Problem B. Birthday Challenge

Time Limit 1 second

Problem

The Birthday of Nati lasts for eight days and eight nights. On the evening before each day, candles are lit in a menorah. On the first evening, one candle is lit, on the second, two are lit, and so on. However, each evening, an extra candle, called the shammas, is also lit (in fact, this candle is used to light the other candles). Thus, for the birthday 44, candles are necessary.

But what if Nati lasted a different number of days? How many candles would be needed?

For this problem, you will write a program that determines how many candles would be necessary for a Nati Birthday lasting for a given number of days.

Input

The first line of input contains a single decimal integer T, ($1 \leq T \leq 10000$), which is the number of data sets that follow. Each data set should be processed identically and independently.
Each data set consists of a single line of input. It contains a single decimal integer N, ($1 \leq N \leq 10000$), which gives the number of days to assume for the birthday.

Output

For each data set there is one line of output. The single output line consists of the number of candles needed for an N-day Nati birthday.

Sample Input 1	Sample Output 1
3 8 1 10	44 2 65