

179. Largest Number

Description

Hints

Submissions

Discuss

Solution

Pick One

Given a list of non negative integers, arrange them such that they form the largest number.

Example 1:

Input: [10,2]
Output: "210"

Example 2:

Input: [3,30,34,5,9]
Output: "9534330"

```
public class L179 {  
    public String largestNumber(int[] nums) {  
        String[] arr = new String[nums.length];  
        for (int i = 0; i < nums.length; i++) {  
            arr[i] = String.valueOf(nums[i]);  
        }  
        //这儿主要利用了排序的思想，看哪个在前面，哪个在后面  
        Arrays.sort(arr, new Comparator<String>() {  
            public int compare(String a, String b) {  
                return (b + a).compareTo(a + b);  
            }  
        });  
  
        StringBuilder sb = new StringBuilder();  
        for (String s : arr) {  
            sb.append(s);  
        }  
        //这儿是为了去除多余的0  
        while (sb.charAt(0) == '0' && sb.length() > 1) {  
            sb.deleteCharAt(0);  
        }  
        return sb.toString();  
    }  
}
```