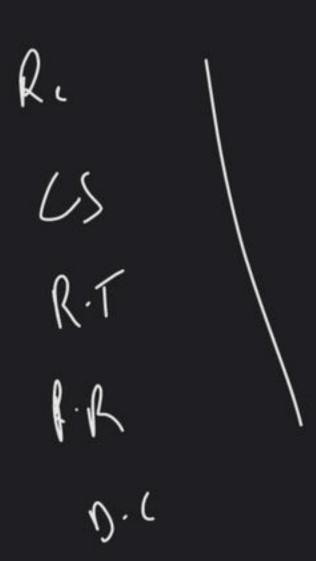
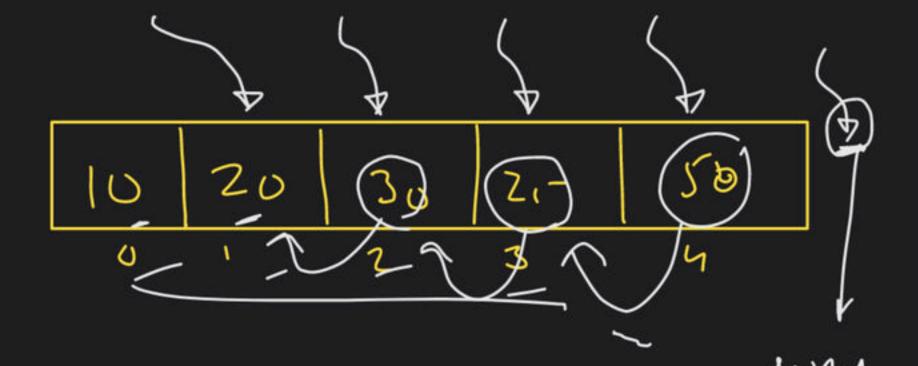
## Recursion - Level 3

