

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 $-2,000,000,000 \leq v1, v2 \leq 2,000,000,000$ 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