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## Reverse Polish notation <br> P52023_en

Evaluate arithmetic expressions given in the so-called reverse Polish notation. For instance, the expression

$$
3+154
$$

in reverse Polish notation is given as

$$
3154+
$$

That is, the two operands are given first, and afterwards comes the corresponding operator. A more complicated expression like

$$
((3+4) *(2-8))+(2+5)
$$

is given as

$$
34+28-* 25++
$$

## Input

Input consists of several arithmetic expressions in reverse Polish notation, one per line. The operands are natural numbers. The possible operators, all binary, are ' + ', ' - ', and ' ${ }^{\prime}$ '.

## Output

For every expression, print the result of its evaluation.

## Sample input

$3154+$
$34+28-\star 25++$
99

## Sample output <br> 157 <br> -35 <br> 99

## Problem information

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