179. Largest Number

Given a list of non-negative integers `nums`, arrange them such that they form the largest number and return it.

Since the result may be very large, so you need to return a string instead of an integer.

Example 1:

```
Input: nums = [10,2]
Output: "210"
```

Example 2:

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

Constraints:

- `1 <= nums.length <= 100`
- `0 <= nums[i] <= 10^9`

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```
/*
   Time complexity: O(nlogn)
   Space complexity: O(1)
*/
class Solution {
public:
   std::string largestNumber(std::vector<int>& nums){
      int n=nums.size();
      std::sort(nums.begin(),nums.end(),[](int a,int b){
         std::string sa=std::to_string(a);
         std::string sb=std::to_string(b);
         return sa+sb>sb+sa;

      });

      if(nums[0]==0) return "0";

      std::string ans="";
      for(auto& e: nums){
         ans+=std::to_string(e);
      }

      return ans;
   }
};
```