Find the Maximum Value Problem Code: **LOSTMAX**

The Chef had a box with **N** numbers arranged inside it: A_1, A_2, ..., A_N. He also had the number **N** at the front, so that he knows how many numbers are in it. That is, the box actually contains **N**+1 numbers. But in his excitement due the ongoing IOI, he started dancing with the box in his pocket, and the **N**+1 numbers got jumbled up. So now, he no longer knows which of the **N**+1 numbers is **N**, and which the actual numbers are.

He wants to find the largest of the **N** numbers. Help him find this.

Input

- The first line of the input contains an integer **T**, denoting the number of test cases. The description of each testcase follows.
- Each of the next **T** lines will contain **N** and **N** numbers, but it is not guaranteed that **N**is the first number.

Output

For each test case, output a single line containing the maximum value of the **N** numbers in that testcase.

Constraints

- $1 \le \mathbf{T} \le 100$
- $1 \le \mathbf{N} \le 50$
- $1 \le \mathbf{A_i} \le 10^9$

Example

Input:

```
3

1 2 1

3 1 2 8

1 5 1 4 3 2
```

Output:

```
1

8

4
```

Explanation

Test case 1:

N = 2 and the numbers are {1, 1}. The maximum among these 2 numbers is 1, and hence the output is 1.

Test case 2:

N = 3 and the numbers are {1, 2, 8}. The maximum among these 3 numbers is 8, and hence the output is 8.

Test case 3:

N = 5 and the numbers are {1, 1, 4, 3, 2}. The maximum among these 5 numbers is 4, and hence the output is 4.