Number of Integer solutions

You are given a positive integer **N** and you have to find the number of non negative integral solutions to **a + b + c = N.**

Input:
The first line of input contains an integer **T** denoting the number of test cases. Then **T** test cases follow.
The first and only line of each test case contains a positive integer **N**.

Output:
For each test case in a new line, print the number of possible non negative integral solutions.

Constraints:
1 <= **T** <= 100
1 <= **N** <= 1000

Example:

Input:
2
10
20

Output:
66
231