

Task D. Extraction of the maximum (1 point)

Given a maximum heap of size N . Is required $N - 1$ times to extract the maximum element. After each extraction, you need to display the state of the array in which the heap is stored.

Input format

The first line contains the heap size N ($1 < N \leq 10^3$). The second line introduces the heap itself – N different integers a_i ($-10^9 \leq a_i \leq 10^9$). It is guaranteed that these numbers make up the correct maximum heap.

Output format

It is required to output $N - 1$ lines – the state of the array after deleting each element.

Sample input:

```
6
12 6 8 3 4 7
```

Sample output:

```
8 6 7 3 4
7 6 4 3
6 3 4
4 3
3
```