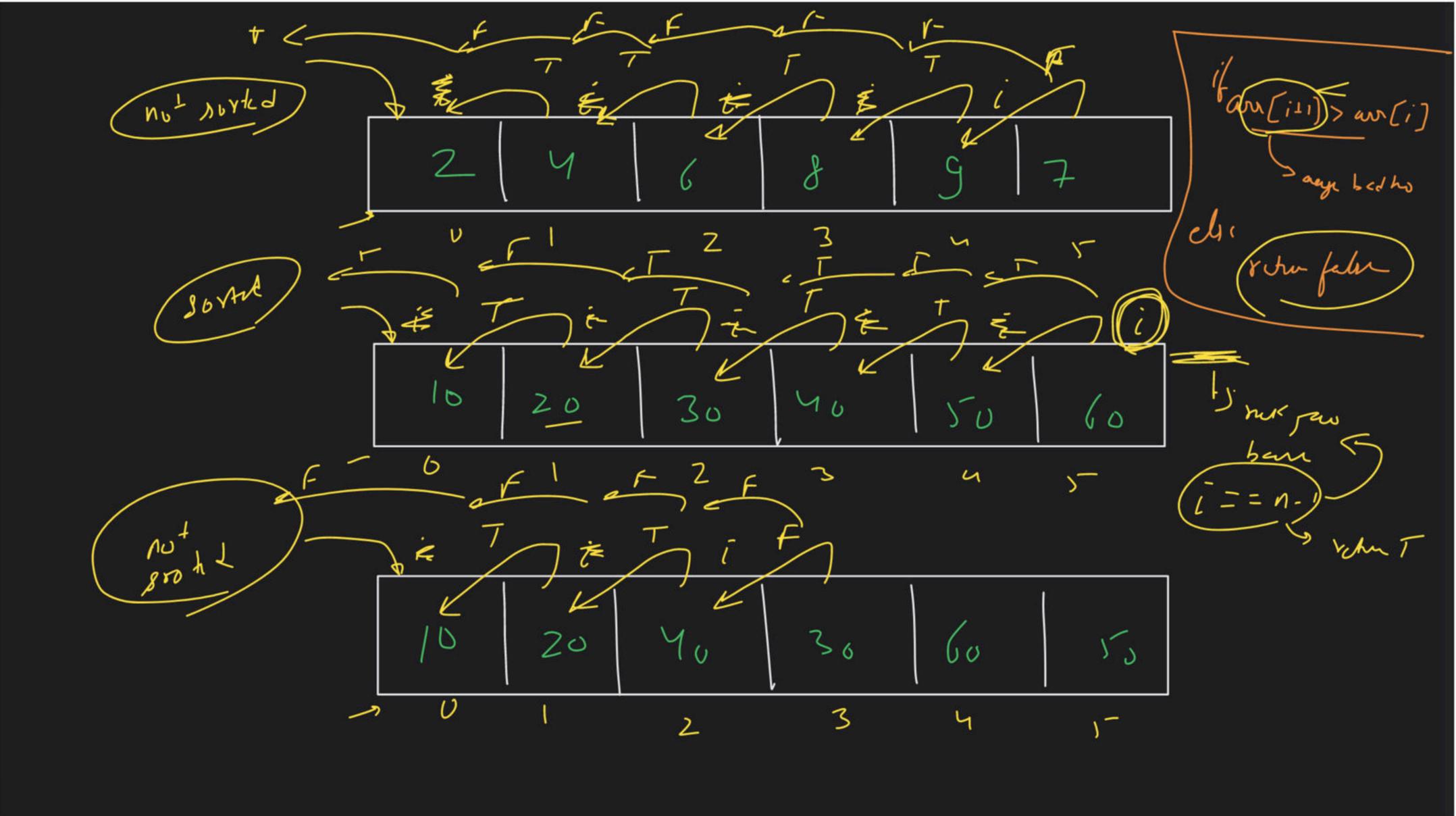
Special class



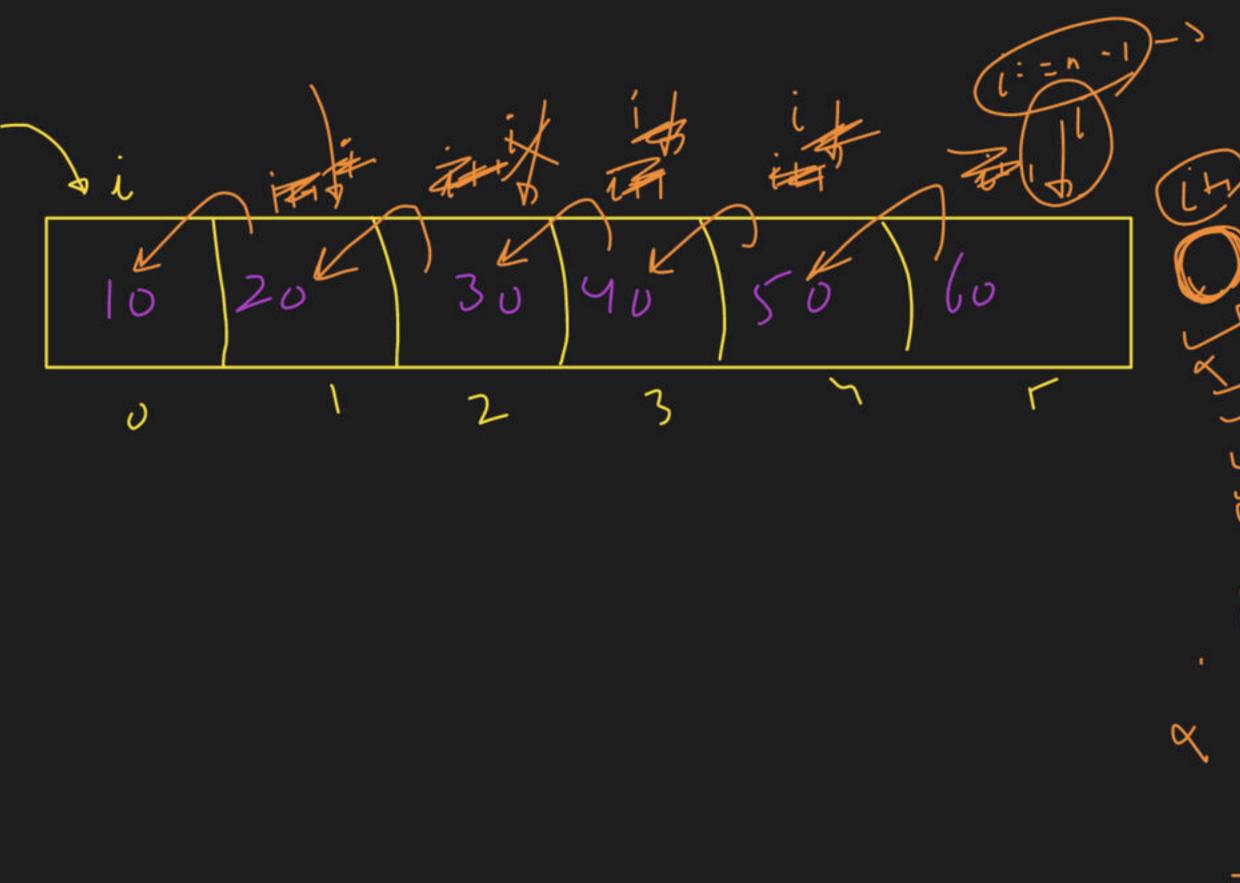
Love Babbar • Mar 12, 2023

Mp - array U/p -> is Susted or (out < < wor (i) print (aur, n, iti) asc - a strict





Binary Search: 4 ans ay aus



> check sort (aux, n, it)

2 | 6 | 7 | 9 | 12 | 11

4/3/1/2/4/4







Binay Scarch

int bs (arr, h)

