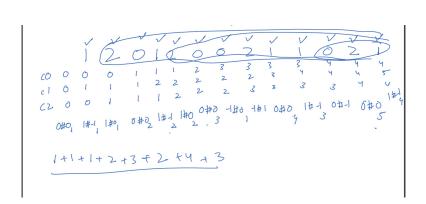
Subarrays with equal no. Of 0s, 1s and 2s

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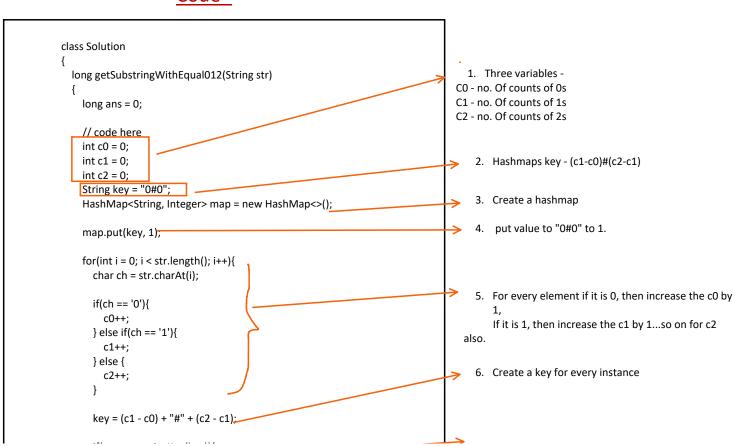
https://practice.geeksforgeeks.org/problems/equal-0-1-and-23208/1/

Find subarrays, which have equal no. Of 0,1 and 2s.



The approach is - Suppose at any point of time, if no. Of 0s,1s and 2s are x,y and z. And after some time If the no. Of 0s, 1s and 2s all are increased same time, let say 'a'. i.e x+a,y+a,z+a. Then that subarray is said to be as equal no. Of 0s,1s and 2s in it.

Code -



```
key = (c1 - c0) + "#" + (c2 - c1);

if(map.containsKey(key)){
    int val = map.get(key);
    ans += val;

    map.put(key, val + 1);
    } else {
       map.put(key, 1);
    }
}

return ans;
}
```

7. If it is already available (key), then put the value and add it to the ans.

increase its value by one.

8. Else, if key is not present, then add that key and its value as 1.