70 Climbing Stairs

🕐 Created	@March 7, 2022 4:34 AM
≣ Tags	Easy
⌾ link	https://leetcode.com/problems/climbing-stairs/
# Problem Number	70
≣ companies	amazon expedia google

Description

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?

```
# similar to fibbonacci
class Solution:
    def climbStairs(self, n: int) -> int:
        fib = [0]*50
        fib[0] = 0
        fib[1] = 1
        fib[2] = 2

        for i in range(3, n+1):
            fib[i] = fib[i-1] + fib[i-2]
        return fib[n]
```