

Jojo and Statistics

Duck farming is a trend right now, at least among the residents of Sunibland. Jojo has N ducks, and the i-th duck has height h_i . Now Jojo wants you to find the mode of the heights. The mode of a set of data values is the value that appears most often. As the mode can be more than 1, Jojo asks you to just sum all of them instead of listing them. Help Jojo find the sum of modes!

Format Input

The first line contains an integer T, the number of cases. The first line of each case contains one integer N. The next line contains N integers h_i denoting the height of the i-th duck.

Format Output

For each case, output "Case #X: Y" where X is the number of case and Y is the sum of all modes.

Constraints

- $1 \le T \le 10$
- $1 \le N, h_i \le 10^5$

Sample Input (standard input)

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

Sample Output (standard output)

```
Case #1: 2
Case #2: 15
```

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Ternak bebek merupakan sebuah tren pada saat ini, setidaknya diantara para penduduk Sunibland. Jojo memiliki N ekor bebek, dan bebek ke-i memiliki tinggi h_i . Jojo memintamu untuk mencari modus dari tinggi bebek-bebek itu. Modus dari sekumpulan data adalah nilai yang paling sering muncul. Karena modusnya bisa lebih dari 1, Jojo memintamu untuk menjumlahkannya saja daripada menuliskan semuanya. Bantulah Jojo mencari penjumlahan dari modus tinggi bebek-bebek itu!

Format Input

Baris pertama berisi sebuah bilangan bulat T, banyaknya kasus. Baris pertama pada tiap kasus berisi sebuah bilangan bulat N. Baris selanjutnya berisi N buah bilangan bulat h_i , yaitu tinggi badan dari bebek ke-i.

Format Output

Untuk tiap kasus uji, keluarkan "Case #X: Y" dimana X adalah nomor kasus uji dan Y adalah penjumlahan dari semua modusnya.

Constraints

- 1 < T < 10
- $1 \le N, h_i \le 10^5$

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Sample Input (standard input)

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

Sample Output (standard output)

```
Case #1: 2
Case #2: 15
```

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