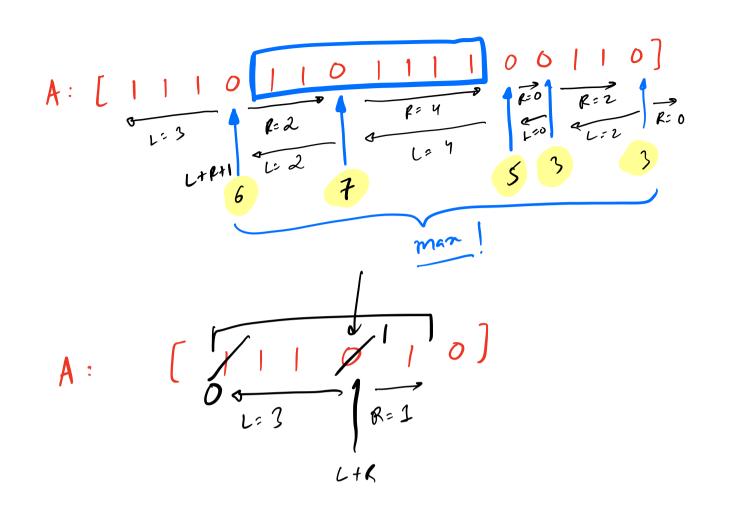
g Given a binong Arra! 50,13 We can ATMOST replace a O with a 1 from the orang!

Find the MAX consentive 1's we canget orang!

in the array! A: [ ] | 0 | 1 ] A: [110011010] OF Vaps



```
Cut One 2 0 j
     f ( i=0; i< N; i++) {
  if (A[i] == 1) cutom **;
}
     if (atom == N) {
ret N;
         f ( i=0; i < N; i++) {

if ( A(i) == 0) }
                          f(K=i-1; K7=0; K--)/
if(A[K]==1) L++;
else breek;
                        R=0;

f(K=it); K<N) K+r) f

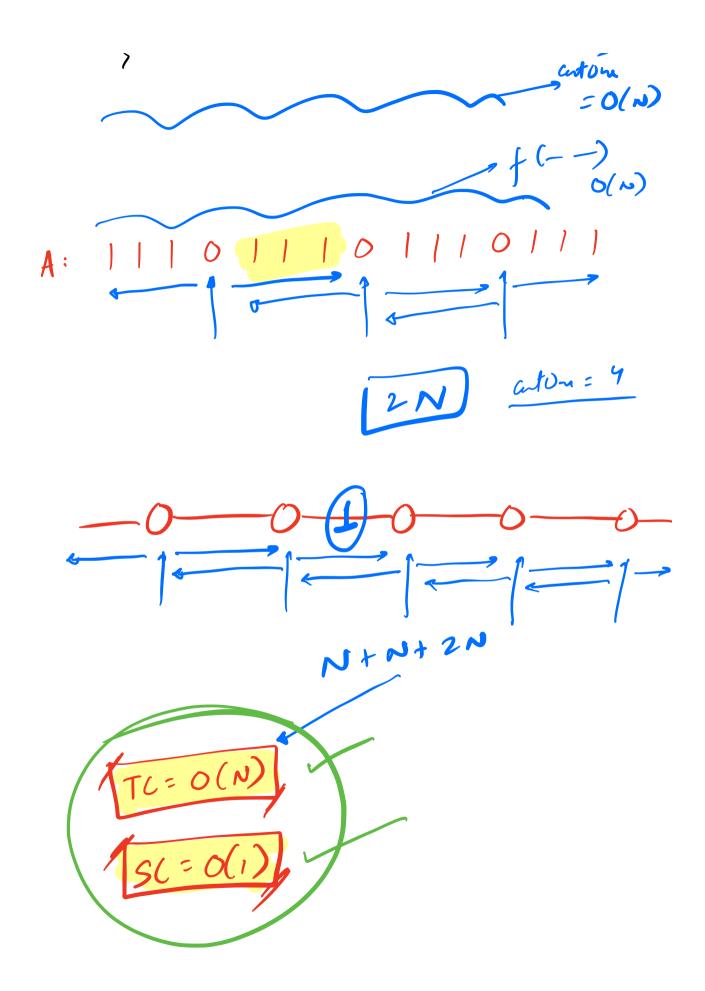
f(K=it); K<N) K+r) f

if(A(x)==1) R+t;

cln brok;

f(autom > L+R)

f(AN) = man(AN), L+R+1);
                    / R=0;
                        dn ANS= man (ANS, L+R);
```



