

Lili's Array

Lili has an array containing N elements. Lili wants to know the number of occurrences of the most frequent element in the array and also the element itself. If there exists more than one most frequent element, output the smallest most frequent element.

Format Input

The first line contains an integer T stating the number of test cases.

For each test case, the first line contains a single integer N which indicate the number of element in the array. The next line contains N integers X_i $(1 \le i \le N)$ which indicate i^{th} element in the array.

Format Output

Consists of T lines where each line has the format "Case #X: Y", where X is the test case number starting at 1 and Y is the number of occurrence of the most frequent element. The next line contains the smallest element whose number of occurrence is equal to Y.

Constraints

- $1 \le T \le 1,000$
- $2 \le N \le 100$
- $1 \le X_i \le 10^9$

Sample Input (standard input)

```
3
8
1 1 2 2 3 4 5 5
8
5 5 4 3 2 2 1 1
4
1 1 1 3
```

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Sample Output (standard output)

Case #1: 2
1
Case #2: 2
1
Case #3: 3
1



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Lili mempunyai sebuah array yang berisi N buah elemen. Lili ingin tahu nilai frekuensi kemunculan dari elemen yang paling sering muncul di array tersebut. Lili juga ingin tahu elemen apa yang memiliki frekuensi tertinggi tersebut. Jika ada lebih dari satu elemen dengan frekuensi tertinggi, output elemen terkecil.

Format Input

Baris pertama berisi sebuah bilangan bulat T yang menyatakan banyaknya kasus uji. Untuk setiap kasus uji, baris pertama berisi sebuah bilangan bulat N yang menyatakan banyak elemen pada array. Pada baris selanjutnya, terdapat N bilangan bulat X_i ($1 \le i \le N$) yang menyatakan nilai elemen ke-i pada array.

Format Output

Terdiri dari T baris yang setiap barisnya memiliki format "Case #X: Y", dimana X adalah nomor kasus uji mulai dari 1 dan Y adalah frekuensi tertinggi. Kemudian, output pula elemen terkecil dengan frekuensi Y.

Constraints

- $1 \le T \le 1,000$
- $2 \le N \le 100$
- $1 < X_i < 10^9$

Sample Input (standard input)

```
3
8
1 1 2 2 3 4 5 5
8
5 5 4 3 2 2 1 1
4
1 1 1 3
```

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Sample Output (standard output)

Case #1: 2
1
Case #2: 2
1
Case #3: 3
1



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