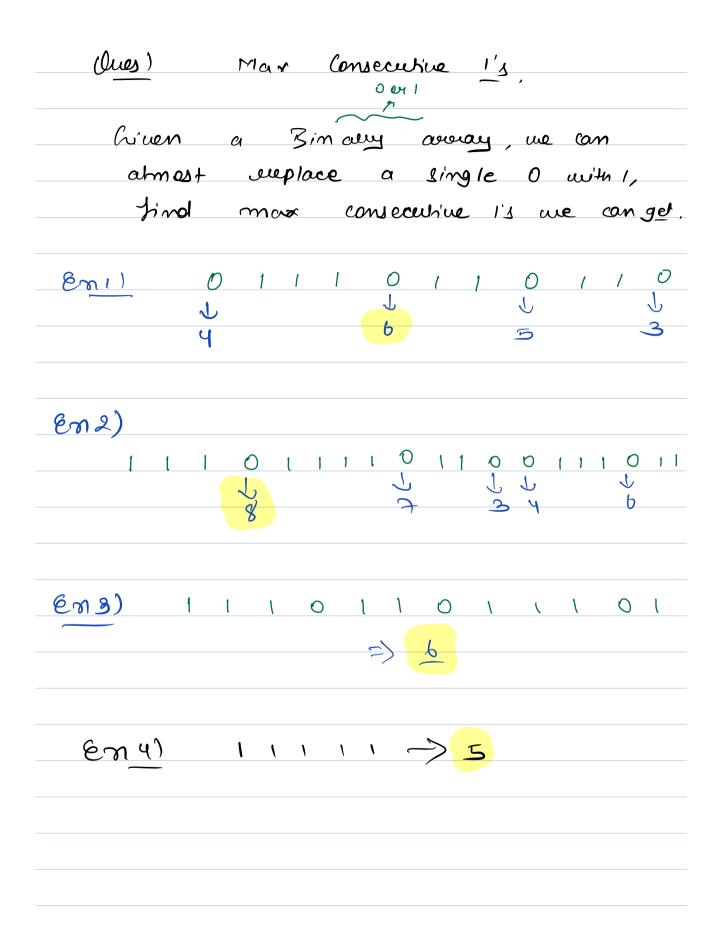
Today	's Agenda:
	-> Product avoing Puzzie
	> Max Consecutive 1's
	-> No of triplets
	و ۱۹۳۰ کے
Problem Solving Serion	tomorgios: 1-30m
	I'M A GREAT
	BELIEVER IN LUCK,
Today's Onok!	AND FIND THE
	HARDER I WORK THE
	MORE I HAVE OF IT



