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Good Sequence AZ101

? Ask Doubt

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

Memory: 256 MB Accepted Submissions: 100

Description

You are given an array A of N integers. A sequence is called good if the value x occurs x times in the array. Find the minimum number of integers you need to delete from A to make it good.

Input Format

The first line of the input contains one integer T - the number of test cases. Then T test cases follow.

The first line of each test case contains one integer N - the length of the array.

The second line of each test case contains N space-separated integers.

Output Format

For each test case, print the minimum number of integers you need to delete from A to make it good.

Constraints

$1 \le T \le 10^5$

$1 \le N \le 10^5$

$1 \le A_i \le 10^9$

It is guaranteed that the sum of N over all test cases does not exceed 10^6.

Sample Input 1

Copy

```
3
5
3 2 3 3 1
4
3 2 2 4
5
6 6 1 1 2
```

Sample Output 1

Copy

```
1
```

C++14[GCC]

Submit

```
1
```

Typesetting math: 100%