ADAlab Online Judge

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- Randx101109107 ▼

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 - ullet I i: Insert. Insert one integer i to the integer set.
 - R i: Remove. Remove one integer i from the integer set. (If the integer set don't have any integer i, don't do anything.)
 - C i: Count. Count the occurrence of integer i in the integer set, **output** the number. (If the integer set doesn't have any integer i, output "0".)

Input

The first line is an integer n, being the number of operations. Following n lines, each line contains one operation described above.

Restrictions

- $1 \le n \le 2 \times 10^6$
- $1 \leq i \leq 10^6$ for every i in all operations

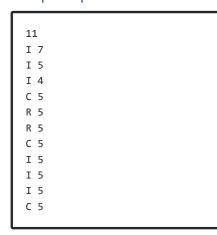
Note that:

ullet In single testcase, the integers i of "Insert" operations may duplicate.

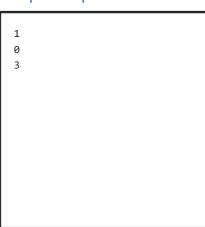
Output

For each "Count" operation, output one line.

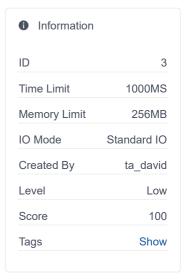
Sample Input 1 🖹

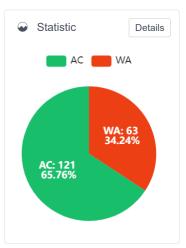


Sample Output 1

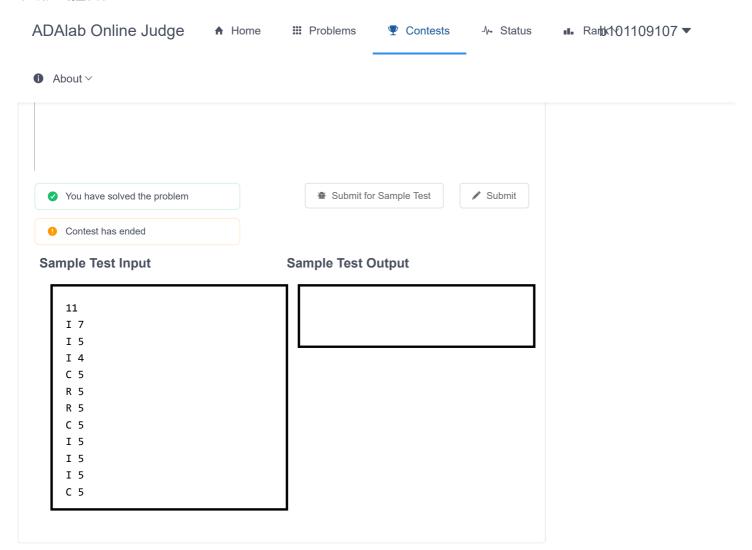








Language: C ▼ C Theme: Solarized Light ▼



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