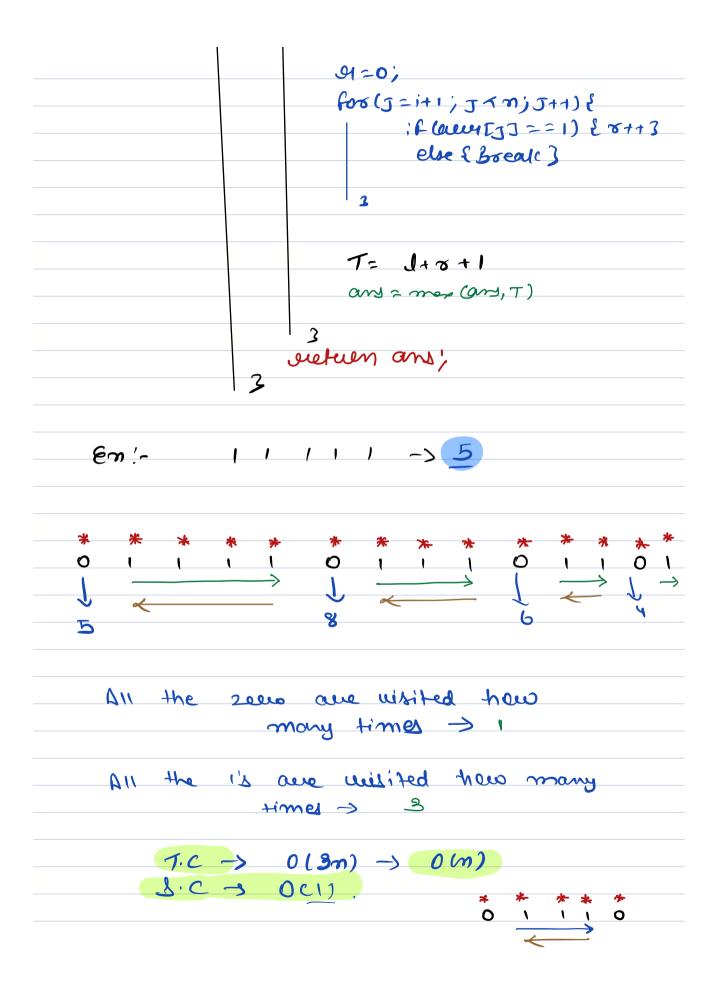
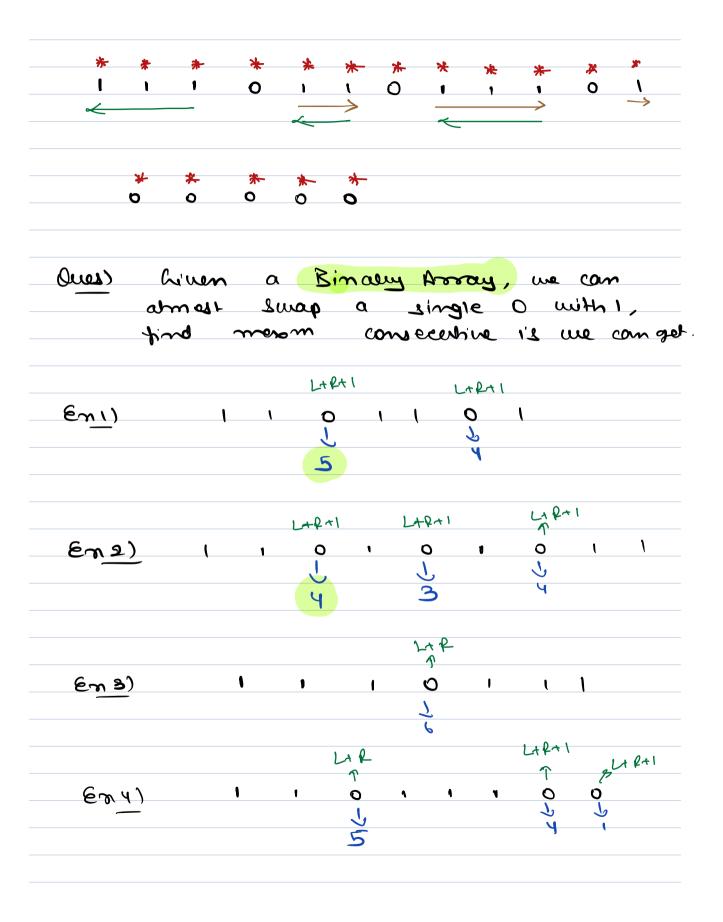
Today's	Agen	consecutive 1's.
	Mao	Consecutive 1's.

Ques)	More	consecution	ve 1's.		
			aviay, u	•	
h	iuen a	Binauy	aviay, u	e com	
	almost	replace	a single	0 with	1,
		•	consecutive		
	•			· <del>-</del>	
Em1)	0	) ) /	0 1 1	Ø 1	ı Ø
	$\tilde{r}$		6 1 1	<b>L</b>	<b>y</b> <b>3</b>
	4				
<u>En2</u>	1 1	101,	1 1 0 11	00111	0 11
	• ,	50	1 0 11	7 2	7
		0	·		
6m31-		1 26	1 1 0	0	1
<u>En3</u> !-	, ,	, ž	1 1 8	7	
		6	6		
マー	rule fa				
5°	we ra	9100			
		<b>v</b> = 0 ',			
	/	glerate &	get Count	9 13.	
	^		= n) { wetre	nms	
		08 (1:0,14%			
		;f (ov	4 [i] = = 0) {		
			J=0;		
			for (J=i-1;	J>=0;J	) {
			if Courts	72=17 & 44	13
			else { B	reak 3	
			\$		
		1 1			





```
ans = 0;
 119 terate & get Count of 1's.
  if lent = = n) { weturn n3
 for (1=0', 1<N', 1++) {
       if (auti) ==0) {
            J=0;
            for (J=1-1; J>=0; J--) &
             if (aut [37==1) {1+13
             else { Break}
            9120;
            for (j=1+1; T(m) J+1) {
                  : F (alus []] == 1) & 8++3
                   else { Break?}
              if (cn+> 1+0) &
                  ans = more (ans, (+ ++1) ;
               3 else ¿ ans= mor (ans, 1+0);
       return ans;
             T.C -> 0 (m);
              S.C → O(1)
              Break 9:53 - 10:10 pm
                    Mayouity > Democerary
```

