## I. Array sorting

time limit per test: 2 seconds memory limit per test: 64 megabytes

input: standard input output: standard output

Sorting arrays is traditionally associated with high-level languages. How hard can it be in Befunge? Sort the given array in non-descending order.

n

## Input

The first line of input contains an integer n ( $1 \le n \le 100$ ) — the size of the array. The following lines contain the elements of the array, one per line. Each element of the array is an integer between 1 and 60, inclusive. The array might contain duplicate elements.

## **Output**

Output space-separated elements of the sorted array.

## **Examples**

```
input

5
7
1
9
7
3

output

1 3 7 7 9
```