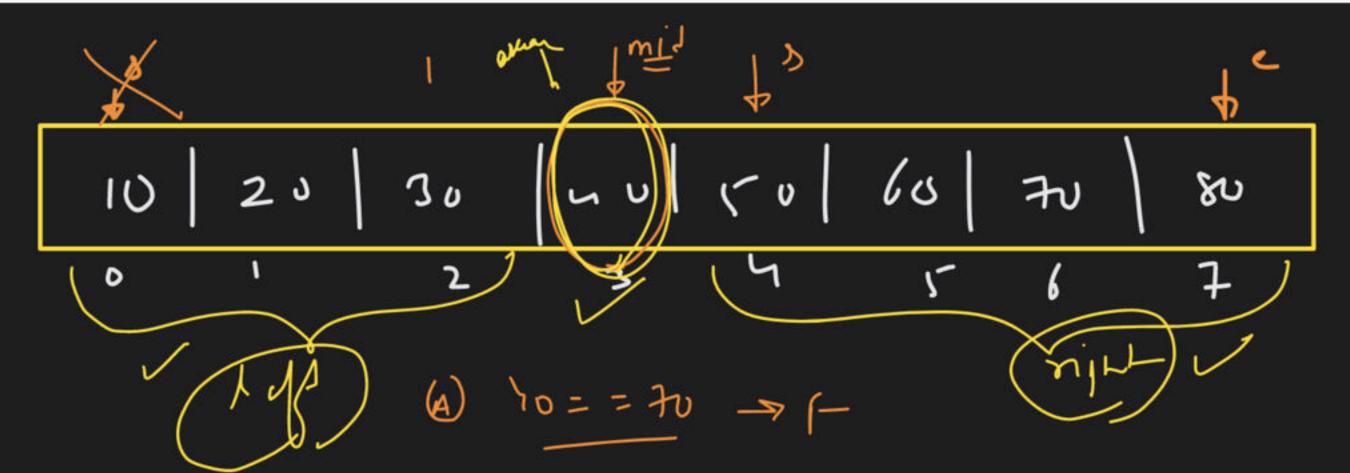
int 
$$s=0$$
;

int  $mid: (s+e)$ ; where  $mid: (s+e)$ ;

while  $(s>=e)$  are  $mid: (s+e)$ ;

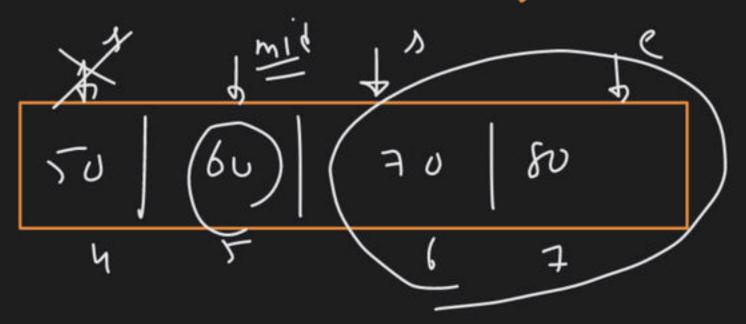
yether  $mid; (s+e)$ ;

