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Discussions

The Missing Numbers

Submissions



Peter wants to know the missing interval of numbers given a list of sorted integers. As his coding buddy, help him find all the missing intervals from the given list.

Input Format

Problem

The first line of input contains an integer N that denotes the number of data to read and processed. The succeeding line contains N number of integers.

Constraints

- Integers are strictly from 0 to 999.
- There is always at least one number missing.

Output Format

Display all the missing intervals starting at 0. If there are multiple intervals for display, separate it with a space. See sample output below for sample display.

Sample Input 0

```
4
0 5 67 88
```

Sample Output 0

```
1-4 6-66 68-87 89-999
```

Sample Input 1

```
2
0 999
```

Sample Output 1

1-998

```
C++
  1 ▼ #include <cmath>
     #include <cstdio>
     #include <vector>
     #include <iostream>
     #include <algorithm>
     using namespace std;
  9 ▼ int main() {
         /* Enter your code here. Read input from STDIN. Print output to STDOUT */
 10 ▼
         return 0;
 11
 12 }
 13
--VIM---
                                                                                                                           Line: 1 Col: 1
```

<u>Upload Code as File</u> Test a

Test against custom input

Run Code

Submit Code