

Max and 2nd Max

Write a program to get a set of numbers and print the max and second max numbers out.

**** You are not allowed to use the following commands”

list, **min**, **max**, **sort** or **sorted** (You cannot even write them in a comment also!!, if you use any of these commands, your code will get some errors)

The template of your code will be as follows.

```
exec(input().strip()) # your first line must be this command.  
n = int(input())  
...
```

Input

The first line will be a specific command that will get by the **exec(input().strip())**.

The second line will be the an integer indicating the number of following lines of values.
(this integer will be ≥ 2)

The following lines contain a single **integer** value line by line and the number of input values correspond to the second line.

Output

The max value and the second max values from the values starting from the third line of input.

Example

Input (from keyboard)	Output (on screen)
None 4 2 98 49 1	98 49
None 5	99 99

99	
99	
0	
-1	
0	