



stack

We want to write a program that calculates the result of a **prefix** or **suffix** expression . In the input, any expression may be given to you, and you must recognize whether it is a prefix or a suffix, and then obtain the result of the expression. The operators used in this problem in It is considered to include the following operators:

- + * / ^

^ means power. Note that numbers and operators are separated by space. Consider negative numbers as well and round the division down, for example , suppose 3/10 is 3 .

Input 1

15

6 2 3 + - 3 8 2 / + * 2 ^ 3 +

Output 1

52

Input 2



▼ Questions



Queue



stack

All submissions

Final submissions

Scoreboard

input 2

17

$+ 1 - 2 * ^2 3 - 1 / 10 / 5 + 2 3$

Exit2

75

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