H. A + B Strikes Back

A + B is often used as an example of the easiest problem possible to show some contest platform. However, some scientists have observed that sometimes this problem is not so easy to get accepted. Want to try?

Input

The input contains two integers a and b ($0 \leq a, b \leq 10^3$), separated by a single space.

Output

Output the sum of the given integers.

Examples

input
5 14

output
19

input
381 492

output
873