# **Maximum Sum Sequences**

Given an array A having n elements, let X be the maximum sum of any contiguous sequence in the array. How many contiguous sequences in A sum up to X?

## Input

The first line contains T the number of test cases. There follow 2T lines, 2 for each test case. The first line contains the n, the number of elements in the array. The second line contains n space separated integers Ai.

## **Output**

Output T lines, one for each test case. On each line, output two space separated integers; the maximum sequence sum, and the number of sequences which obtain this maximum sum.

# **Example**

#### Input:

2

3

-1 -1 -1

20-22

#### **Output:**

-13

2 4

### **Constraints**

```
1 <= T <= 35
```