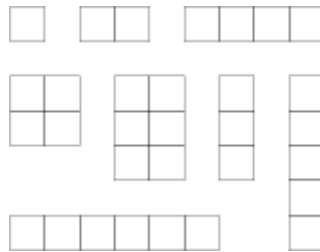


# Rectangles Are Squares

## PUZZLE

Every Software Engineer wants to be a part of big companies like Microsoft, Google, etc. Today is a great day for us because Google is coming to our campus for recruitment. There is a student named Pankaj who is appearing in the interview but he is tizzy because he has all the technical skills except good puzzle solving skills and Google is famous for mind hunting puzzles in the interview. He asks all the students about their interviews and they said that interviewer is asking a common puzzle to all. The puzzle is "you have 'N' numbers of 1\*1 grid how many different rectangles you can make using 'N' grids. It is not necessary to use all the grids and consider a square is also a rectangle". Pankaj has enough confidence in technical part and if he gives the correct answer of the puzzle then definitely he will be recruited so please help Pankaj to find the answer of that puzzle.



For N=3

### Input

First line of input contains the number of test cases  $T \leq 100$  then each line corresponding to a test case consists an integer  $N \leq 10^{12}$ .

### Output

Single integer equal to how many different rectangles that you made.

### EXAMPLE:

#### Input:

3  
3  
6  
10

#### Output:

3  
8  
15