

70. Climbing Stairs

Easy

 Topics

 Companies

 Hint

You are climbing a staircase. It takes n steps to reach the top.

Each time you can either climb 1 or 2 steps. In how many distinct ways can you climb to the top?

Example 1:

Input: $n = 2$
Output: 2
Explanation: There are two ways to climb to the top.
1. 1 step + 1 step
2. 2 steps

Example 2:

Input: $n = 3$
Output: 3
Explanation: There are three ways to climb to the top.
1. 1 step + 1 step + 1 step
2. 1 step + 2 steps
3. 2 steps + 1 step

Constraints:

- $1 \leq n \leq 45$

Seen this question in a real interview before? 1/4

Yes

No

Accepted 3M

Submissions 5.7M

Acceptance Rate 52.8%

 Topics

 Companies

 Hint 1

 Similar Questions

 Discussion (261)