

Problem Statement

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.

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
```