Description | My Submissions | Hints/Editorial | AC Submissions | My Notes (0)

All Permutations

? Ask Doubt

Time-Limit: 1 sec Score: 100.00/100 Difficulty :

Memory: 256 MB Accepted Submissions: 100

Description

Given an array of numbers, that might contain duplicates, **print all possible unique permutations in lexicographically increasing order.**

Input Format

The first line of input contains *n* - the size of the array.
The second line contains *n* space-separated integers denoting the elements of the array - $a_1, a_2, \ldots, a_n$.

Output Format

Print all permutations in lexicographically increasing order. See the sample output for more clarity.

Constraints

$1 \le n \le 8$
$0 \le a_i \le 10^9$

Sample Input 1

Copy

```
3
1 1 1
```

Sample Output 1

Copy

```
1 1 1
```

Sample Input 2

Copy

```
3
1 2 1
```

C++14[GCC]

Submit

```
4    map<int,int>mp;
5    using lli = long long int;
6    vector<int>curr_sol;
7    void rec(int x){
```