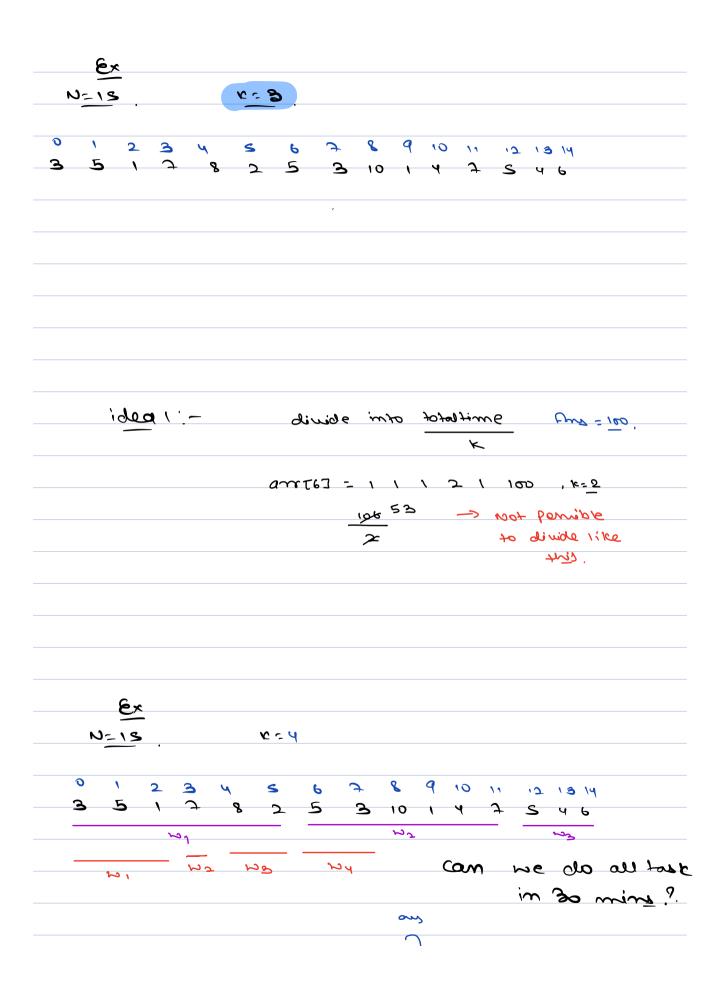
Todo	y's Content
	3 3 00/1-
	Paintere Paulition
	Painteeus Paulition Agnessiue cous.
	Agresive cows.

Painteey Paulition Problem.
0 vez
ne have to paint n boards of
length A,, Az Am. There are K
pointers available and each takes I unit of
time to paint 1 unit 9 board.
find min time to get the sob clone.
-> I painten will paint only continuous
Sections of the board.
9
e.g.) A= {10,10, 10,103 time >> 20
$\mathbf{k} = 2$
κ
e.g2) A = \$10, 20, 30, 403 time => 60
P P P P L J.
<u>L</u> 40



Can se finish all tasks in 10 min * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *				30 to	30 31 1944	<u>52</u>	
Street True. The street True.	Can	we	finish	w w	tasks	in	in 01
Touget: - min time to get the Job done Search I pace: - was of Array			* < x	×	their of		
Touget: - min time to get the Job done. Search I pace: - was of Array							
Touget: - min time to get the Job done. 1097 Search I pace: - 20 - Man of Array	<u></u> t	8 0	1 10		30	1 1 3, 3	2 3
Search I pace: - was of Array	×	×	× ×				
hi -> Im of theray.	Taere		min +	ime to			
		jet:-				108 w	
		jet:-		د مل	Man of A	read 108 v	
		jet:-		د مل	Man of A	read 108 v	
		jet:-		د مل	Man of A	read 108 v	
		jet:-		د مل	Man of A	read 108 v	
		jet:-		د مل	Man of A	read 108 v	

N=18.

3 5 1 7	8 2 5 <u>3</u>		
20,	12 2 m		12 Ny
	~~	~~ <u>~</u>	——————————————————————————————————————
~ · ~ ·	n ₂	∿ვ	204
<i>1</i> ∞ ,	<i>~</i> 2		ممر
~ · · · · ·	. — <u>~~</u>	– ————————————————————————————————————	204

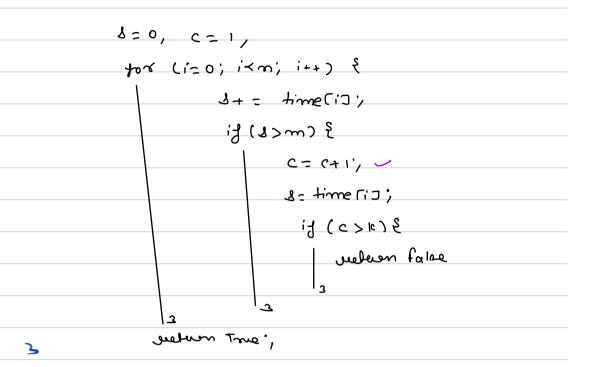
مل	hi	mid	
10	チ /	40	Des = 40, goto lest
10	39	24	Bro = 24, so to left
10	23	16	usin otos
/#	ブヌ	プロ	this stop
21	J 3	23	Ora = 22, 80 to 1914
21	51	21	so to right.
22	21	Dr. e	ak .