 $s=mid+1;$ 
 $s=mid+1;$ 
 $s=mid-1;$ 
 $s=mid-1;$ 

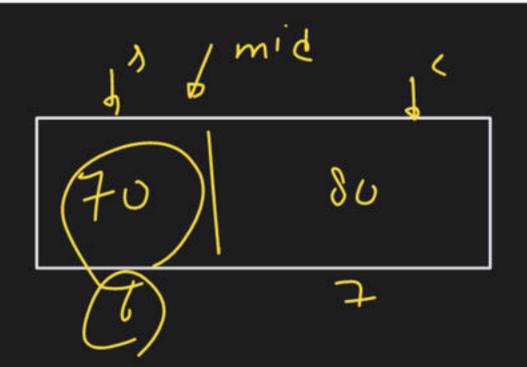


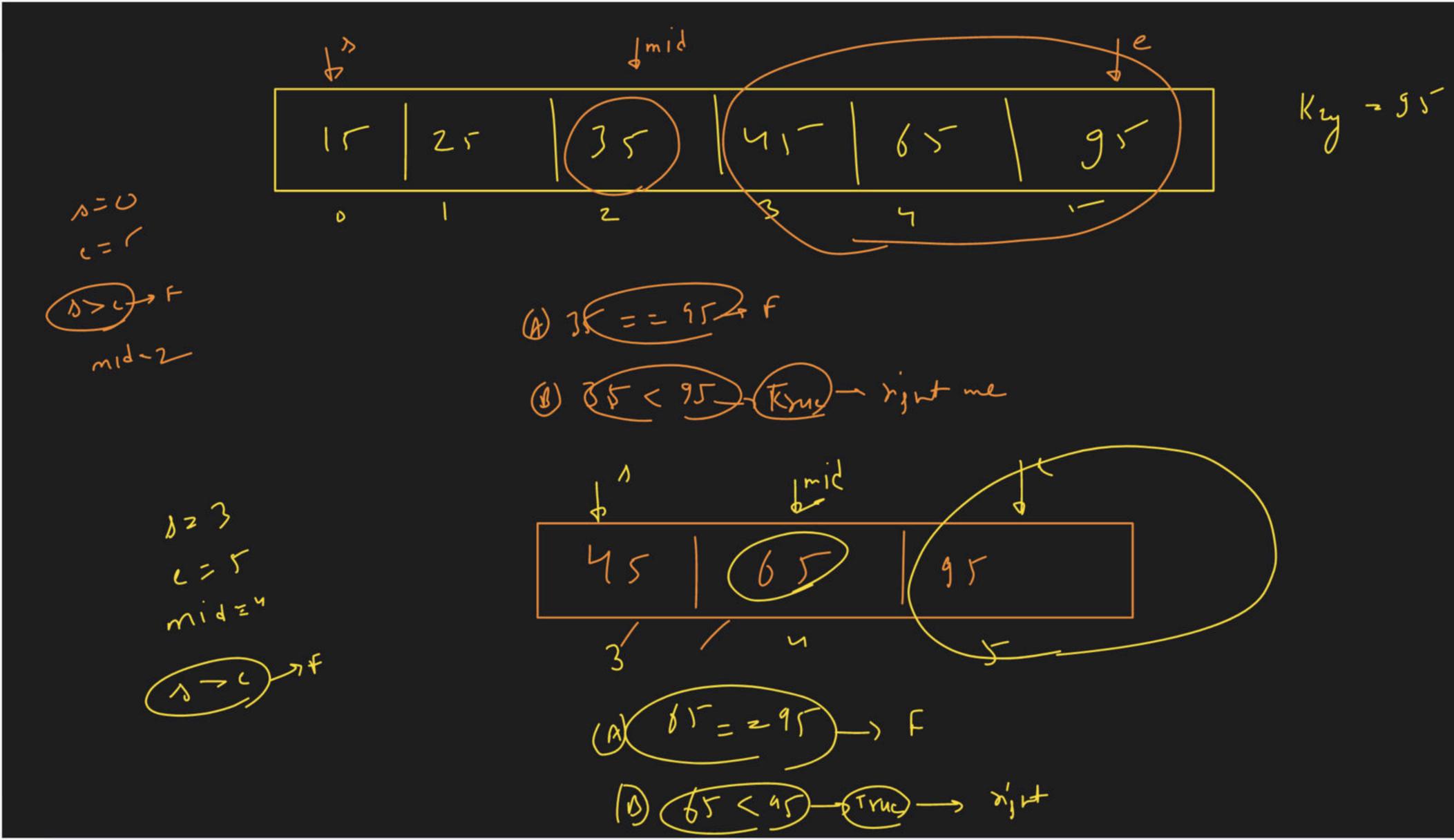
カーひ と一十 mid=(いせと) = 3

