1. **Postfix Calculator**

**Description**

Postfix is a mathematical notation in which operators follow their operands. For instance, to add 3 and 4, postfix notation writes it as 3 4 +.

**Constraint**

Number of operands is less than or equal to 1000.

Numbers are integers in the C’s int data type range, and separated by a space character.

Negative numbers are marked with minus(-) sign right before the numbers.

Positive numbers or zero do not have any sign.

All numbers in calculation are guaranteed to be in the C’s int data type range.

Operators are +, -, \* only.

**Input**

Numbers and operators separated by a space character.

**Output**

The result of postfix expression. Result would be in the C’s int data type range.

**Example**

|  |  |
| --- | --- |
| Input | Output |
| 12 3 + | 15 |
| 14 1 2 + \* 3 - | 39 |
| 5 3 – 23 -16 \* + | -366 |