: Brue force '-

ans =0 119 tende & get cont g1's if (cnt==m) & return m3

for (1:0', 1< N', 1++) {

if (aux Ci) ==0) {

1=0; (J=1-1,J>=0;J~-) { | if (aun []]==1) { 1+1 } else { Break }

~=0',

(J = i+1', J<m', J++) {

if (auntJ) ==1) { 7++3

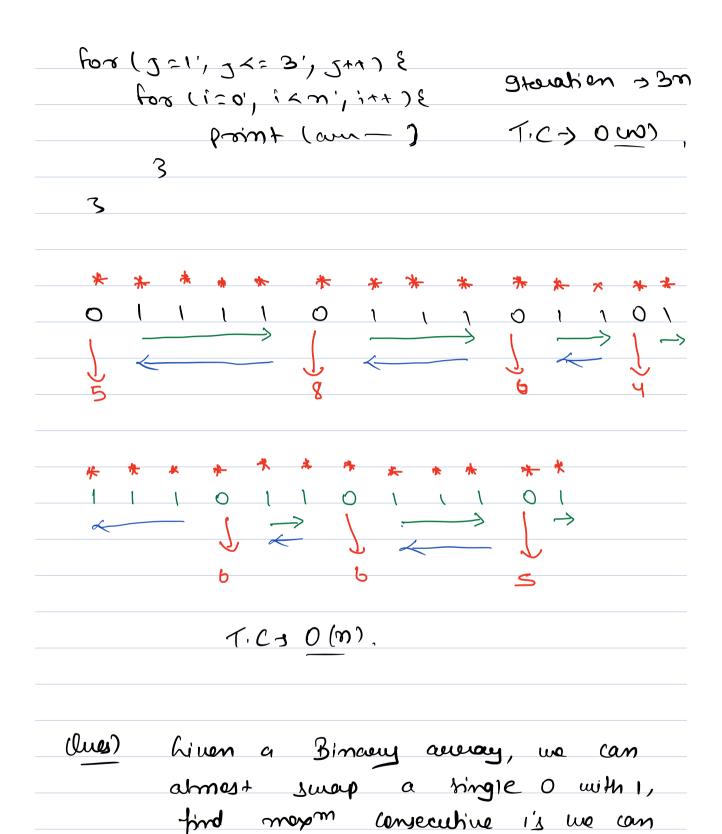
ehe { break}

3 1= 1+x+1

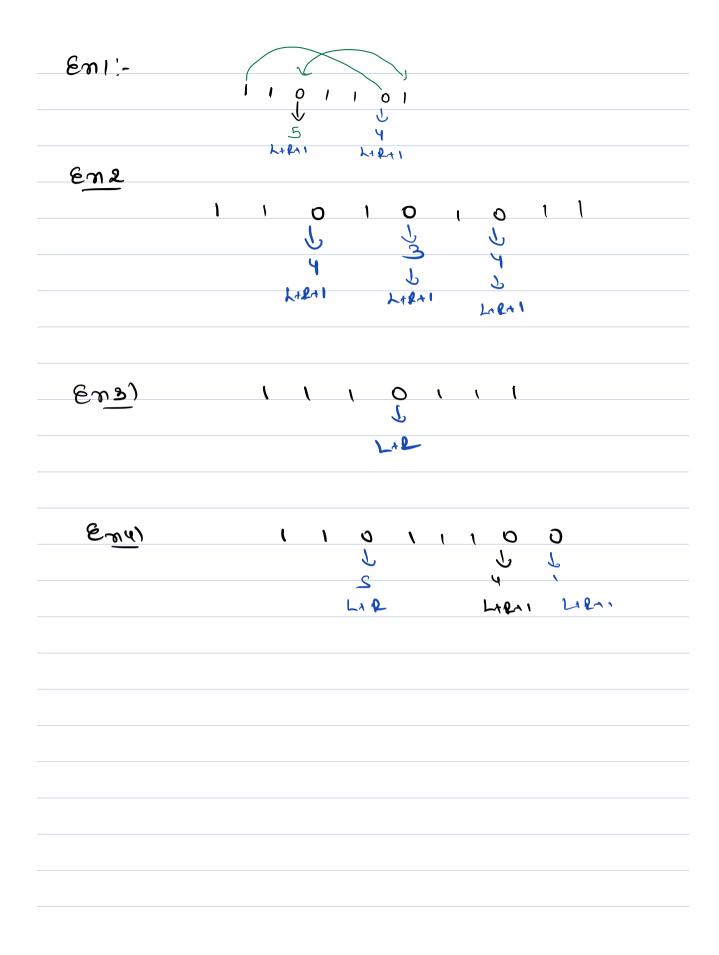
ans: max (ans, T);