(B) 40 <70 -> T -> Right -> s=mid+1

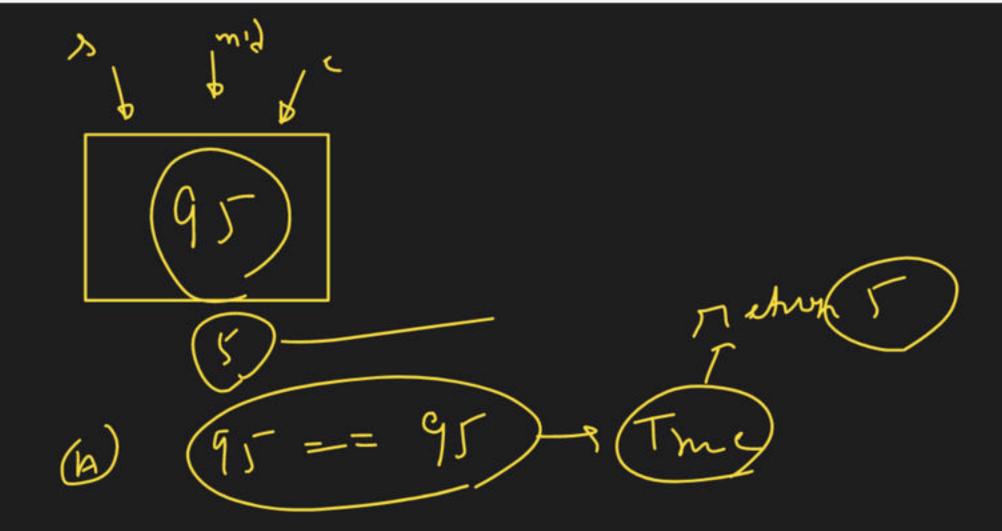


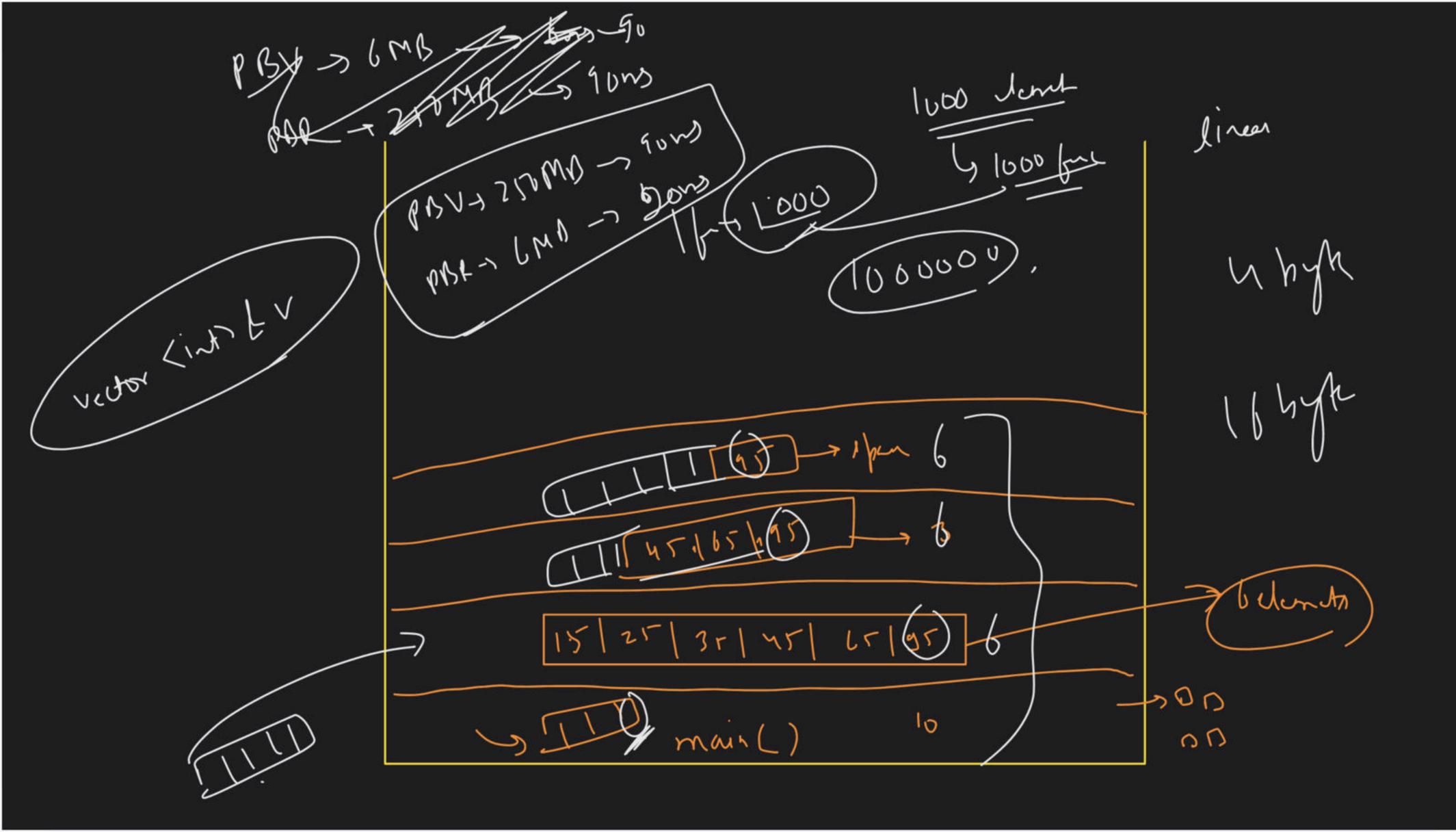
$$3 = 0$$
 $e = 7$ 
 $mid^{2} \frac{11}{2} = 0$ 

