

# Turbo Sort

Given the list of numbers, you are to sort them in non decreasing order.

## Input

$t$  – the number of numbers in list, then  $t$  lines follow [ $t \leq 10^6$ ].

Each line contains one integer:  $N$  [ $0 \leq N \leq 10^6$ ]

## Output

Output given numbers in non decreasing order.

## Example

### Input:

```
5
5
3
6
7
1
```

### Output:

```
1
3
5
6
7
```