Add, 2

Write a program that reads two integers from standard input, calculates their sum and prints the result to standard output.

Input

Two integer values -2,000,000,000 <= v1, v2 <= -2,000,000,000 each on its own line.

Output

A single value that is the sum of v1 and v2 followed by a newline.

Example 1

```
Input:
4
9
Output:
13
```

Example 2

```
Input:
-5
5
Output:
0
```