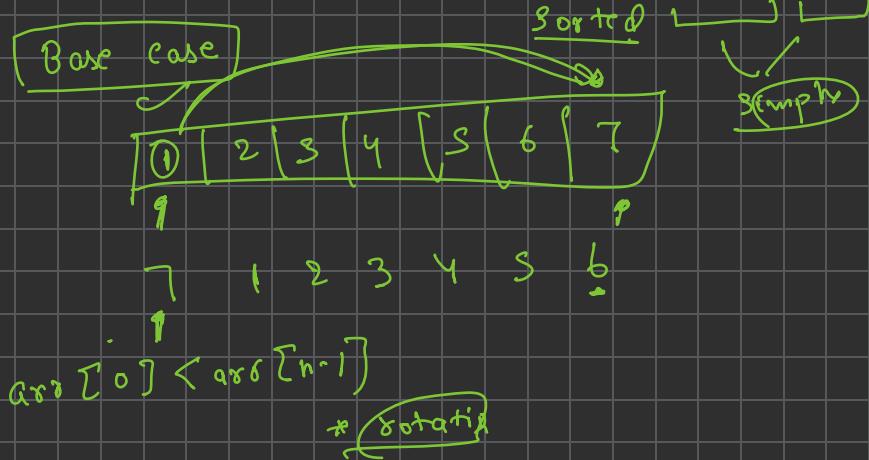
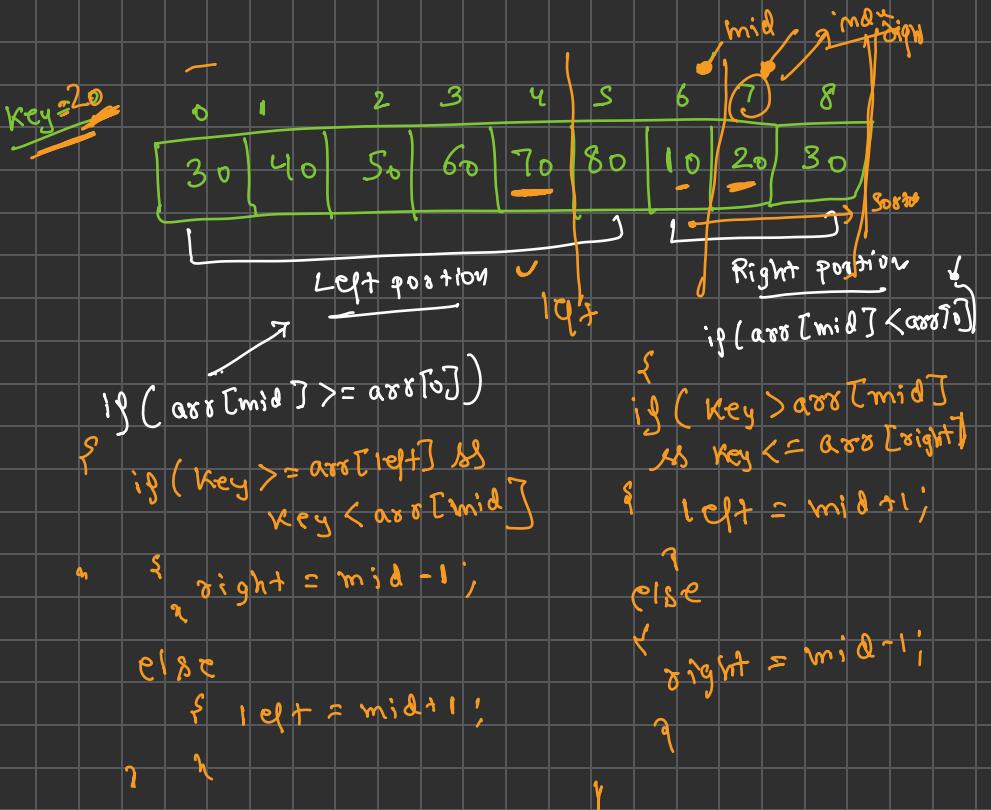
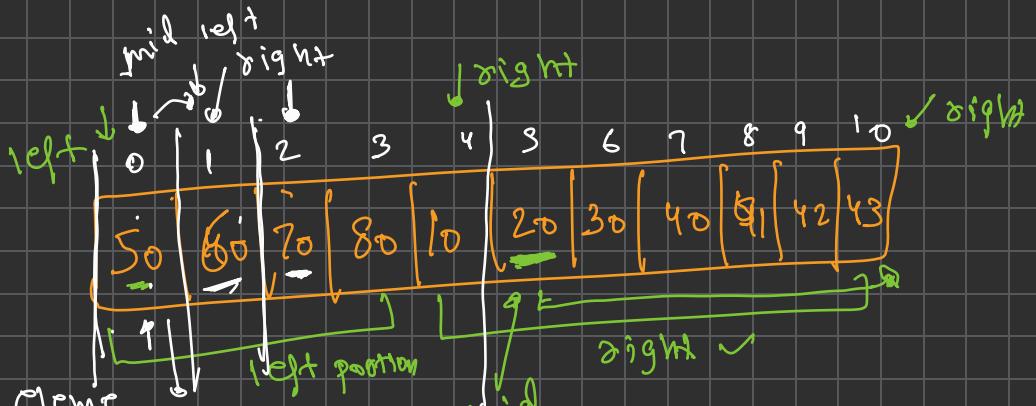


