

# Magic Math

Problem Name	Magic Math
Time Limit	1 seconds
Memory Limit	1 gigabyte

Veerle has been tasked by her mother to help her little brother with his math homework. Unfortunately the sheet with the exercises has had some fluids spilled over them so Veerle cannot see the mathematical operator anymore but only the two numbers  $a$   $_$   $b$ . After a short discussion with her little brother she learns that the operators discussed in class today where “+” (addition), “-” (subtraction), “\*” (multiplication) and “%” (modulo).

She wants to figure out which operator to use in which part of the sheet and needs your help with this!

## Input

The input contains a line with two integers,  $a$  and  $b$ .

## Output

Output a single integer, the answer to the computation combining  $a$  and  $b$  using the correct operator.

## Constraints and Scoring

- $1 \leq a, b \leq 200\,000$ .

Your solution will be tested on a set of test groups, each worth a number of points. Each test group contains a set of test cases. To get the points for a test group you need to solve all test cases in the test group.

**Note that this problem does not have a full solution and serves the purpose of testing the subtask merging that is new compared to EGOI 2023! In the real contest every problem will have a full solution that solves all the subtasks.**

Group	Score	Limits
1	30	The operator is +
2	35	The operator is −
3	20	The operator is *
4	15	The operator is %

## Examples

Note that the samples each correspond to a different subtask. In sample 1 we have  $8 + 5 = 13$ , in subtask 2 Veerle calculates  $17 - 9 = 8$ , in subtask 3 she gets  $9 * 3 = 27$  and in the last sample she uses the modulo and calculates  $14 \% 5 = 4$ .

Input	Output
8 5	13
17 9	8
9 3	27
14 5	4