

A - Sum of Two Integers

Problem Statement

Write a program that reads two integers from the input and prints their sum.

Input

- The input consists of two integers a and b , separated by a space.
- Constraints:

$$-10^9 \leq a, b \leq 10^9$$

Output

- Output a single integer, the sum of a and b .

Example

Input

3 4

Output

7

Input

-10 25

Output

15

Notes

- You can assume that the input will always contain exactly two valid integers.
- This problem is a simple warm-up to test basic input/output and arithmetic operations.