**Sum Terms Nth Row**

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Given a series as shown below:

               1  2  
            3  4  5  6  
        7  8  9 10 11 12  
 13 14 15 16 17 18 19 20  
    ..........................  
    ............................  
             (so on)  
  
You are given a number N, you need to write a program to find the sum of all elements in the N-th row of above series.  
  
**Input:**  
First line of input contains a single integer T which denotes the number of test cases. First line of each test case contains a single intger N.

**Output:**  
For each test case, print the sum of all the elements present in Nth row of above series.

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

**Example:**  
**Input:**  
2  
2  
4  
**Output:**  
18  
132

\*\*For More Examples Use Expected Output\*\*

Contributor: Harsh Agarwal

<http://practice.geeksforgeeks.org/problems/sum-terms-nth-row/0>

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package javaapplication250;

import java.io.\*;

import java.math.\*;

import java.util.\*;

/\*\*

\*

\* @author Administrador

\*/

public class JavaApplication250 {

public static void main(String[] args) throws IOException {

// TODO code application logic here

BufferedReader br = new BufferedReader(new InputStreamReader(System.in));

int t = Integer.parseInt(br.readLine());

while(t-- > 0) {

int n = Integer.parseInt(br.readLine());

int num = 1;

int sum = 0;

int lim = 2;

for (int i = 1; i <= n; i++)

{

if (i < n)

{

for (int j = 0; j < lim; j++)

{

//Console.Write(num++ + " ");

num++;

}

}

else if (i == n)

{

for (int j = 0; j < lim; j++)

{

//Console.Write(num++ + " ");

sum += num++;

}

}

lim += 2;

// Console.WriteLine();

}

System.out.println(sum);

}

}

}