① if Left portion
[move to right side]

Element note down





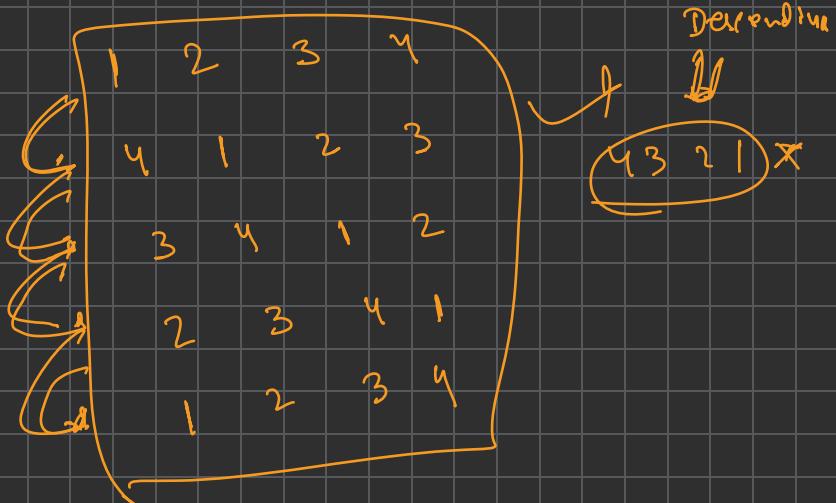
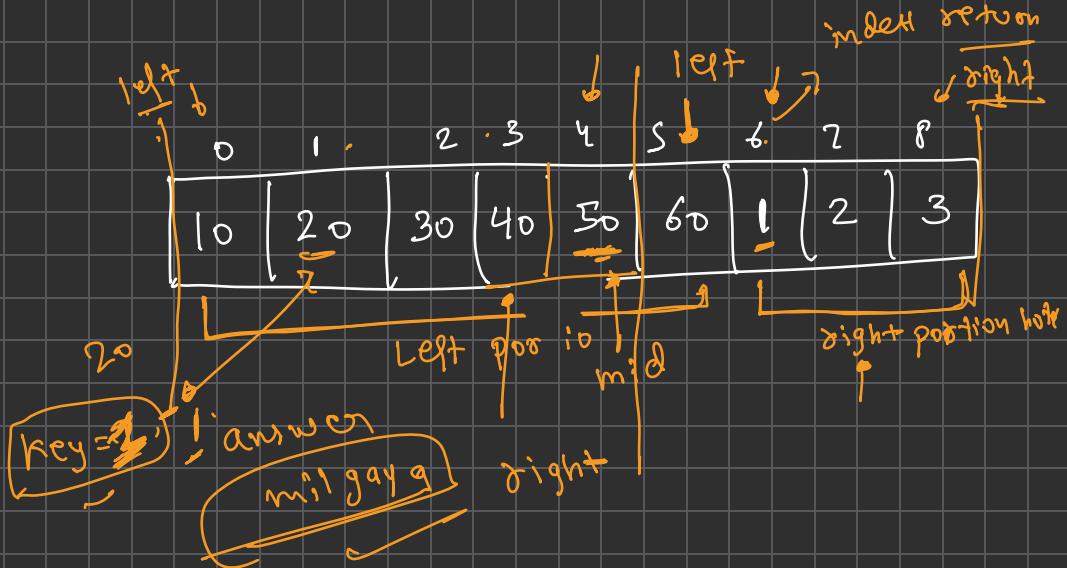


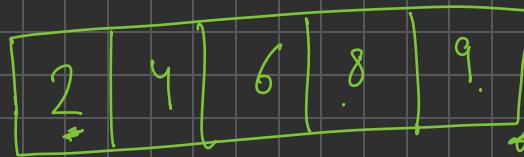
Clpmc
Key = 60 \Rightarrow [answer]

