

## Sorting Distances

Input File: sorting.txt

In *Sorting Distances*, you are a taxi driver who is trying to find the different paths to your destination in descending order. However, all you have been given are a bunch of scrambled distances. Your job is to return the distances you have been given sorted from **greatest to least**.

### Input:

The first line contains an integer N. The following N lines will contain one number each, representing a path's distance to the desired destination. All distances will be greater than 0, and no two distances will be the same.

### Output:

You will need to output all of the distances sorted from greatest to least, with each distance on a different line.

### Example Input:

```
4
489
507
23
17001
```

### Example Output:

```
17001
507
489
23
```