PPDS - 20241108

Problem 1. Climbing Stairs

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

Constraints:

    1 ≤ n ≤ 1,000