$\{ S_0 \leq 60 \wedge S_0 > 60 \}$

↑ left ✓

mid ↑



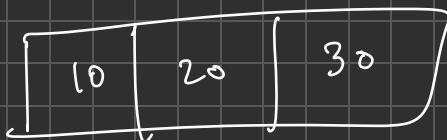


$K = 8$ 5

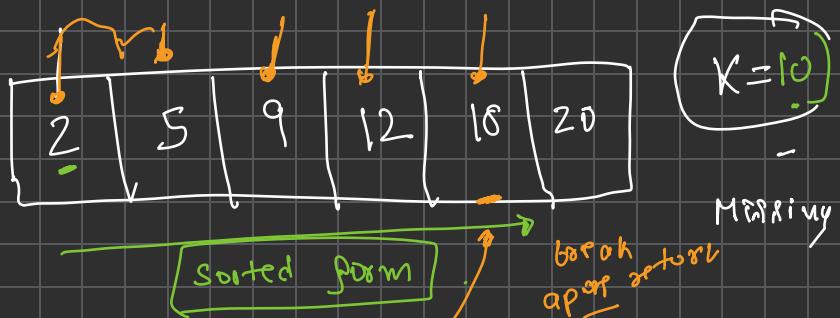
↓
sorted
pop

1 2 3 4 5 6 7 8 9 10

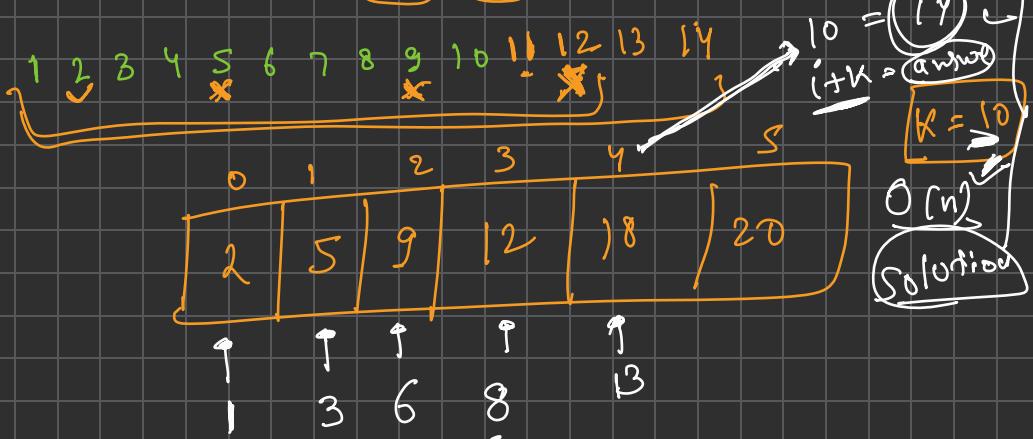
$K = 15$



1 2 3 4 5 6 7 8 9 10
11 12 13 14 15 16



$$\text{num} = 10 \text{ } 11 \text{ } 12 \text{ } 13 \text{ } 14$$



$\alpha_{88} =$

0	1	2	3	4	5	$i+k$
2	5	9	12	18	20	
1	3	6	8	13	14	

$$k = 10$$

$$18 - (4+1) \\ = 13$$

$$\text{[total missing} = \frac{\alpha_{88}[i] - (i+k)}{=}]$$

$$\alpha_{88}[i] + (10-8)$$

$$\alpha_{88}[i] \times (k = (\alpha_{88}[i] - (i+k))$$

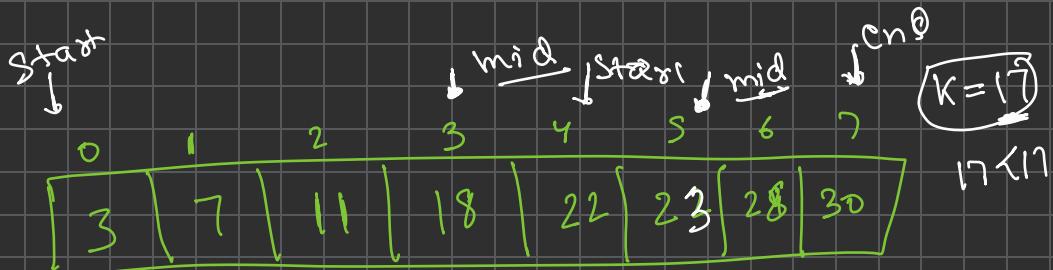
$$k + (j+1)$$

$$[(i+k)] \checkmark$$

$$k = 10$$

1	2	3	4	5

$$S \in 10 \subset \{1, 5\}$$



$\text{if } (\text{arr}[\text{mid}] - (\text{mid} + 1) < \text{K})$
 $\quad \quad \quad \text{start} = \text{mid} + 1;$

$\text{else } \{$
 $\quad \quad \quad \text{and} = \text{mid};$
 $\quad \quad \quad \text{right} = \text{mid} - 1;$
 $\quad \quad \quad \}$

① Every student, should rec at 1 book

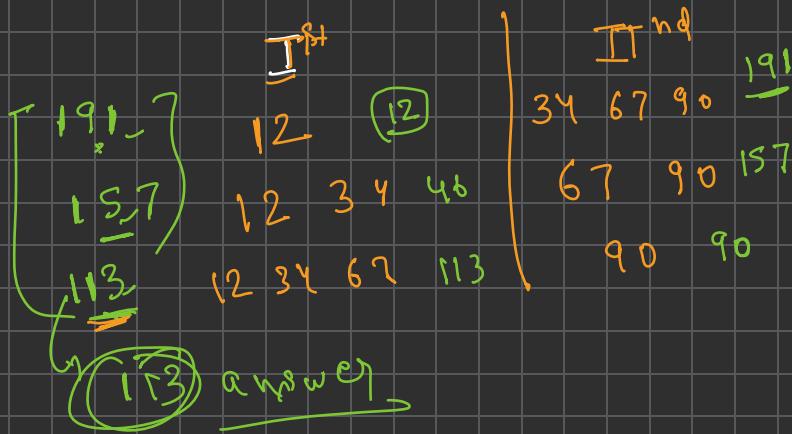
② Contiguous:

0	1	2	3
12	34	67	90

Ques \rightarrow

$$K=2$$

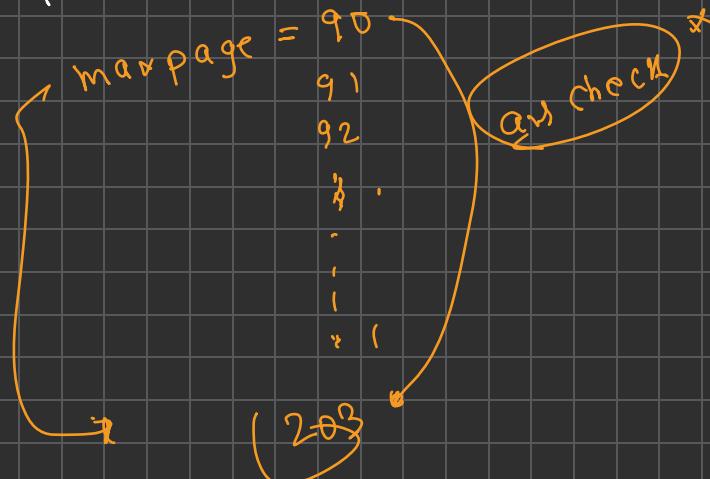
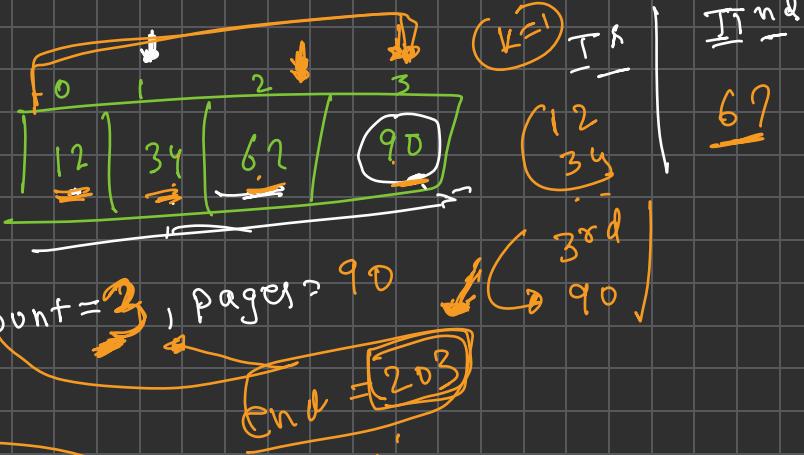
↑
number

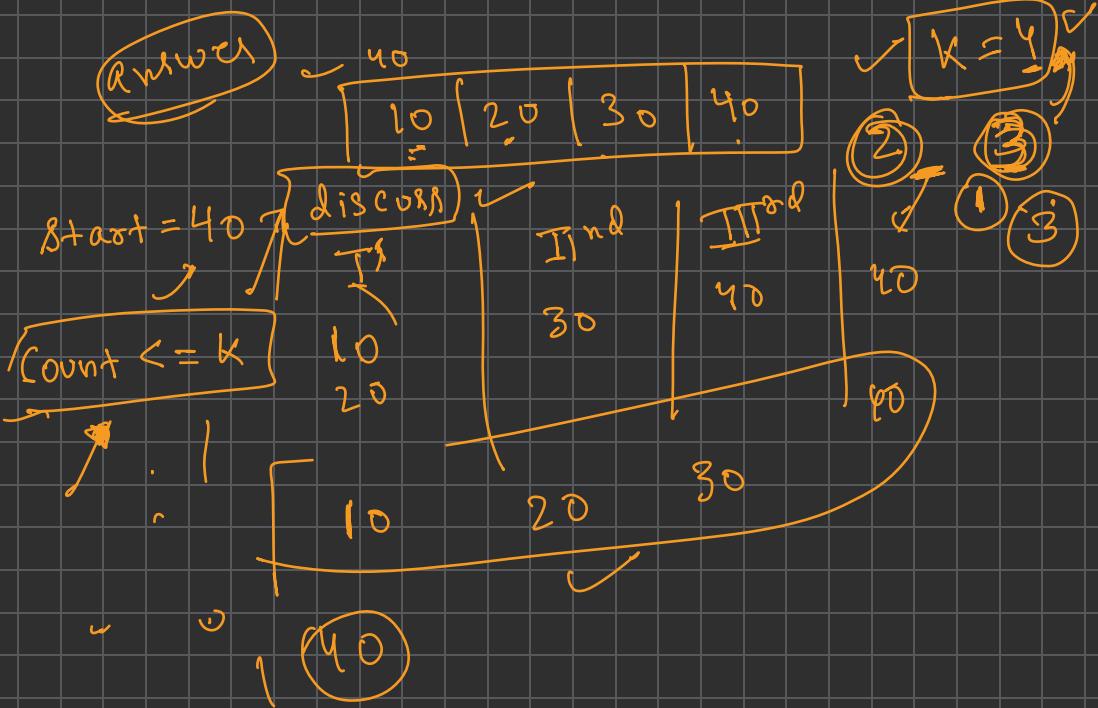
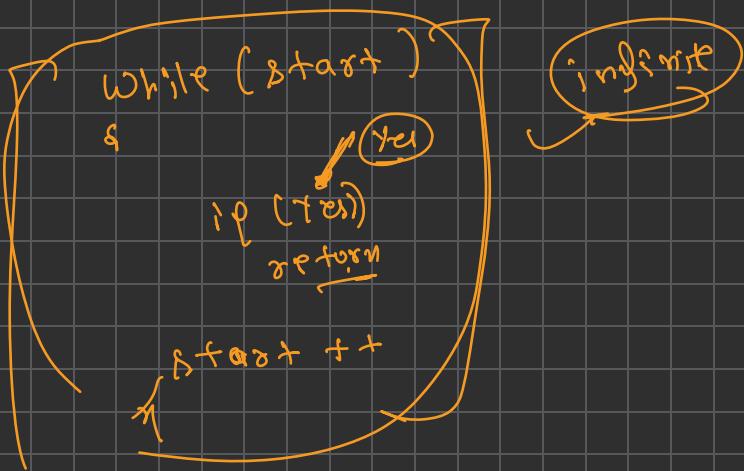


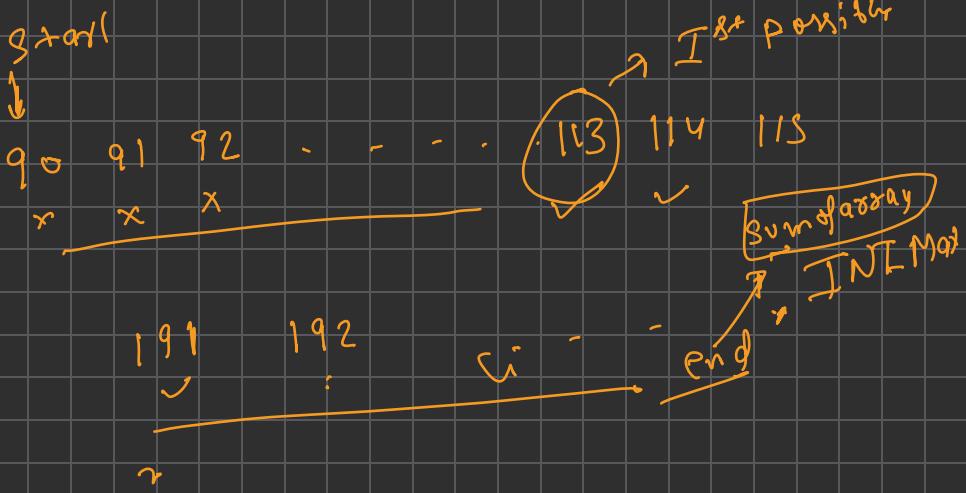
$K = 2$
 Maxpages
 110
 $13 > 110$
 467^0
 $157 > 110$
 $\{ \}$

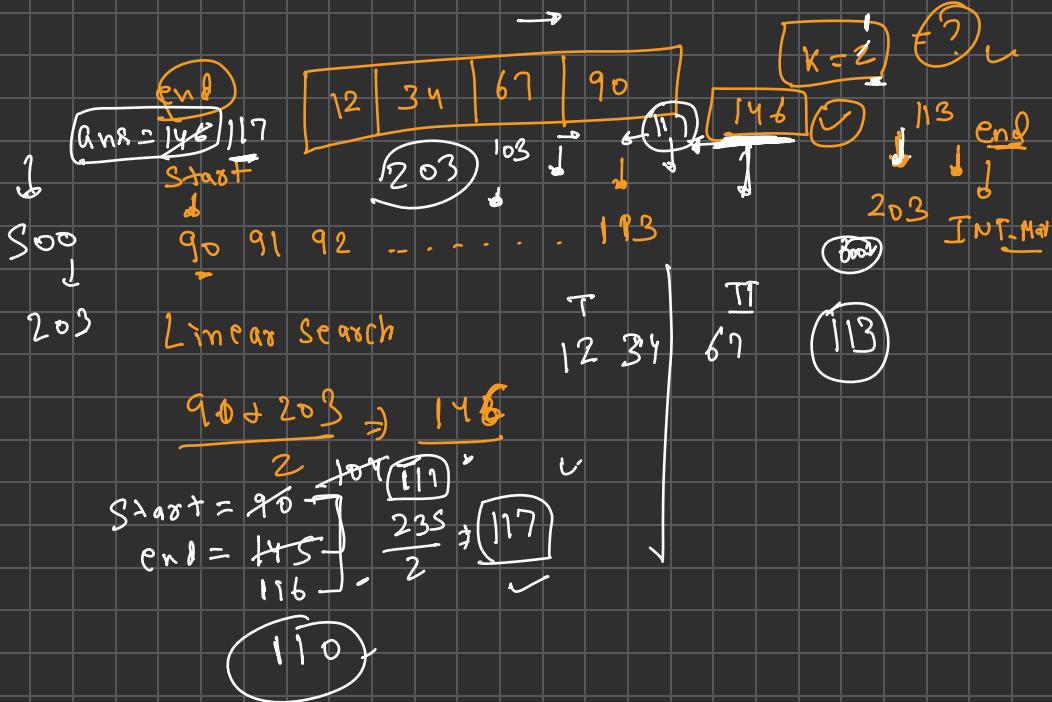
```

for(i=1; i<n; i++)
{
    pages += arr[i];
    if(pages > maxPages)
    {
        count++;
        pages = arr[i];
    }
}
    
```









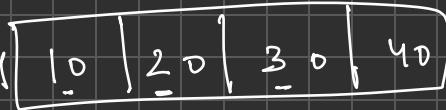
90 91 92 93 . . . 112 113 114 115 .
 x x x x x x ✓ ✓ ✓

203
 INT. Max = ?
 $3^2 - 1$

ans = pos

ans =

sy



(70)

$K=3$

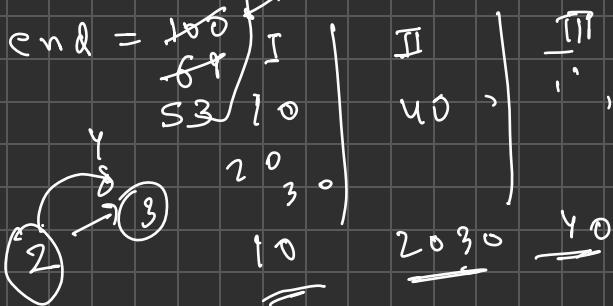
4

end = mid - 1

start = 40

mid = 70

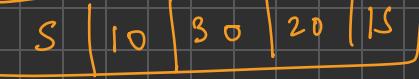
allocation
possibility



1

30

35



$K=3$

↑

3 point

2

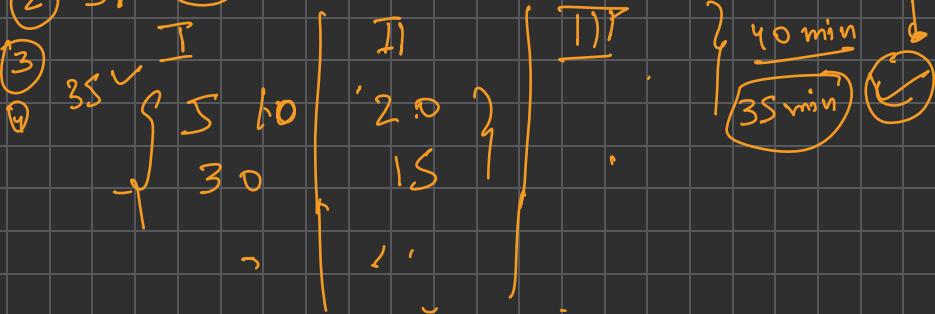
31

3

I

4

35



Start

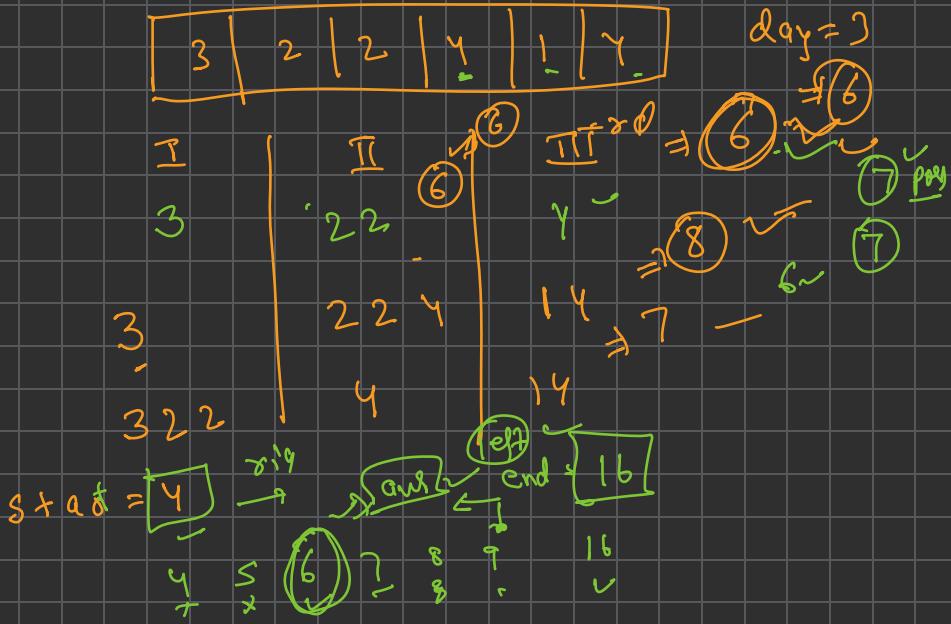
30 31 32 33 35
✗ ✗ ✗ ✓

10

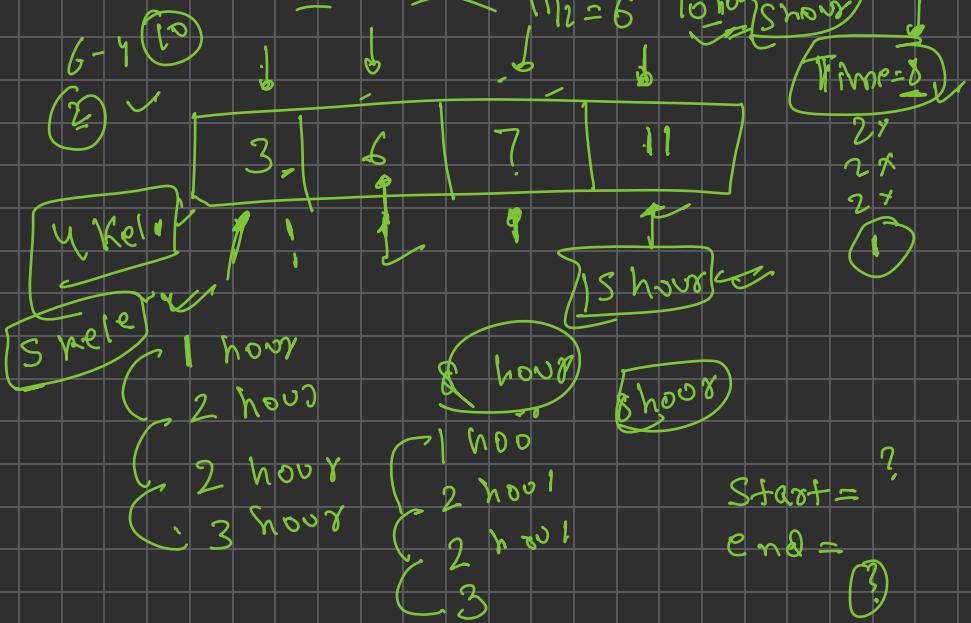
80

$$\frac{110}{2} = (55)$$

$$\text{ans} = 55$$

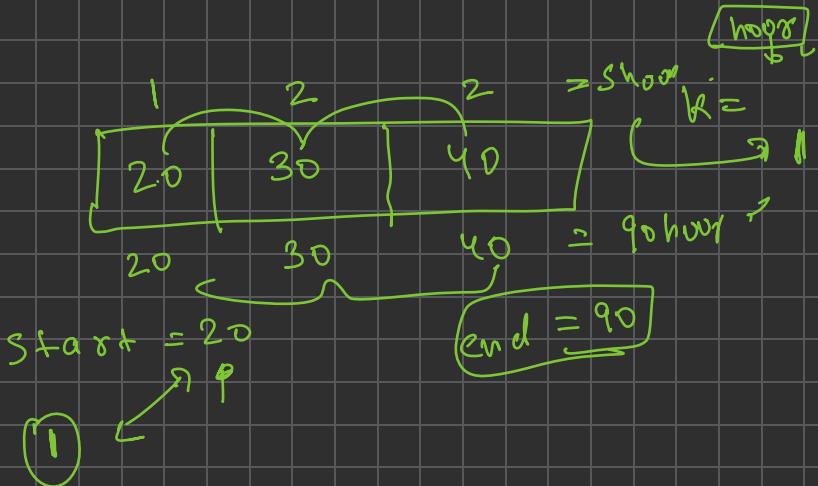


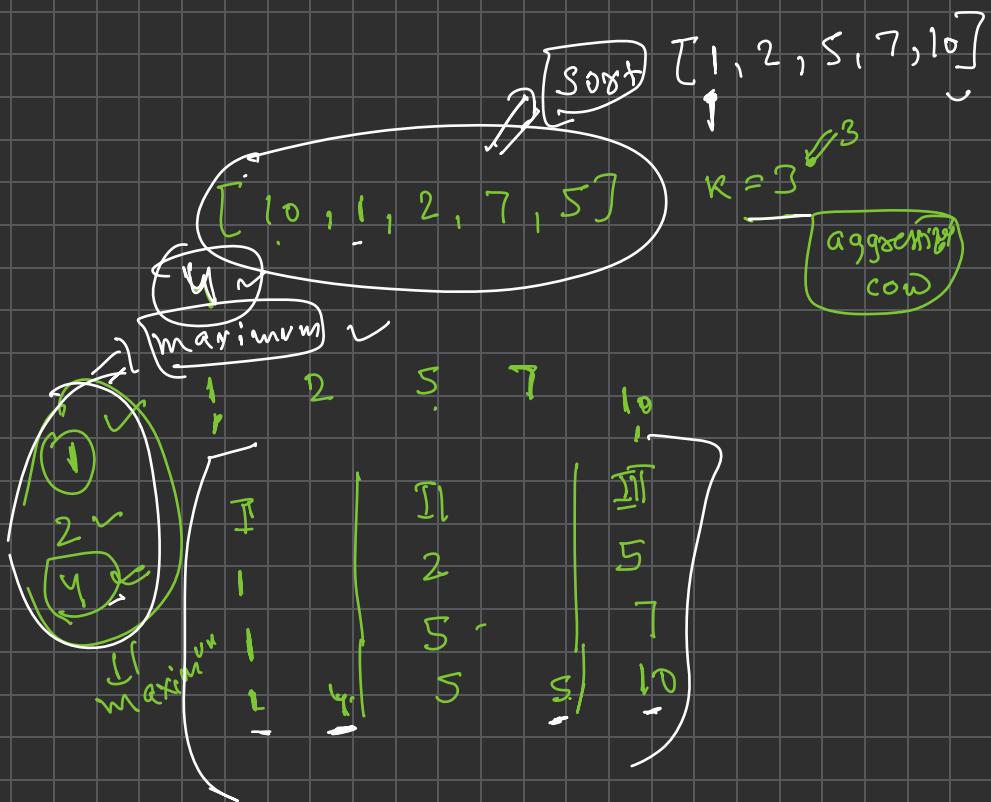
$$\max \text{ spread} = 2^k \cdot 6/2 = 3 \quad 3/2 = 1 \rightarrow \text{total}$$



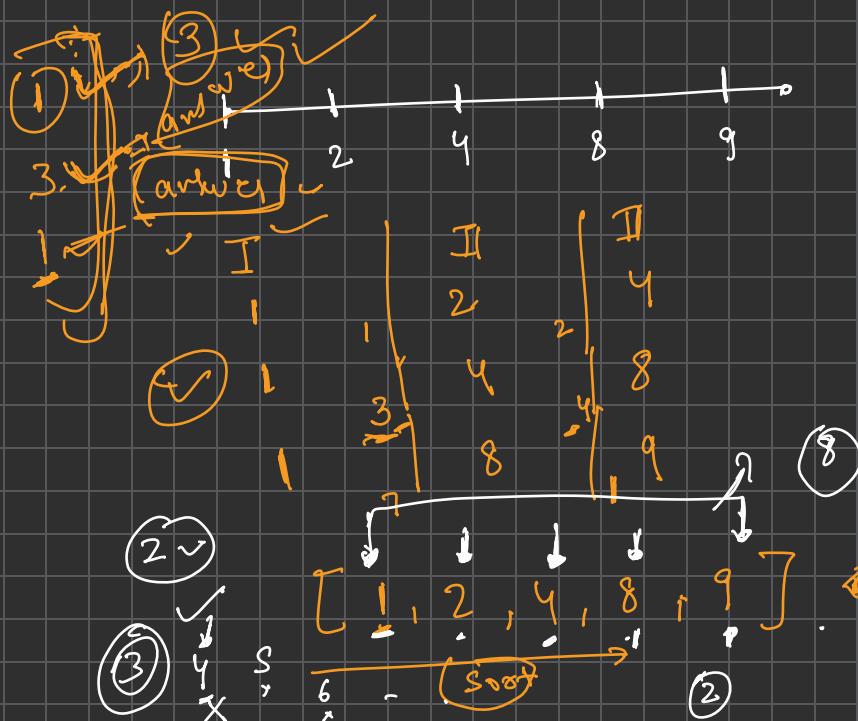
Start = ?
end = (?)



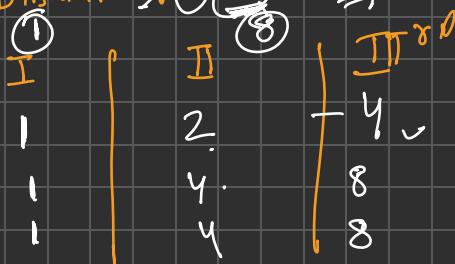




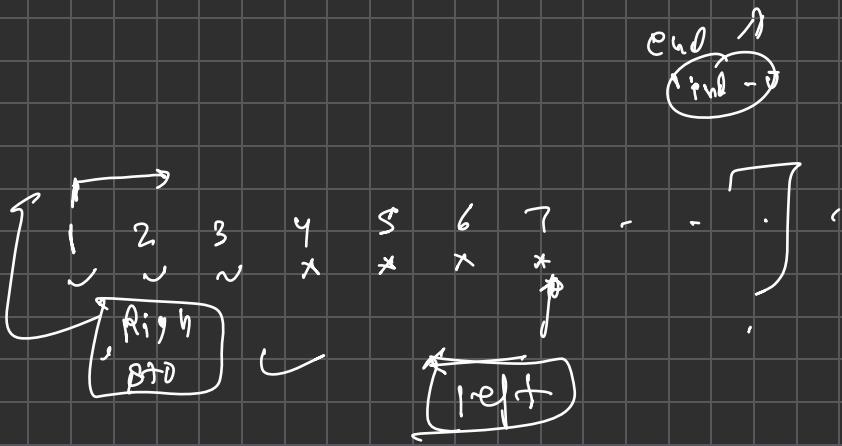
$$[1, 2, 4, 8, 9] \quad K=3$$



minimum Distance = 3 \Rightarrow



$$K=2$$



$start = 1$
 $end = ?$