Problem A. Summation

Input file:	`standard input`
Output file:	`standard output`
Time limit:	2 seconds
Memory limit:	64 megabytes

Given a number N. Find the sum of all the integers between 1 and N. That means you have to find the value of $1 + 2 + 3 + ... + N$.

Input

The consist of one line. A single Intger number N, $1 \leq N \leq 10^6$

Output

sum of all integers between 1 and N.

Example

standard input	standard output
5	15