Zero One

Lili has a string with length N consisting of '1' and '0'. She wants to know which is longer, the '1's or '0's. She will only count the consecutive '1' or '0'.

Format Input
First line will consist of an integer T, the number of test cases.
For each test case, first line will be an integer N.
In the next line, there will be string S.

Format Output
On the first line of each test case print "Case #X: ".
Then on the same line print 1 and then the length of longest consecutive '1' if 1 is longer or print '0' and the length of the longest consecutive '0' if 0 is longer.

Constraints
1 <= T <= 10
1 <= N <= 10^5
The string will consist only '1's and '0's.
It is guaranteed that there will be only one answer.

Sample Input	Sample Output
2 15 111100011100000 10 1010101011	Case #1: 0 5 Case #2: 1 2