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Deque 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. insertback x - add element x at the end of deque
2. eraseback - delete end element of the queue, if queue is not empty
3. insertfront x - add element x at the front of deque
4. erasefront - delete front element of the queue, if queue is not empty
5. printfront - print element at front of the queue, if queue is not empty, otherwise print 0
6. printback - print element at back of the queue , if queue is not empty, otherwise print 0
7. print x - print the x-th character of the vector, if it exists, otherwise print 0. (0-indexing)

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

$1 \leq T \leq 10^5$

$1 \leq Q \leq 10^5$

$1 \leq X \leq 10^6$

It is guaranteed that the sum of Q over all test cases does not exceed 10^5

Sample Input 1

Copy

```
1
8
insertback 3
insertback 5
insertfront 2
printback
print 1
```

C++14[GCC] ▾



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