Sum Terms Nth Row

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