

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)

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| 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) | 4000 |
| Test limit (ms) | 2000 |
| Memory limit (kb) | 65536000 |
| Output limit (mb) | 64 |

Caribbean Online Judge

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| Size limit (bytes) | 30720 |
| Enabled languages | C C# C++ C++11 Java JavaScript- NodeJS Pascal Perl PHP Prolog Python Ruby Text |