

APCS

3 - Square Sums
Input File: SquareIn.txt

Due 11/26/14

Mathematician Ryan always liked producing numbers, and being a Texan he especially likes producing big numbers. Knowing this, you have decided to give him a program for his birthday that generates the value of the sum of the squares of the integers from 1 to n ; $n \leq 10^9$. For example, for $n = 4$ the sum would be $1 + 4 + 9 + 16 = 30$.

Inputs:

The first line of input contains the number of values to compute. This will be followed a line that contains a the value of n to be used in each computation.

Output:

There will be one line of output per computation containing the computed value.

Sample inputs

3
4
3
123456

Sample outputs

30
14
627221052446816

You must use text files

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