

A+B

The wise Fuke has been given 2 integers: A and B. His task is to compute their sum. But, however wise he might be, he isn't quite the best at mental arithmetic. Please help our poor Fuke!

Input

The input consists of 1 line.

The first and only line contains 2 integers: A and B.

Output

Output one number: the sum of A and B.

Constraints

- $1 \leq A, B \leq 10^{18}$

Subtasks

Subtask 1: $B = 1$ (10 points)

Subtask 2: $A, B \leq 10^9$ (80 points)

Subtask 3: No additional constraints. (10 points)

Examples

Input 1

```
10 20
```

Output 1

```
30
```

Explanation

Notice that the expression $10 + 20$ indeed evaluates to 30.