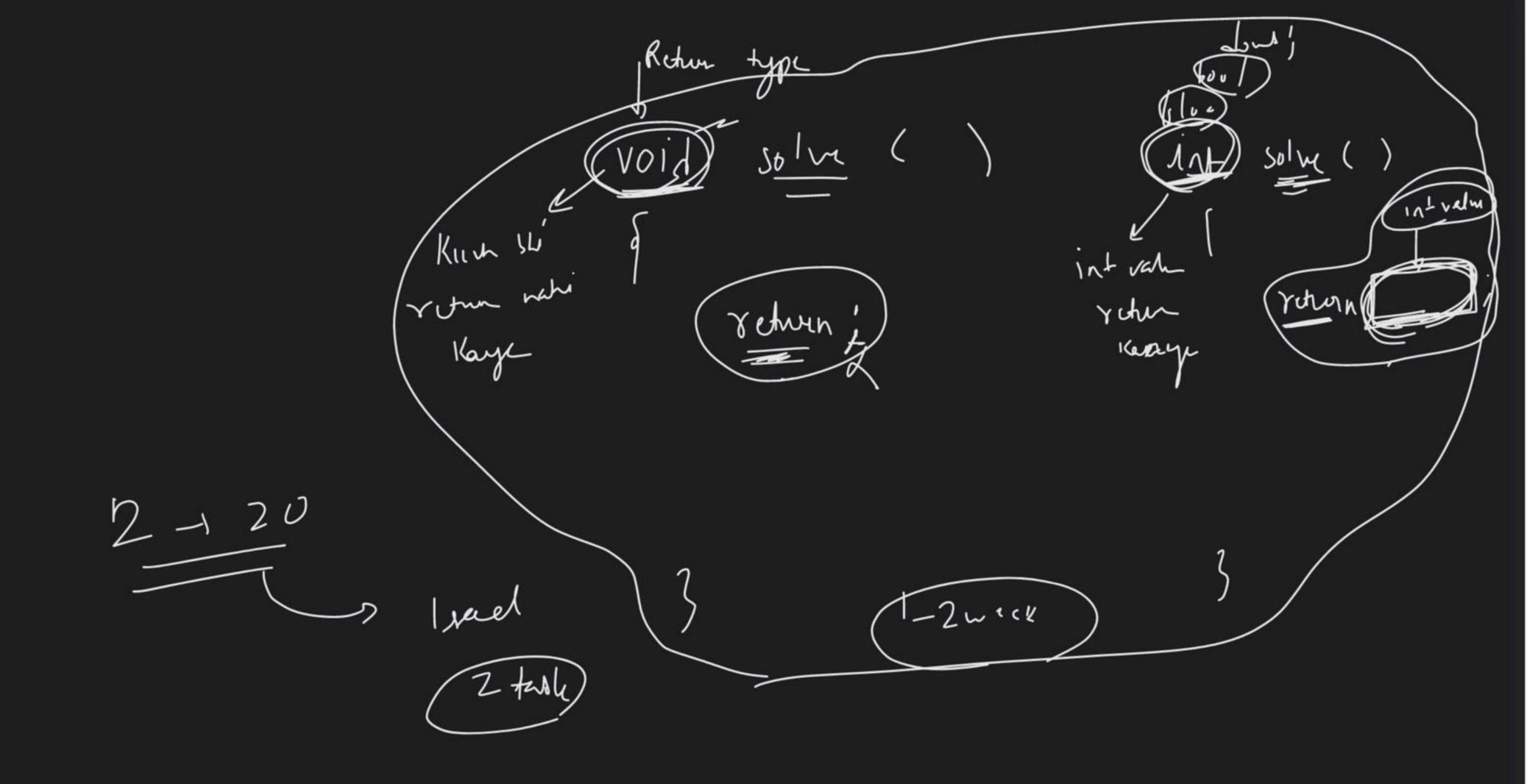


