## N-Sum

memory limit: 32 MB

time limit: 1 s

Let x be the summation of integers  $1, 2, 3, \ldots, n$ . You have to write a program that read an integer value of n from standard input, determine the summation and write the result onto standard output.

## Input

Line 1: an integer  $n (1 \le n \le 1000)$ 

## Output

Line 1: the summation result (x)

## Example

Input	Output
10	5.5