Feedbacks on the Rejuvenation Sessions

The Rejuvenation Sessions organised by the Red Cross organised at the Hawally Camp seemed to be a big success as several refugees were a part of it. They heartily thanked the Red Cross for such refreshing event after long days of darkness in their lives.

The Red Cross then decided to organise such sessions in all the refugee camps across the country so that every refugee would be benefitted. But they were keen to know the feedbacks from those refugees at Hawally Camp so that they can overcome those negative ones and bring about a really promising event in other camps.

For facilitating this, the Red Cross distributed feedback forms to the refugees to fill in. Once they all had penned their views, Red Cross went through each and every feedback and noted those that could make a difference. In the process when the members were relaxing, one of them simply calculated how many times a sequence *xyz* and *pqr* appear in the feedback sequences given as input by the refugees.

Can you fix the task by calculating the number of times the sequences *xyz* and *pqr* appear in the input feedback sequences.

Input Format:

First line of the input is an integer value N that contains the length of the sequence.
Second line are N small case english characters that corresponds to the elements of the sequence.

Output Format:

Print the number of times the sequence *xyz* and *pqr* appear in the input feedback sequences, separated by spaces.

Sample Input 1:

19
bcpqrdytfgxyzpqrklm

Sample Output 1:

1 2

Sample Input 2:

6
xxxyzz

Sample Output 2:

1 0

Sections   Finish