
72778. Sum

Input file: `standard input`
Output file: `standard output`
Time limit: 1 second
Memory limit: 256 megabytes

In this task, you should find the sum of all numbers from 1 to n .

Input

Given the positive integer n . $1 \leq n \leq 1000$

Output

Output the sum.

Examples

standard input	standard output
3	6
10	55
1	1
7	28
100	5050