

Love for Sister

Our great programmer Sheikh Monir loves his little cute sister so much. One day he decide to give some flower to his sister each day. But there is a condition **If he once started giving flower he has to do this for infinite day. And each day he must give 1 more flower than the previous day. Thus if he gift N flower in the previous day, he must give N+1 flower this day.** You can safely assume that he gives 1 flower in the first day.

The reason to telling you that you have to calculate the number of flower(s) Sheikh monirs sister already taken as gift on the n^{th} day.

INPUT: Input starts with an integer $t \leq 100$ denoting the test case.

Each case contains $N \leq 10^9$.

OUTPUT: For each case print an integer the number of flower(s) she has on the day. (Don't forget to print a new line).

Sample:

INPUT	OUTPUT
2	55
10	120
15	

Author:Jisan