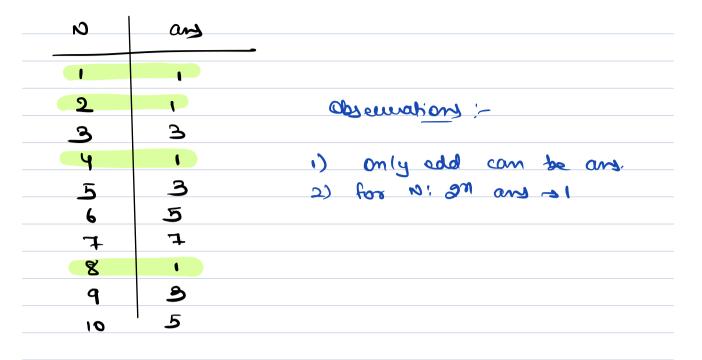


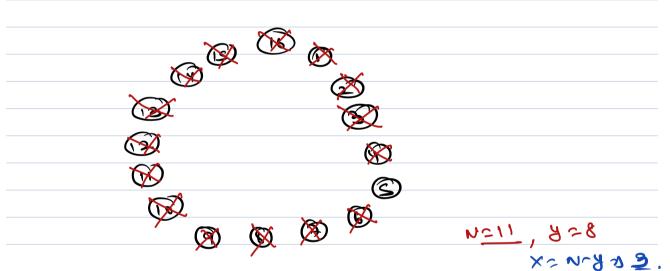
The only way out is through the Process. Josephus Problem: - > Croogle/Adobe. (lues) N=5 N=7

1

**X** 

N=8





lemaing Howhing though there

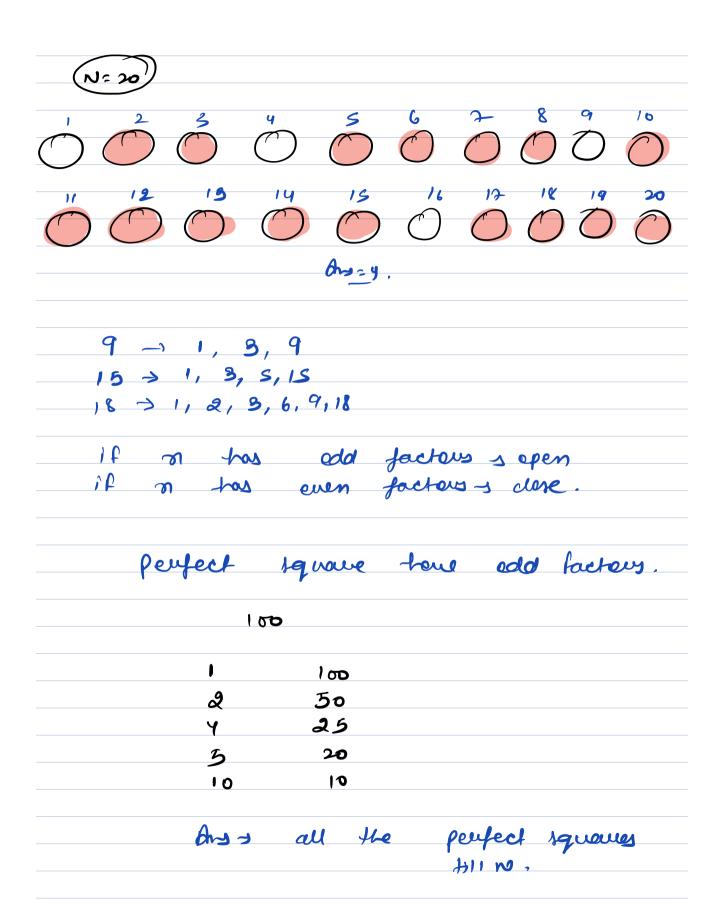
## N=13

	lemaing feaple	esite the state
	13	1
	12	3
<u>(9)</u>	( )	5
	10	ユ
	9	9
	8	(1

$$N, 1 = 3$$
 $N, 2 = 5$ 
 $N, 3, = 7$ 
 $N, x = 3x + 1$ ,  $\leftarrow$  Showhing place.

find the nearest pervey of 
$$2$$
  $< = N \rightarrow y$ .

N=19 CP = 1 while (cp<=n) } CP- CP+2 y = cp = cp. Tics dag my Ques) T200 J There are n doors. 9milially all are closed. All the doors having (as their multiple will get toggled. doors having 2 as their the AII multiple will get toggled. All the doors having 3 as their multiple will get toggled. Ans = 2



	N = 100	-3 1 to	100 3	how mary
	لى			tre ferfect
1 10	10			
		octuen	1987 U	<u>v)</u>
	1.C->	0 (JU)	>	O (log N)
		001,		
	3. (2)			binous
				Jeaven.