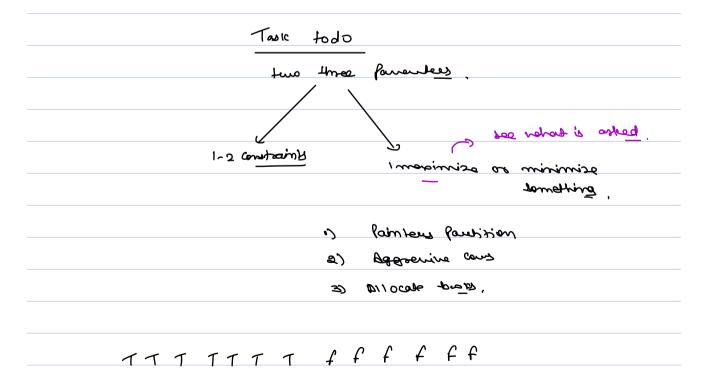
Pseudo Cade: - Binony souch on Answer int woulders (int time[], int n, int t) & lo = max (arr), ti = lum of (aux) aus = ti, while (lox = Ai) & m= lo+ (ti-lo) if (check (m, time, m, k)) ? elre & 1+m=0 nester ans; 3 0 (leg (Jumg aur - mas gars) x m + m Dos of mos Jum

3 5 1 2 3 4 5 6 7 8 9 10 11 12 13 14 3 5 1 7 8 2 5 3 10 1 4 7 5 4 6

K = 4

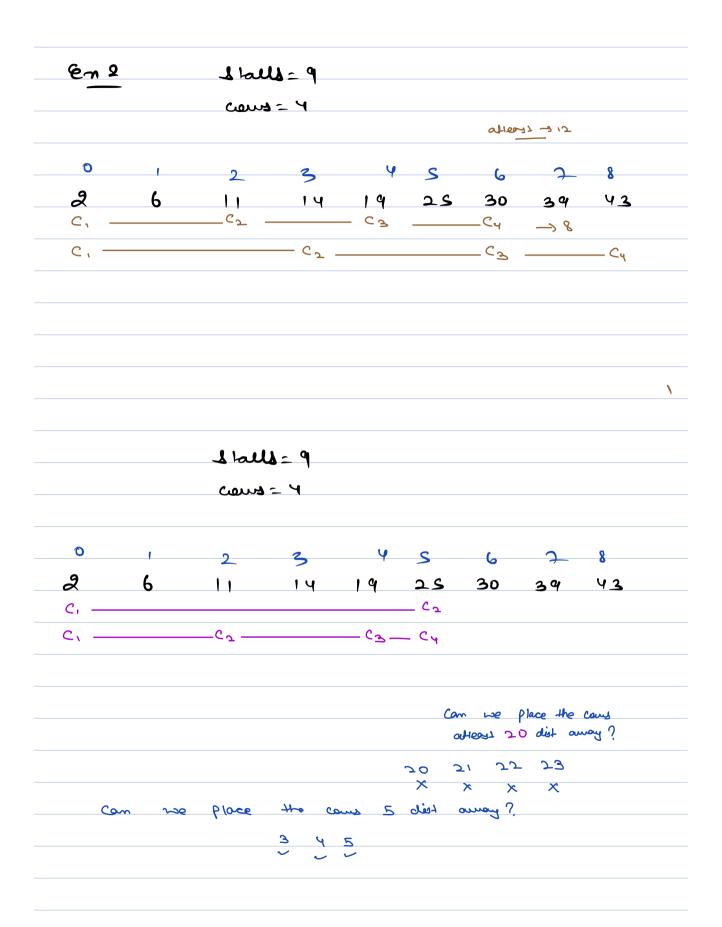
bool check (int m, int time(), int m, int x)





fff fff ff trrrrr

Ques) auen n cous & m stalls, all m stalls are on x asis at diff. locations, place all N cours such a way that min dist be any I carry is Manimized. Note !:- In a stall only one cow can be present. Note 2:- All come have to be placed. Min dis Ex 1.'-2 4 CB CI C_2 c - 3 CZ C_1 C3 3 C2 C3 aliens I dies among



3 4 5 6 20 21 22
1 1 1 1 t t t t t t t t t t t t t t t t
TTTTTT FFT
TTTTT Ffr
1007 1100
Target -> least dist bin 2 cans should be man.
Jearch Space ->
Secret 1 Space ->
io > lim diff tomo ody colls.
ti → a[m-1] - a[o]
come = 4
- T

0	1	2	3	Ψ	S	6	7	8
2	6	1.1	14			30	39	43
<u> </u>			_		\rightarrow c_2			C
- 1 —			C ₂			C3		——С4
c, — c, —				- C ₂ -			— Сз — Сз	
c,				- 62 -			ڪ ر ^چ	
				- 02				
		1.						
<u></u>	•	41 41	ന്ന				1-1-	
3			22				o <u>18</u> 4 .	
3		۵۱	ا گ		on	4 = 12,	goto rigt	<u> </u>
18		a 1	17			9060	થિ .	
18		1.6	14			90	क १८४	
1 2	>	18	۱ ع			got	० भिभ	
ا ع	S	۱ 2		greek				

Pseudo Code: - O(n/eg (hi-lo)) int moo (int dister, int w. inte) & do = min adj dist in dist [] ti = arr[n-17- aux[0]', aus - 0', while (b< = ti) & (w-jv) + db = m if (check (m, dist, m, ()) & on = w, 1+m:al eine & 4= m-1; 2 ا seturn ans;

	Columb =	9 .				w=12	2 6	-2	
0	1	2	3	Y	S	6	7	8	
2	6	1.1	14	19	25	30	34	43	
ر المحمد			6pco	<u>ø</u> ,					

int com	·) {
lest_placed = dist[0]',	
Count = 1',	
for (i=1; i <n; i++)="" td="" {<=""><td></td></n;>	
if (dist (i] - lest_placed >=m)	દ્
C= C+1',	
last-placed: dist(i);	
if (c = = comp) &	
ueleen True',	
ع	
_3	
3	
rection false;	

Monotonic nature	
La froblem	is fearible till a contain
Point &	after it is not,
	osi vice versa