

Java BigDecimal

Java BigDecimal class can handle arbitrary-precision signed decimal numbers. Lets test your knowledge on them!

You are given n real numbers, sort them in descending order! Read data from *System.in*.

Note: To make the problem easier, we provided you the input/output part in the editor. Print the numbers as they appeared in the input, don't change anything. If two numbers represent numerically equivalent values, the output must list them in original order of the input.

Input Format

The first line will consist an integer n , each of the next n lines will contain a real number. n will be at most 200. The numbers can have at most 300 digits!

Output Format

Print the numbers in descending orders, one number in each line.

Sample Input

```
9
-100
50
0
56.6
90
0.12
.12
02.34
000.000
```

Sample Output

```
90
56.6
50
02.34
0.12
.12
0
000.000
-100
```