1049 - Sum

Description

Your task is to find the sum of all integer numbers lying between 1 and **N** inclusive.

Input specification

The input consists of a single integer **N** that is not greater than 10^4 by it's absolute value.

Output specification

Write to the output a single integer number that is the sum of all integer numbers lying between 1 and **N** inclusive.

Sample input

3

Sample output

6

Hint(s)

Source	2000-2001 ACM Northeastern European Regional Programming Contest (test tour)
Added by	**ejaltuna**
Addition date	2011-10-13 17:27:42.0
Time limit (ms)	2000
Test limit (ms)	1000
Memory limit (kb)	131072
Output limit (mb)	64
Size limit (bytes)	100000