

Утегенов Батырхан Елембетұлы [ADS-Lab-01]: Submit a solution

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Submit a solution for J-77223. Deque

Time limit: 1 s
Real time limit: 5 s
Memory limit: 256M

Problem J: 77223. Deque

Zhansaya wants to find the sum of first and the last number of her deque. If she tired she shows the character '!', if she wants to add a number to tl begin she shows '+', and if she wants to add to the back, shows character '-' and if she shows '*', you have to find the sum of first and last elemen and delete elements. Help her to solve this problem.

Input format

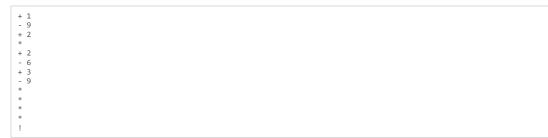
You are given characters '+', '-', '!', '*', and numbers.

Output format

For '*' query print the answer to the problem. Note that if deque is empty print "error".

Examples

Input



Output

11
12
8
2
error

Input

+	1
+	2
-	9
-	2
*	

Output

4

Submit a solution

Language: g++-GNU C++ 11.4.0 V