2

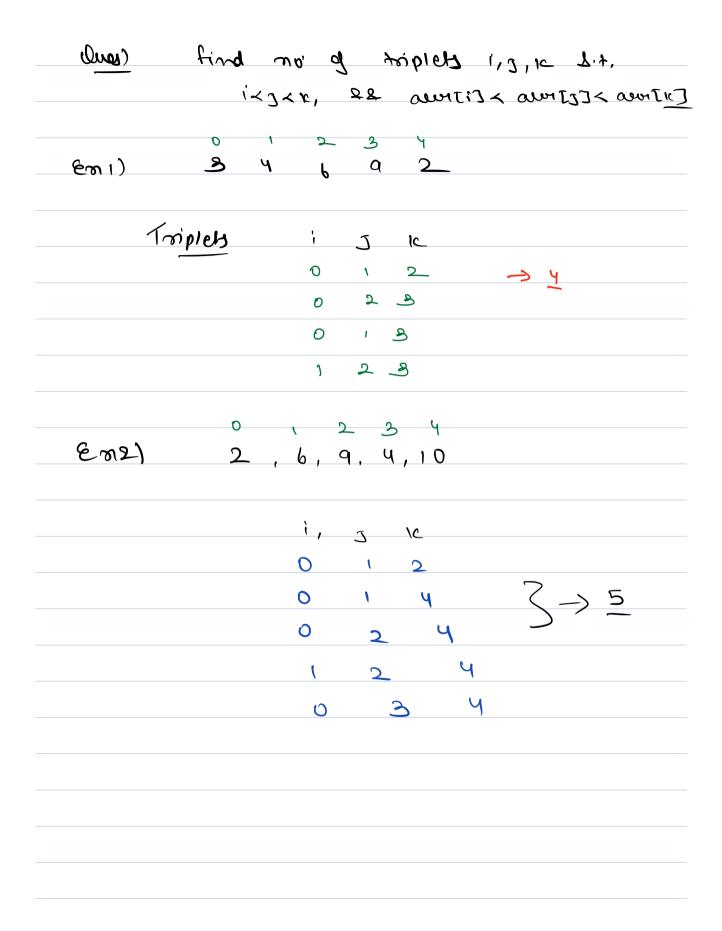
J.C > 0 (M²) X → T.C > 0 (M²) S.C → 0 (1)



get.



```
0~2 cm
119 Ferrale & get cout of 1's
 if (cn+==m) & return m3
for (1:0', ix N', ixx) &
     1 (auer Ci) = = 0) {
           J=0;
          (J=1-1,5>=0)5--) {
            1 if (aur [] ==1) & J++3
             else ( Break 3
           ~~0°.
           (J= i+1', J<m', J++) {
             Etto & (1== CLINOW)
              ehe & break?
            if (cm+> 1+2) {
              ans: max (any, J+8+1)
          3 etn 5
                 ans: max (my, 1+x)
               3
          3
               9:58-10:03 Smis prede
```



Brule force :for (i= 0', i< m', i+1) { for (J=i+1;JKm,J+1) & for (1c= 5+1', 1c< m', 1c+1) { ζ \mathcal{J} J.C > 0 (m3) S.C. O(1) 1 < 1 < 10 aurcij< aur [] < aur (] En 3 ! ^ 9 12 5 16 8 7 11 12

Cm+ =0',
for (z = 1 ') < m-1 ',] + 1) {
J is middle elemens,
legt: no ej element less than aur (5)
[1710]
right = no' of elements greater
En 01, 1+73, C73 north
cnt= cnt + (left * right)
T.C -3 O Cn2),
S.C → O(1),
Couplete Cade
Comprose of a
T.C > 0 m degn?
1) Balanced BIT
2) Jeament Tree

```
CM+ =0',
tox (2 = 1 /2 < m-1/2+1) &
  J is middle elemens,
      left=0'.
      for (1= 5-1', i>=0', i--) {
               if (aunti) < aunts])
                   left ++
       night = 0',
        for ( i= 3+1', i< m', i++) &
              (f (aur [1] > aur [2]))
                2 sight ++
          3
        cnt = cn+ + (left + right)
   3
           Profix is not famille.
```

Break :- 10:42: 10:80 pm

→ Defres class → weekend → weekend

Ques

- 18) Given N Amay elements replace every element
- artil with prod of all array elements encept itsuf
- -> You cannot I in your code?

$$(2n2)$$
 $(31, 6, 2, 33 -> 36)$ $(36, 6, 18, 12)$

Pseudo Code !-

for Ci=0', i<0', i++) &

left = Product of all elements
HII i-1

sight = freduct of all element

typis & fell = [1] bong

3

1. C > 0 cm²) 1. C > 0 (1)

PrP(CO) = aun(o)

Cisma+[1-12909 = [izyoq

$$T.C \Rightarrow (N+N+N) \Rightarrow O(N)$$

$$S.C \Rightarrow O(N)$$

150 60 15 15 5