I (given an erroy. (al. the no. of triplets(i); K)

(ix j x K)  $d L \left(A[i] < A[i] < A[K]\right)$ A:  $\binom{2}{5}\binom{2}{5}\binom{3}{4}\binom{9}{10}$ 

5//

f(i2 13 ix N-1; i++) {

L:0;

f(x:i-1; k7:0; x--) {

if(A(x) < A(i)) L++;

} }

{ (L==0) continu;

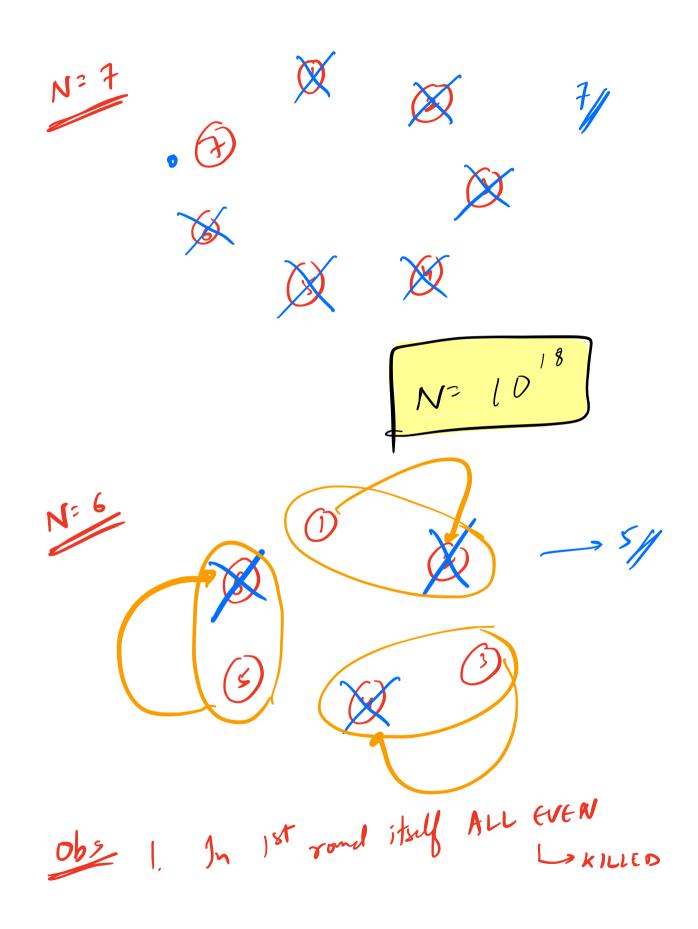
R=0

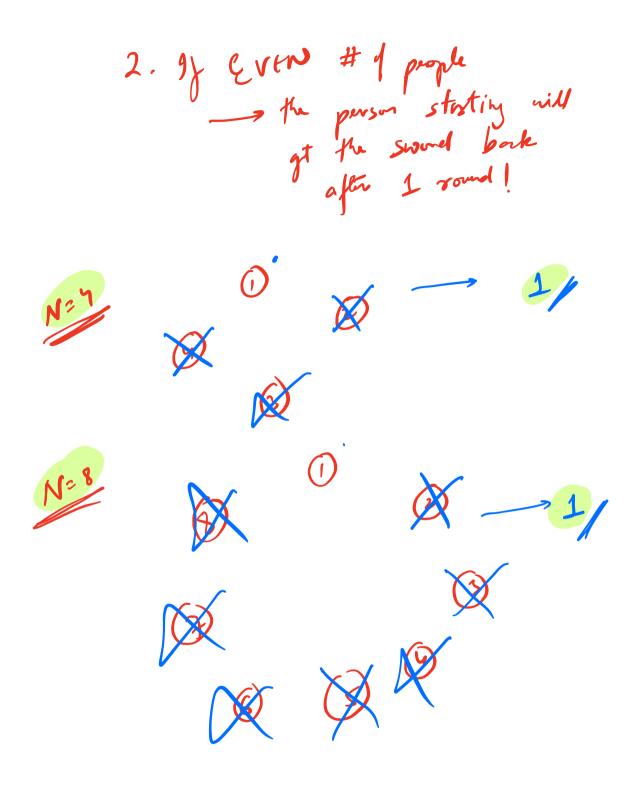
{ (K=i+1; K<N; K++)}

{ (K=i+1; K<N; K++)}

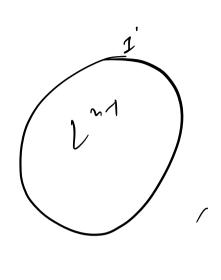
{ (K=i+1; K<N; K++)} ) ANS+=(LXP); ret ANSI

