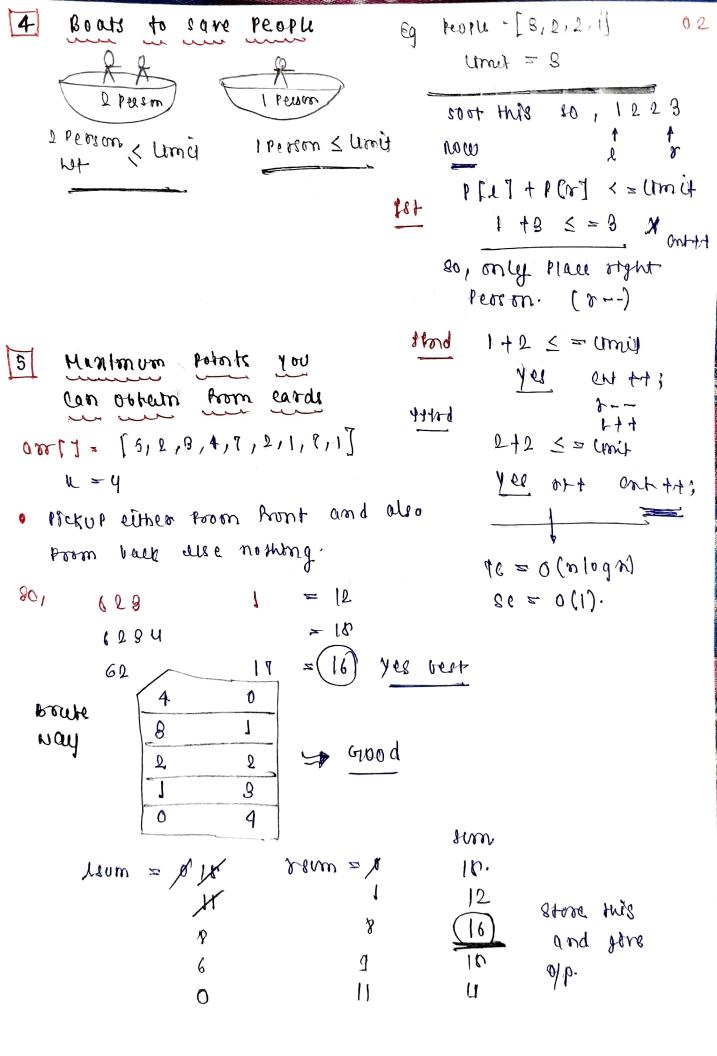
1 co 0 Poloter with sim bloary subarrays M-1 Prod out all subarrays o (n2) noms = [110,11011] gum = 5 Atom of that subarray O(n) Of = 4 o (mg). Hood subarray Kr.M num = [1,2,3] sum +=1 ans orme = o(n) num = [1,2,3] sum +=2 find range EC = 0 (m) eum num = [1,2,3] +m +=3 Penuly teer sovermay to found merin Stant 4 see stmuttaneously so O(n2). 7 able Sum segment 4000 avm = [1,2,8] and god = 3. M ordate Psum = [113,6]. · pange = room [1] - room [1-1] = goal. Eq. num [] = 0 | 0 | 0 | Pscm [] =0 0 1 1 2 2 3 Srw on oum You at 108 right So. Perm [1-1] = Perm [1] Now - god. Ex eiro entra add ler lenge or eath he eath Jaha tak I Phuchega waha se feble same eliment to mak me v datte rayenge. mpp ans = 8/24 10 10 1 9001 = 2 eg Isum = 0 11228 muzg 40101 = (4)

sopouray row ednots k same code for trevtous one cuel be done by it. another way to some 960 (Brown Evbarrays with sum) 89 goa) = 2 ON = QXXXXXXX 5 comt = 1234101 801 10 10 0101 101 3/ number of reso frued subarrays [+8] nums = [1,3,010,2,0,0] eg. nums. [0,0,0;2,0,0] 80 trotal = 9, 20, total = 6 so, existry un have to send no of emel continuous H3 Brute Porce [0,0,0] 0 (N2).0(N) = 0(N8) p(y+1)8 pare = 0 (1). Find all tero eviarrays ire HHI stark studing no or subarrays total cobarrays. only when starts with o. sw, wer with 7 me > 0 (N2) previous Logic space = 0 (1). but don't store abse rehle group nival rewer count, longe o le groups lea ed- vous [01010151010] direct won rute. اله ١١٤١ ﴿ (n+1)/2.



without repeating characters. Longest substime 2 = cadbeabed Ed. fenc (string) K hash [ers] = [-1] array hoi ye map. ? chas, Inden? 1=0, n=0, maxien=0 maxlen = 8928 ys U 28. HTC (); → 40 = 0 (N) sure (ren) & # (hash t str77 !=-1) & ---> 3c ≥ 0 (2r6). 14 Chash to To77 >= l) < es han teloggal; un = 8-1+1; manden = man (len manden); hash [s[r]] =8 1++; return madlen;

consecutive once !!! Man L = 2 auch = [11100011110] find longust subarray allow to PUT at most 12 rewel. with man cures as La ofb = 9 K A we 0 0 cure = 6 x x 3 2 8 2 mayer = BXXXXXX 6 RLLL bruits into Baskets. 2 1 1 2 9 3 4 1 om 17 = [8 3 3 1 only 2 buckets, that only stores Eg strottes types of thing. zy. · max length subarray Ţ 2 with at most two eg 2 2 ~ (S) types of numbers. 111 2. 1 10 = 0(N+N)0 (2N) 4 map, mag (N)0 E 3c = 0(8) manuer = \$17345 one another way to optimise this win be emply

do the enfarray and that store is mak when map man confecutives eta = = & no neturn an. ones 11.

