C. Eval

You are given a simple arithmetic expression of the form $a?b$, where a and b are integer constants, and $?$ can be one of the following operations: '+' (addition), '−' (subtraction), '*' (multiplication), '/' (integer division) or '%' (modulo operation).

Output the result of evaluation of this expression.

Input

The input is a single line containing an expression $a?b$. Here a and b are integers between 1 and 999, inclusive; $?$ is an operation character: '+', '−' (ASCII code 45), '*', '/' or '%'.

Output

Output a single integer — the result of evaluation of this expression.

Examples

input
123+456
output
579

input
192/5
output
38

input
945%19
output
14