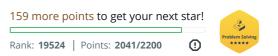






X





You have successfully solved Big Sorting Share

Leaderboard

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Editorial

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**Problem** 

Consider an array of numeric strings where each string is a positive number with anywhere from  ${\bf 1}$  to  ${\bf 10^6}$  digits. Sort the array's elements in non-decreasing, or ascending order of their integer values and print each element of the sorted array on a new line.

#### **Function Description**

Complete the bigSorting function in the editor below. It should return the sorted string array.

bigSorting has the following parameter(s):

• unsorted: an unsorted array of integers as strings

Submissions

#### **Input Format**

The first line contains an integer, n, denoting the number of strings in unsorted.

Each of the n subsequent lines contains an integer string unsorted[i].

## Constraints

- $1 \le n \le 2 \times 10^5$
- Each string is guaranteed to represent a positive integer without leading zeros.
- ullet The total number of digits across all strings in unsorted is between  $oldsymbol{1}$  and  $oldsymbol{10^6}$  (inclusive).

## **Output Format**

Print each element of the sorted array on a new line.

#### Sample Input 0

6

31415926535897932384626433832795

- 1
- 3
- 10
- 3
- 5

## Sample Output 0



```
1
3
3
5
10
31415926535897932384626433832795
```

### **Explanation 0**

The initial array of strings is unsorted = [31415926535897932384626433832795, 1, 3, 10, 3, 5]. When we order each string by the real-world integer value it represents, we get:

# $1 \leq 3 \leq 3 \leq 5 \leq 10 \leq 31415926535897932384626433832795$

We then print each value on a new line, from smallest to largest.

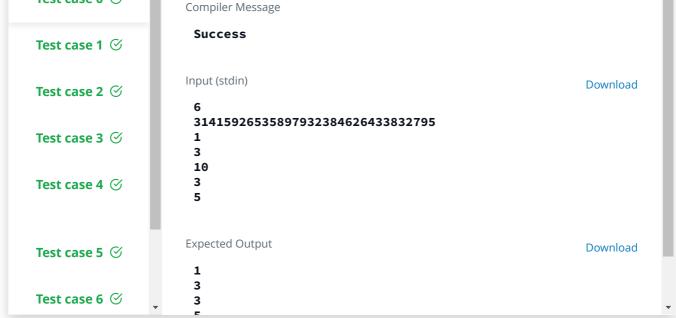
```
Sample Input 1
```

```
8
1
2
100
12303479849857341718340192371
3084193741082937
3084193741082938
111
200
```

#### Sample Output 1

```
1
2
100
111
200
3084193741082937
3084193741082938
12303479849857341718340192371
```

```
C++14
    #include <algorithm>
2
    #include <functional>
3
    #include <iostream>
    #include <string>
    #include <vector>
 6
 7
    int main() {
     int n{}, Len{};
8
9
      std::string temp{};
10
      std::cin >> n;
11
      std::vector<std::string> vec(n);
12
      for (std::string &element : vec)
13
        std::cin >> element;
14
       static const auto compare = [](const std::string &now.
```





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