

Count number of hops

A frog jumps either 1, 2, or 3 steps to go to the top. In how many ways can it reach the top of **Nth** step. As the answer will be large find the answer modulo 1000000007.

Example 1:

Input:

N = 1

Output: 1

Example 2:

Input:

N = 4

Output: 7

Explanation: Below are the 7 ways to reach

4

1 step + 1 step + 1 step + 1 step

1 step + 2 step + 1 step

2 step + 1 step + 1 step

1 step + 1 step + 2 step

2 step + 2 step

3 step + 1 step

1 step + 3 step

Your Task:

Your task is to complete the function **countWays()** which takes 1 argument(N) and returns the answer%(10⁹ + 7).

Expected Time Complexity: O(N).

Expected Auxiliary Space: O(1).

Constraints:

$1 \leq N \leq 10^5$

