**Problem**

Simran is running up a staircase with N steps, and can hop(jump) either 1 step, 2 steps or 3 steps at a time.You have to count, how many possible ways Simran can run up to the stairs.

**Input Format:**  
Input contains integer N that is number of steps

**Output Format:**  
Output for each integer N the no of possible ways w.

**Constraints**  
1≤N≤30

**Sample Input**

4

**Sample Output**

7

Time Limit: 0.15

Memory Limit: 256

Source Limit: