



## Day-3

Problem-1:  
Allocate minimum number of pages

Pages  $\{12, 34, 67, 90\}$

$m = 2$  // students

output: 113

} Not getting  
anything by taking  
help from  
placement prep by  
"Mayank" }

// In this problem first thing  
is find contiguous pages

// Second thing find outer bound/  
upper bound.

// make for recursive Allocate ( )

Remarks while traversing check if  
 $arr[i] + pages > mid \rightarrow cnt++$   
 $pages = arr[i]$





else

pages += arr[i]

// second from find page ( )

// for this by using BS we find a page of distribution.

// Base condition

$m > n \rightarrow (-1)$

// while ( $l \leq h$ )

if (canCheckAll (a...))

$h = mid - 1$

else

$l = mid + 1$

return  $l$

Remarks



Date \_\_/\_\_/\_\_



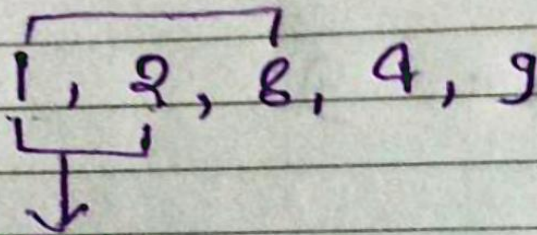
## Problem-8: Aggressive cows

$$N = 5$$

$$C = 3$$

$$\text{arr}[i] = \{1, 2, 8, 4, 9\}$$

// taking help from "Placement prep by Mayank" youtube videos.



dis b/w 1 and 8 is 7 so not put cow there

dis b/w 1 and 8 is 7 so we can choose this like that approach we apply.

// Same as allocation minimum number of pages and there we find maximum of distance we choose.

Remarks





// make for check ( )

// check cond<sup>n</sup> of (arrows) - pre >= mid)

// using BS find mid and  
check for check for validation.

Remarks \_\_\_\_\_