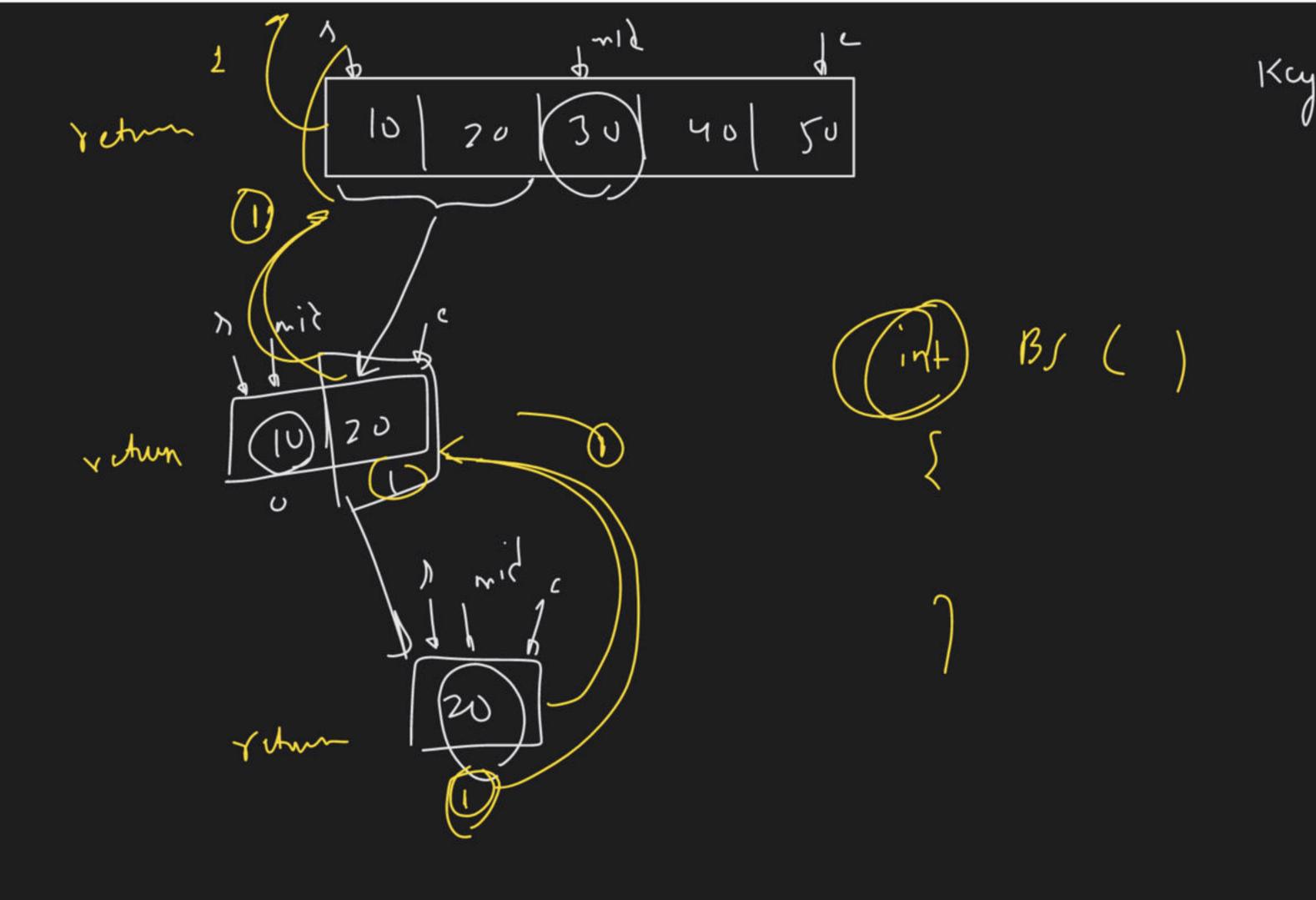


mid=15





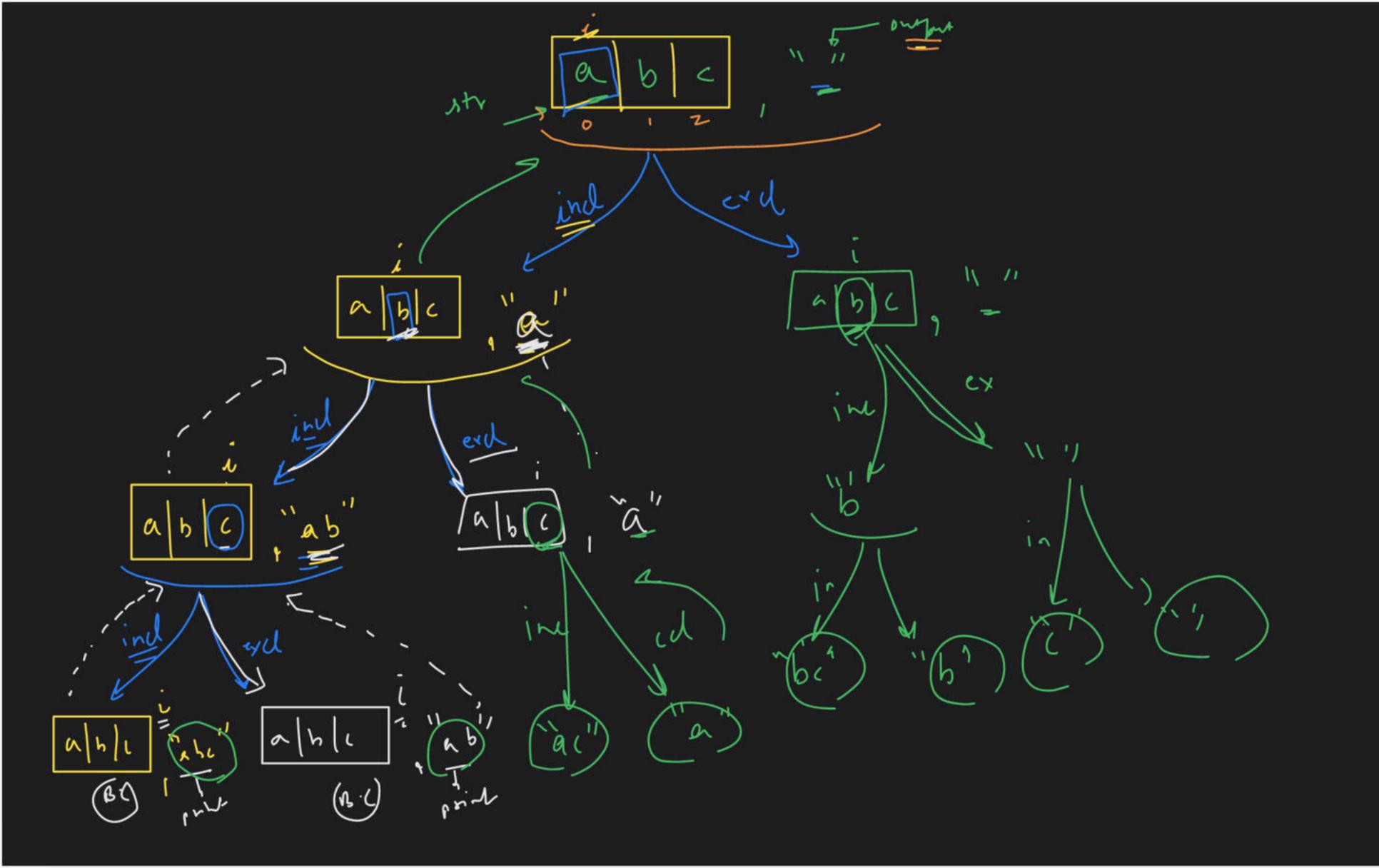


