

Jojo's Array

Jojo has an array containing N elements. Jojo wants to know the sum of all element and the number of element which is strictly greater than the sum.

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 sum of all element. Next line contains an integer denoting the number of element that strictly greater than the sum.

Constraints

- $1 \le T \le 200$
- $2 \le N \le 2000$
- $-2 \times 10^9 \le X_i \le 2 \times 10^9$

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: 11 0 Case #2: 19 0 Case #3: 0



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Jojo mempunyai sebuah array yang berisi N buah elemen. Lili ingin tahu jumlahan seluruh elemen dan banyak elemen yang lebih besar dari jumlahan tersebut.

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 jumlahan seluruh elemen. Baris selanjutnya berisi sebuah bilangan bulat yang menyatakan banyak elemen yang lebih besar dari jumlahan seluruh elemen.

Constraints

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Sample Output (standard output)

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