

# Big Integer

Big Integer type is an immutable type that represents an arbitrarily large integer whose value in theory has no upper or lower bounds. Given a list of positive integers, write a C program to order these integers in such a way that they make the highest big integer and print it.

**You MUST use quick sort to solve the problem.**

## Input Format

The first line contains N, the number of elements in the list.

Each of the next lines contains an integer represents an element in the list.

## Constraints

- $1 \leq N \leq 10^4$
- $0 \leq \text{number} \leq 10^9$

## Output Format

Print the big integer.

## Sample Input 0

```
3
9
23
5
```

## Sample Output 0

```
9523
```

## Sample Input 1

```
4
2
34
1
324
```

## Sample Output 1

```
3432421
```