

The Missing Numbers

locked

Problem	Submissions	Discussions
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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

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

2

3

4

5

6

7

8

9

10

11

12

13

#include <cmath>

#include <cstdio>

#include <vector>

#include <iostream>

#include <algorithm>

using namespace std;

int main() {

/* Enter your code here. Read input from STDIN. Print output to STDOUT */

return 0;

}

--VIM--

Line: 1 Col: 1