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Queue AZ101

? Ask Doubt

Time-Limit: 1 sec Score: 100.00/100 Difficulty :

Memory: 256 MB Accepted Submissions: 100

Description

You are given Q queries and have to perform the following operations:

1. add x - add element x at the end of queue
2. remove- delete front element of the queue, if queue is not empty
3. print - print the element at the first position, if queue is not empty, otherwise print 0

Input Format

The first line of the input contains one integer T - the number of test cases. Then T test cases follow.

The first line of each test case contains one integer Q - the number of queries.

Each of the next Q ines contains queries.

Output Format

For each test case, print the required queries.

Constraints

$1 \le T \le 10^6$

$1 \le Q \le 10^6$

$1 \le X \le 10^6$

It is guaranteed that the sum of Q over all test cases does not exceed 10^6

Sample Input 1

Copy

```
1
5
add 3
add 4
print
remove
print
```

Sample Output 1

Copy

C++14[GCC]

Submit

```
1
```