at most & district character Longest loss bing with Œ ed. Ego P = a aa bb ccd \mathcal{I} a. 1 > 2. 70 = 0 (u) + 0 (log 200) e = o(ers). manun = 8 XX 10 number of substorings containing all 3 enacacters. len = 1/2 bba eba

```
stiding window
                     cuitnout repeating chas.
   roudest enperused
Ed.
     fww kew
                             fas ( ____) {
                       map
                                   while (mp (still) >0) (
 8mans = pw
                                    any = 1-3
  SID
      wkew
  Pw
                                     2016 [8 LO] --;
                      an = 3
  4 1
                                   J--;
 s/e
                                  motsti7 J++;
                   hot rune (strong 8) {
      rot start = 0, end = 0, ans = 0;
      considered map < chaq (not > mp;
       while lend < solength (1) {
             white (mp Is [end]]>0) {
                  ans = man cans, (end-stuet));
                   mp to fotaet ] ]--1
                  84 vet ++;
            mp ts tend 77 tt;
            end +t:
       are = man (and, (end-stall));
```

neturn and;

02 consecutive ones. [0,0,1,1,0,0,1,1,1,1,0,1,1,0,0,1,1,1,1] K > B am = (head -tail # = \$ 7 8 10 r=8xxxx tot tene (rector grout > nums, not k)? not stoot = 0, and = 0 (and = 0; while (end < neme + stre 1) } > (0 = = [1] = m) 46 > k--; white (K<0) 6 or (nume tetant = = = 0) (14+3 strattants any = mga (ans, (end-start+1)); end ++; return ons; V

```
0.3
                  substitutes mitition budgets.
      Get equal
                                                            62
                   rit equal substitut ( storag. S, storag &,
   S = loubed
   t= bedt,
                                           not man cost) {
                      Not 1 =0, 1 =0;
   man lost = 3
                       not cost so i not and so;
                     white (icsungth ()) {
                            cost scost tabs (SHT-thi);
                            If ( evet > max cost) {
                                Over = cost - abs (still -+ [1]);
                               1++;
                            ans = man (ans, (1+1-7);
                        1++D of
                       return ans;
 oy
        Subarrey
                   Product less than the
   Yaha subarray ha light ist comt (rector <10+> him.)
                                                     100+ K) 3
   check borna has bd.
                                  mt 120,120,000 50,
                     U= 100.
                                       prod =1;
    10
       12
          2 6
                                  $$ (k <=1) return 0;
   10 4
                                  course (1< nums-stre (1) {
   10 5 0
                                       prod = prod at nems [i];
                                       cowle ( prod > = k) {
                                           ill imal pood = pood
   2 4
                                           Pth;
                                      >
   26 4
  Low
                                      ans = ans + (1-9+1);
                                      1440
  Hotal 8
```

soboray

Yen subomay

de ma hoj.

octum ond i

15 evarue value Maxmm erase ku go entique hu no volue 1424567 me cyka man som return eg 17 una nog. 40+ 120, 120, som =0, ans =0) considering was < just / lut > job 3 white (1< nums ester (1) (compe (une Lame [7]] >0) { mpt nums till --; Sum = eum - num: [1]; 1++; illi sand + mus = and an = man (ans, s(m); ; ++ + [b] 2 muno 1 9 m 6446 return ans; repeating enacastes replacement Longest rot 1=0, 6=0, and =0; rector < rat > count (2610); while (i < silength ()) < com4 [8 [1]-14,]++; course ((1-1+1) - (* man_element (count. begin (), comt end ()))>+) good count [sti] - 1 A 1] --) 1443 oge co ans = rean (ans, 1-1+1); 1442 return and;

```
Minimum era
            coposital com
```

talget = 7

€q.

```
nome = [2,3,1,2,4,3]
```

```
m+ 1=0,1=0, com =0;
 tot and = INT-MANI
 while (I < noms-size ()) K
     ([i] low + mus = mus
      while ( elm > = talget) {
         an = min (an, (j-1+1));
          em = em -nms [i];
        1443
     1++;
 TR (92 = = 9N1-MAY)
roturn 0;
 neturn one;
```

quy Minimum operations reduces [6]2 11155 29 num = [1,1,4,2,3] K=10 5 -7 = 2 5-8 = 2 · 6-2-1-1=0 2-2 =0 2-2 = 0 4 stepsyaha ye koo sbie bada 0 5-5 = 0. sta la subarray chimo 1981la length man in his or sum total - K ho. stord all anagrams on a storting 3 = cbaebabacd 0123456789 9 8 bac Cha 80,)0,6] e babacd a flush me stral das do, or temp se compare longest subarray barre sho temp se 14 op 118 after deuting 0/1 Pe smitch whe one eument sho. same as mark consecutive one il @ [1,1,0,1] k = vertable 0/4 = 8. Yaha K= 1 or and -1. serre les than k cornt eubarrays with cente (evm * (j-i+1) > = k) { em = em -nemsti; Euro = euro + nume [1] 144 5 am = am + (1-1+1); Stt;

In fruit voto barrets. ume se a maramam soparañ chenna has strike length still we have only eg [1,2,1] Jada ho 2 me hi aa Jaye. 2 barleys elb: 8 Minimum consecutive cards to Piek Up. qw almost same. trequency of most frequent element [2 4] N=0. gus number of ciso Prived subarrays. que vo or emooth duscent rentods of stock. count the 10. or good

subarrays

some gus.