**Frequency Array**

Frequency arrays are used to calculate the frequency of characters in any object, in a string for example or in an array.

The idea of the frequency array is that we increase the value by one  when the index is equal to the character that we are calculating its frequency.

Example :

Int freq[2];

Int main(){

String x = “111000”;

for(int i=0; i<x.length();i++){

if(x.at(i) == “0” ) freq[0]++;

else if(x.at(i) == “1”) freq[1]++;

}

}

In this example we are calculating the frequency of 0 and 1 in string x, so when we checked if the character is 0 we increased the freq array on index 0, and so on.

We have to take into consideration **the size of the frequency array**, for example if i want to calculate the frequency of the number ‘8’ in a string the size of the are must be at least 9 to ensure that we have the index number 8.

**Problems :**

[**https://codeforces.com/problemset/problem/141/A**](https://codeforces.com/problemset/problem/141/A)

[**https://codeforces.com/problemset/problem/37/A**](https://codeforces.com/problemset/problem/37/A)

[**https://codeforces.com/problemset/problem/1166/A**](https://codeforces.com/problemset/problem/1166/A)

[**https://codeforces.com/contest/18/problem/C**](https://codeforces.com/contest/18/problem/C)