



Maximum Element

Problem

Submissions

Leaderboard

Discussions

You have an empty sequence, and you will be given N queries. Each query is one of these three types:

- 1 x -Push the element x into the stack.
- 2 -Delete the element present at the top of the stack.
- 3 -Print the maximum element in the stack.

Input Format

The first line of input contains an integer, N . The next N lines each contain an above mentioned query. *(It is guaranteed that each query is valid.)*

Constraints

$$1 \leq N \leq 10^5$$

$$1 \leq x \leq 10^9$$

$$1 \leq type \leq 3$$

Output Format

For each type 3 query, print the maximum element in the stack on a new line.

Sample Input

```
10
1 97
2
1 20
2
1 26
1 20
2
3
1 91
3
```

Sample Output

```
26
91
```



Contest ends in **3 hours**

Submissions: [247](#)

Max Score: 35

Difficulty: Easy

Rate This Challenge:



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Current Buffer (saved locally, editable)  

C++14   

```
1 #include <cmath>
2 #include <cstdio>
3 #include <vector>
4 #include <iostream>
5 #include <algorithm>
6 using namespace std;
7
8
9 int main() {
10     /* Enter your code here. Read input from STDIN. Print output to STDOUT */
11     return 0;
12 }
13
```

Line: 1 Col: 1

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