

HW_Second Largest in array 2

You have been given a **random integer array/list(ARR)** of size **N**. You are required to find and return the **second largest** element present in the array/list.

If **N <= 1** or all the elements are same in the array/list then return **-2147483648 or -2^{31}** (It is the smallest value for the range of Integer)

Input Format

The first line contains an integer '**N**' representing the size of the array/list.

The second line contains '**N**' single space separated integers representing the elements in the array/list.

Constraints

```
0 <= N <= 10^5
```

Output Format

Print the **second largest** in the array/list if exists, **-2147483648** otherwise.

Output will be printed in a separate line.

Sample Input 0

```
7
2 13 4 1 3 6 28
```

Sample Output 0

```
13
```

Sample Input 1

```
5
9 3 6 2 9
```

Sample Output 1

```
6
```

Sample Input 2

```
2
```

6 6

Sample Output 2

-2147483648

Sample Input 3

4
90 8 90 5

Sample Output 3

8