Time Limit: 1.000 s

Memory Limit: 256 MB



## Maximum and second maximum

You will be given a list of integers. Write a program find the greatest number and the second maximum number.

## **INPUT**

The first line contains one integer N, the number of integers in the list. ( $2 \le N \le 10$ )

The second line contains the list of N integers. The integers are in [-2147483648, 2147483647] (the range of 32-bit integer). The numbers may not be distinct.

## **OUTPUT**

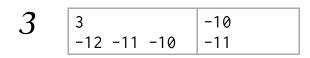
On the first line output the maximum number. On the second line output the second maximum number.

## **SAMPLE TESTS**

Innut

	прис	Output
1	4	4
	1 4 3 2	3
2	5	8
_	4 8 8 -3 5	8

Output





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