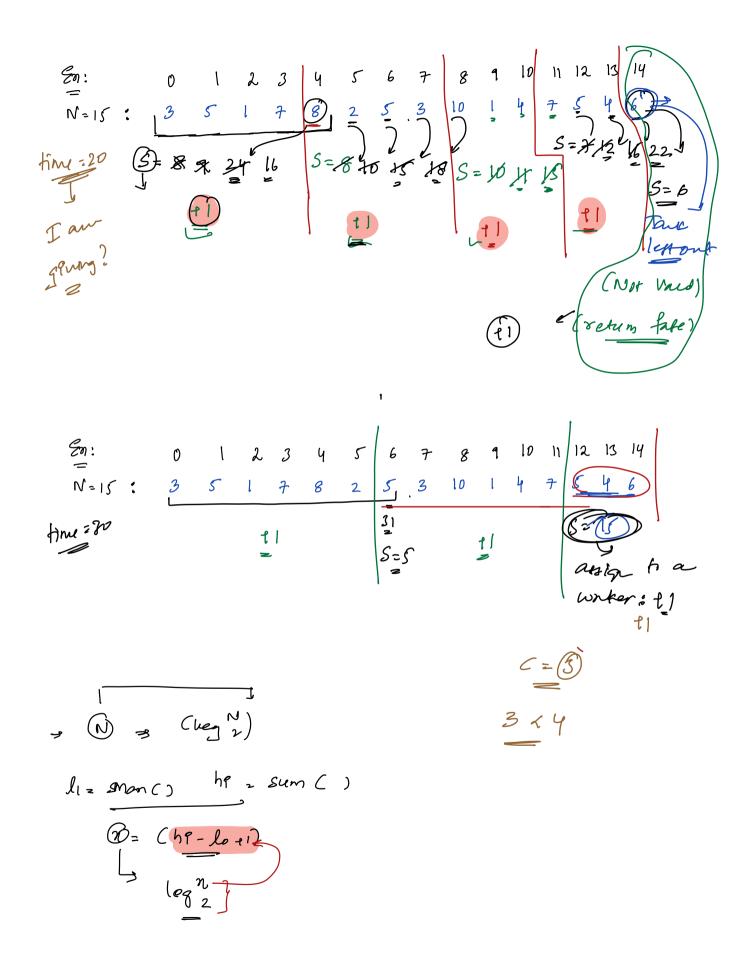
500 Given N taiks, k workers & the taken for each tout No Someng find min time in which we can complete are tacks. Note: A single worker can only do continous set of tasks? Notes: All workers Start their assigned tacky at same time Notes: A tack can only be assigned to a single person 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14] man of 3 5 1 7 8 2 5 3 10 1 4 7 5 4 6 ي ا ا K=2 $\frac{100}{100}$, $\frac{1}{3}$ ang $=\frac{104}{2}$ $\frac{52}{2}$ =En: _ 3 ans = 100 K=2 1 k=2 = k=10 :

bool check (9nt thme, int ar(), ent N, ent k) { S=0, C=0 $S=0; R \times N; R+1)$ { S=S+ax[R]if (S>time) { C+R; S=ax[R]}

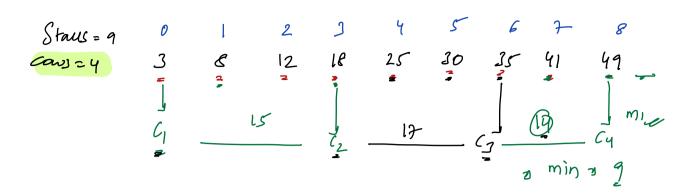
if (S=0) { C+R; S=ax[R]}

if (S=0) { C+R; S=ax[R]}

else { S=0 { S=0 { S=0} { S=0}



20) Given N Cows & M Staus, au M Staus arc m M-angs at different locations. Place all N Cows outs a way min distance between any 2 cows is manninged Note: In a Stay only I cow can be present Notes: All Caus han to be placed. (Stare () SMEd) ह्याः 0 1 2 3 Staus = 5 1 2 4 8 Cave = 3 $C_1 - \frac{1}{2} C_2 - \frac{2}{3}$: $\frac{1}{2}$ $\frac{c_1}{2}$ $\frac{p^3}{2}$ $\frac{c_2}{2}$ $\frac{5}{2}$ $\frac{5}{2}$ En2: Staus=9 2 6 11 14 19 25 30 39 43] Cows = 4 C1 4 C2 5 C3 3 C4



