Count the Number of Hops

A frog is attempting to reach the top of a staircase with n steps. The frog can jump either 1, 2, or 3 steps at a time. The objective is to calculate the number of distinct ways the frog can reach the top of the staircase, given n steps.

The rules of the hops are as follows:

1. The frog starts at the bottom of the staircase (step 0).
2. From any given step, the frog can:
    - Jump 1 step forward
    - Jump 2 steps forward
    - Jump 3 steps forward
3. The frog continues jumping until it reaches exactly the nth step.
4. If there are multiple distinct sequences of jumps that allow the frog to reach the nth step, each unique sequence counts as a separate way.

Input: n = 3
Output: 4

Explanation: Below are the four ways
=> 1 step + 1 step + 1 step
=> 1 step + 2 step
=> 2 step + 1 step
=> 3 step

No.	Sample Input	Sample Output
1	3	4
2	4	7