Sort   P25261_en

Write a program that reads a sequence of lists of numbers, and prints each list sorted in decreasing order.

Input

Input consists of a sequence of lists of numbers, each one composed of a natural n followed by n integer numbers.

Output

Your program must print each line sorted in decreasing order, with the numbers separated by a space.

Observation

Use the procedure |sort()| from the library |<algorithm>|.

Sample input 1

```
8  1 -2 3 -4 5 -6 7 -8
4  0 1 1 0
```

Sample output 1

```
7 5 3 1 -2 -4 -6 -8
1 1 0 0
```

Problem information

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