**[Minimum Deletions to Make Character Frequencies Unique](https://leetcode.com/problems/minimum-deletions-to-make-character-frequencies-unique/)**

A string s is called **good** if there are no two different characters in s that have the same **frequency**.

Given a string s, return*the****minimum****number of characters you need to delete to make*s***good****.*

The **frequency** of a character in a string is the number of times it appears in the string. For example, in the string "aab", the **frequency** of 'a' is 2, while the **frequency** of 'b' is 1.

**Example 1:**

**Input:** s = "aab"

**Output:** 0

**Explanation:** s is already good.

**Example 2:**

**Input:** s = "aaabbbcc"

**Output:** 2

**Explanation:** You can delete two 'b's resulting in the good string "aaabcc".

Another way it to delete one 'b' and one 'c' resulting in the good string "aaabbc".

**Example 3:**

**Input:** s = "ceabaacb"

**Output:** 2

**Explanation:** You can delete both 'c's resulting in the good string "eabaab".

Note that we only care about characters that are still in the string at the end (i.e. frequency of 0 is ignored).

**Constraints:**

* 1 <= s.length <= 105
* s contains only lowercase English letters.

Code :

class Solution {

public:

    int minDeletions(string s) {

        vector<int> freq(26, 0);

        for(char c: s)

            freq[c-'a']++;

        priority\_queue<int> pq;

        for(int f: freq)

            if (f>0) pq.push(f);

        int upper=pq.top();

     //   cout<<upper<<endl;

        pq.pop();

        int ans=0;

        while(!pq.empty() && upper>=1){

            int top=pq.top();

            pq.pop();

            int del=top+1-upper;

            if (del<0) upper=top;

            else{

                ans+=del;

                upper--;

            }

        //    cout<<upper<<endl;

        }

        while(!pq.empty()){

            int top=pq.top();

            pq.pop();

            ans+=top;

        }

        return ans;

    }

};

Link : <https://leetcode.com/problems/minimum-deletions-to-make-character-frequencies-unique/submissions/1169613139/?envType=daily-question&envId=2024-02-08>