70. Climbing Stairs ★

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Total Accepted: **127820** Total Submissions: **338370** Difficulty: **Easy**

You are climbing a stair case. It takes *n* steps to reach to the top.

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

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C++

```
class Solution {
public:
    int climbStairs(int n) {
        static vector<int> way{ 1, 2 };
        if (n <= 0)
            return way[0];

        while (!(way.size() >= n)) {
            way.push_back(*(way.end()-1) + *(way.end()-2));
        }

        return way[n - 1];
    }
};
```

Custom Testcase

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