

Give Current Min

Problem

Submissions

Leaderboard

Discussions

Problem Statement

You will be given a list A of size N . Then you will be given Q queries, for each query there will be some commands. Commands are given below -

1. $0\ X$ -> Insert X into the list. Then print the current minimum value from the list.
2. 1 -> Print the current minimum value from the list.
3. 2 -> Delete the current minimum value from the list and print the minimum value from the list after deletion.

Note: If the list is empty and you can't print anything then you should print "Empty".

Input Format

- First line will contain N .
- Second line will contain the list A of size N .
- Third line will contain Q .
- Next Q lines will contain the commands.

Constraints

1. $1 \leq N + Q \leq 10^5$
2. $-10^9 \leq A_i \leq 10^9$; Here A_i means the values of the list A .
3. $-10^9 \leq X \leq 10^9$

Output Format

- For each command, print as asked from the list.

Sample Input 0

```
4
10 -10 -5 -20
10
1
2
2
2
2
0 10
1
2
0 20
1
```

Sample Output 0

```
-20
-10
-5
```

```
10
Empty
10
10
Empty
20
20
```

Sample Input 1

```
6
45 -30 83 -99 19 75
9
1
2
2
0 32
0 6
2
2
0 -86
1
```

Sample Output 1

```
-99
-30
19
19
6
19
32
-86
-86
```



Submissions: [416](#)

Max Score: 20

Difficulty: Easy

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C++20



```
1 #include <bits/stdc++.h>
2
3 using namespace std;
4
5
6
7 int main()
8 {
9     // Write your code here
10
11     return 0;
12 }
13
```

Line: 1 Col: 1

[Upload Code as File](#)

☐ Test against custom input

Run Code

Submit Code

