
Counting Numbers

Lili has just learned how to count from 1 to n , while Jojo just recently learned how to use a calculator. When Lili counts from 1 to n , Jojo always adds the numbers that Lili mentions. Jojo asked for your help to check if he used the calculator correctly, he needs you to calculate the number he is supposed to get.

Format Input

The input consists of one line containing an integer n , the number Lili can count to.

Format Output

Output the number Jojo is supposed to get.

Constraints

$1 \leq n \leq 1000$

Sample Input	Sample Output
8	36

Notes

You might need to derive a formula to solve this problem.