A. A + B

You are given two integers A and B. Calculate their sum and output it without leading zeros.

Input

Two lines of input data contain integers A and B ($1 \leq A, B \leq 10^5$).

Output

Output $A + B$ without leading zeros.

Examples

input
12
3

output
15

input
100
5

output
105

Note

The code provided in the post about the round doesn't solve the task.