

Nimal and Nimala are best friends in the University of Moratuwa. On rainy days they forget an umbrella to bring. They were in Sentra Court; they started a game as they couldn't go out. Nimala gives a mathematical expression, and Nimal needs to find the maximum answer that it can get from that expression. Nimala wants Nimal to get in trouble, so she gives the number in any number system. The base of the number system will be given as the beginning of the expression separated by comma. (,)

Also, she swapped the arithmetic operators to its opposite to put him in more trouble.

'-' means '+', '+' means '-', '*' means '/', '/' means '*', '(' means ')', ')' means '('

Your final answer must be in **decimal** format. It can be positive or negative

Input Format

The base and the expression separated by comma.(,)

Constraints

$$2 \leq Basevalue \leq 10$$

Output Format

An integer in decimal format

Sample Input 0

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8,17-3/12
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Sample Output 0

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180
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