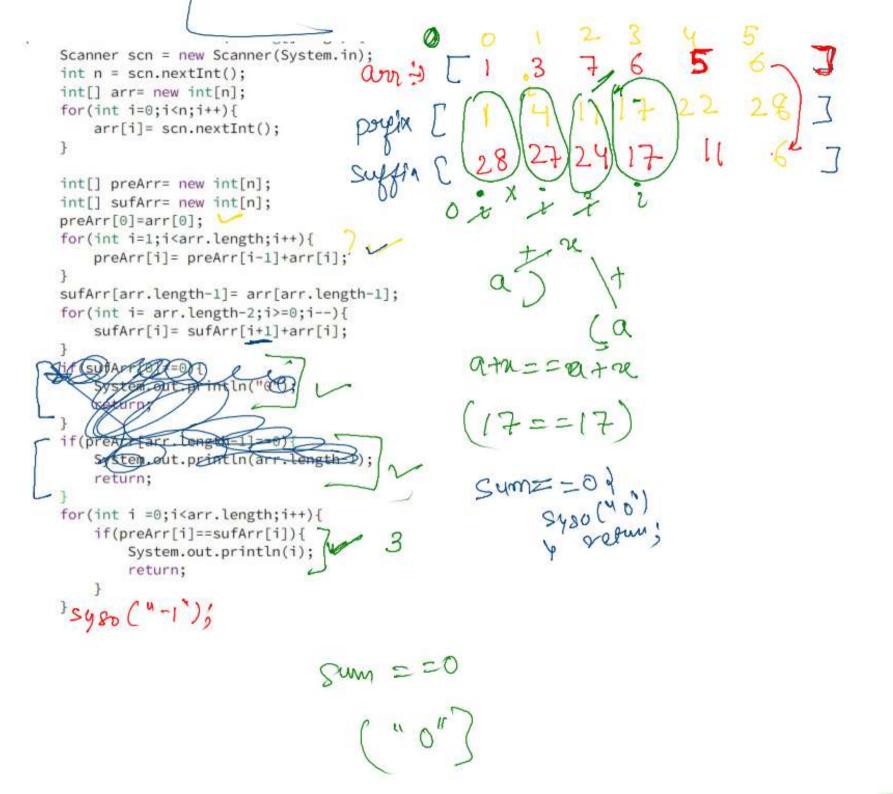
Quantity find Proof index

or = [] 7 3 6 5 6 dn) Approach a b c d e] Syso ("-1");

prefiaSun [1 4 11 17 22 28] Suffin Sum [28 27 24 17 (11) 6 pref(i) == sref(i) if (suff [0] == 0) of if (poliff (am. leyth -1) = =0) of landingth-1),

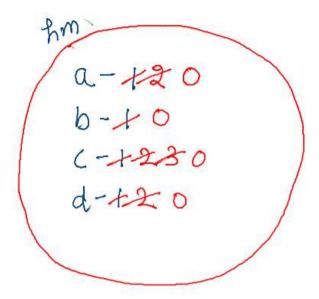


HashMat It is DS that Stores data in a Key Valu Pair Hashmap < charactu, Integer > hm = new Hoshmap <>C); "ab cdabcdabcde Ky 13 character heap value 13 frequency hm. containskey (ch); hm: YK false hm, put (ch, 1) Stack int val = hm. get (ch) migue hm. put (ch, val+1); value can be duplicate

value can be displicable

```
public static void main(String[] args) {
   Scanner scn = new Scanner(System.in);
   String str = scn.nextLine();
   HashMap<Character,Integer> hm = new HashMap<>();
   for(int i=0;i<str.length();i++){</pre>
        char ch = str.charAt(i);
        if(hm.containsKey(ch)){
            int val = hm.get(ch);
            hm.put(ch,val+1);
        }else{
            hm.put(ch,1);
        }
    }
   for(int i=0;i<str.length();i++){</pre>
        char ch = str.charAt(i);
        int val = hm.get(ch);
        if(val>0){
            System.out.println(ch+"-"+val);
            hm.put(ch,0);
        }
   /* Enter your code here. Read input from STDIN. Print output to STDN
```

str= "a b cda Ged"



$$\begin{bmatrix} a-2 \\ b-1 \\ c-3 \end{bmatrix}$$
 Solution

```
Py
```

```
public static void main(String[] args) {
   Scanner scn = new Scanner(System.in);
   int n = scn.nextInt();
   int[] arr= new int[n];
   for(int i=0;i<n;i++){
        arr[i]= scn.nextInt();
   HashMap<Integer,Integer> hm = new HashMap<>();
   for(int i=0;i<arr.length;i++){
        int x = arr[i];
       if(hm.containsKey(x)){
           int val = hm.get(x);
           hm.put(x,val+1);
       }else{
           hm.put(x,1);
   }
   int max = arr[0];
   for(int i=1;i<n;i++){
       int x = arr[i];
       if(hm.get(max)<hm.get(x)){
   System.out.println(max);
   /* Enter your code here. Read input from STDIN. Print output to STDOU
```