Josephus problem N people starting in a circle [1-N] jet pason would start. He has a knipe. - Kill the next alive person in clockwin direction. I poss for Knif to the next alive person? Kind the lot ALINE person!



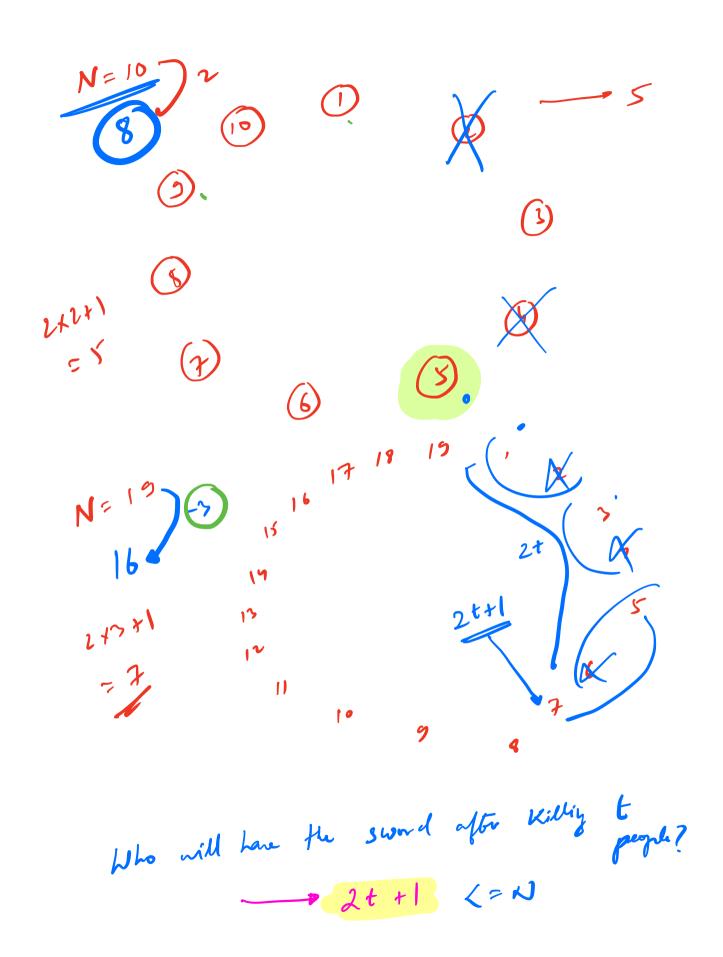


CASt: N = 2Sund  $N = 2^n - 1$   $2^{n-1} - 1$   $2^{n-1} - 1$ 



 $N = 16 \longrightarrow 1$   $8 \longrightarrow 1$   $9 \longrightarrow 1$   $2 \longrightarrow 1$   $1 \longrightarrow 1$ 

Oby: if 
$$N = 2^n$$
ANS — 1



Given N find the doset power of 2 <= N t = 31 - 16t = 15  $2t+1 = \frac{2 \times 15^{r} + 1}{= 31}$ N= 75+ 32 64 )6

TC=0(4N)

