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Vector 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 vector
2. remove - delete last element of the vector, if vector is not empty
3. print x - print the x-th character of the vector, if it exists, otherwise print 0. (0-indexing)
4. clear - empty the vector

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
9
add 3
add 4
print 1
remove
add 7
add 2
print 0
clear
print 0
```

C++14[GCC]

Submit

1

Typesetting math: 100%