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Stack 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 top of stack
2. remove - delete top element of the stack, if stack is not empty
3. print - print the element at top, if stack 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

$1 \leq T \leq 10^6$

$1 \leq Q \leq 10^6$

$1 \leq X \leq 10^6$

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

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