Attent 20 derrana between 2 cows * 21 22 23 24 25 -

7 = 8

Attent 8 diAma between 200000

4 5 6 7 8

Tourget: mander

Search Space: [Plin adj last-form]

diff

Drude 2 harf q descard

Bs

lo: hi mild

y 46 25 h= mild-1

y 24 14 ans= 14

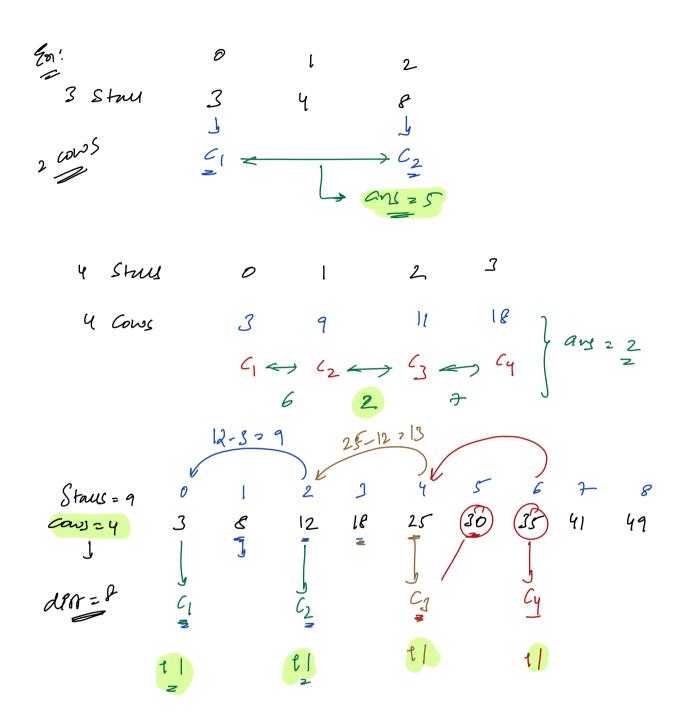
1= mild-1

15 24 19 h= mild-1

15 18 16 h= mild-1

15 18 16 h= mild-1

15 14 {break}



```
11 Pseudo Code:
                                             The ( lo \times = hf) is lo \times = hf) if lo \times = hf) is loght = (lo + hi)/2 min destroy plan from loght = (lo + hi)/2 min destroy plan from loght = (lo + hi)/2 min destroy plan from loght = (lo + hi)/2 is loght = (loght)/2 if ( wheak (med, ar(1, N, C)) and if loght = (loght)/2 is loght = (loght)/2 and loght = (loght)/2 and loght = (loght)/2 is loght = (loght)/2 and loght = (loght)/2 is loght = (loght)/2 in loght = (loght)/2 in loght = (loght)/2 is loght = (loght)/2 in loght = (loght)/2 in loght = (loght)/2 is loght = (loght)/2 in lo
                       lo= ( diff) h= (lar-firm) ans=
                           while ( lo x = hi) &
                                                                     ans = mrd; five can affect place at mid drown)
             return any
       bool chank ( dls, arr), N, cows)
                                         larrow = 4[0] (=1
                                                 P= 1; P< N; P+1)~
                                                                               if ( A[9] - lartow > = des) {

| I have an place here

lartow = A[9] cre

if (c== cons) fretum Ton)
}
```

return fala

(Bay ordan)