
7         queens = [0 for i in range(n)]
8         returnSize = [0]
9         self.DFS(0,n,queens,returnSize)
10        return returnSize[0]
11    def DFS(self, step, n, queens, returnSize):
12        if step == n:
13            returnSize[0] += 1
14            return

```

```
15         for i in range(n):
16             j=0
17             while j<step:
18                 x = abs(step - j)
19                 y = abs(i - queens[j])
20                 if x==y or x==0 or y==0:break
21                 j+=1
22             if j>=step:
23                 queens[step] = i
24                 self.DFS(step+1,n,queens,returnSize)
```

Custom Testcase ☒

1

One line for one parameter.

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