

# Array Minimum

Given an array of  $n$  integers, find the value of its minimum element.

## Input

Each test case is described in two lines. The first line contains  $n$ , the size of the array ( $1 \leq n \leq 10^6$ ). The second line contains  $n$  integers separated by one or more spaces. Each integer in the array will be between  $-10^9$  and  $10^9$ , inclusive.

The last line of the input contains a single 0 and should not be processed.

## Output

For each test case, write the minimum element in the array on a single line.

## Example

### Input:

```
4
1 2 3 4
2
-1 0
3
-1000000000 0 1000000000
0
```

### Output:

```
1
-1
-1000000000
```

(Problem is inspired by [MAXINARR](#))