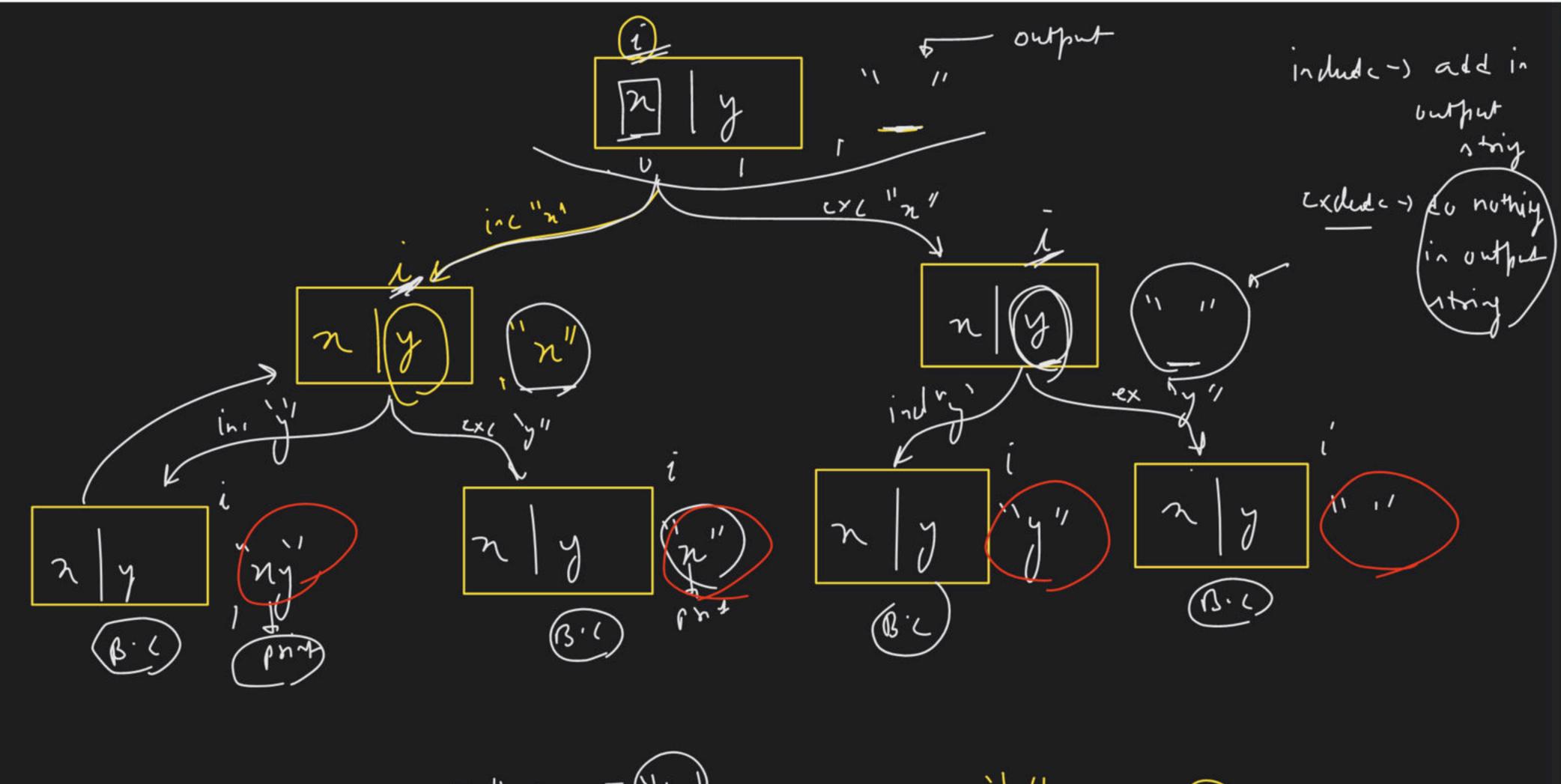


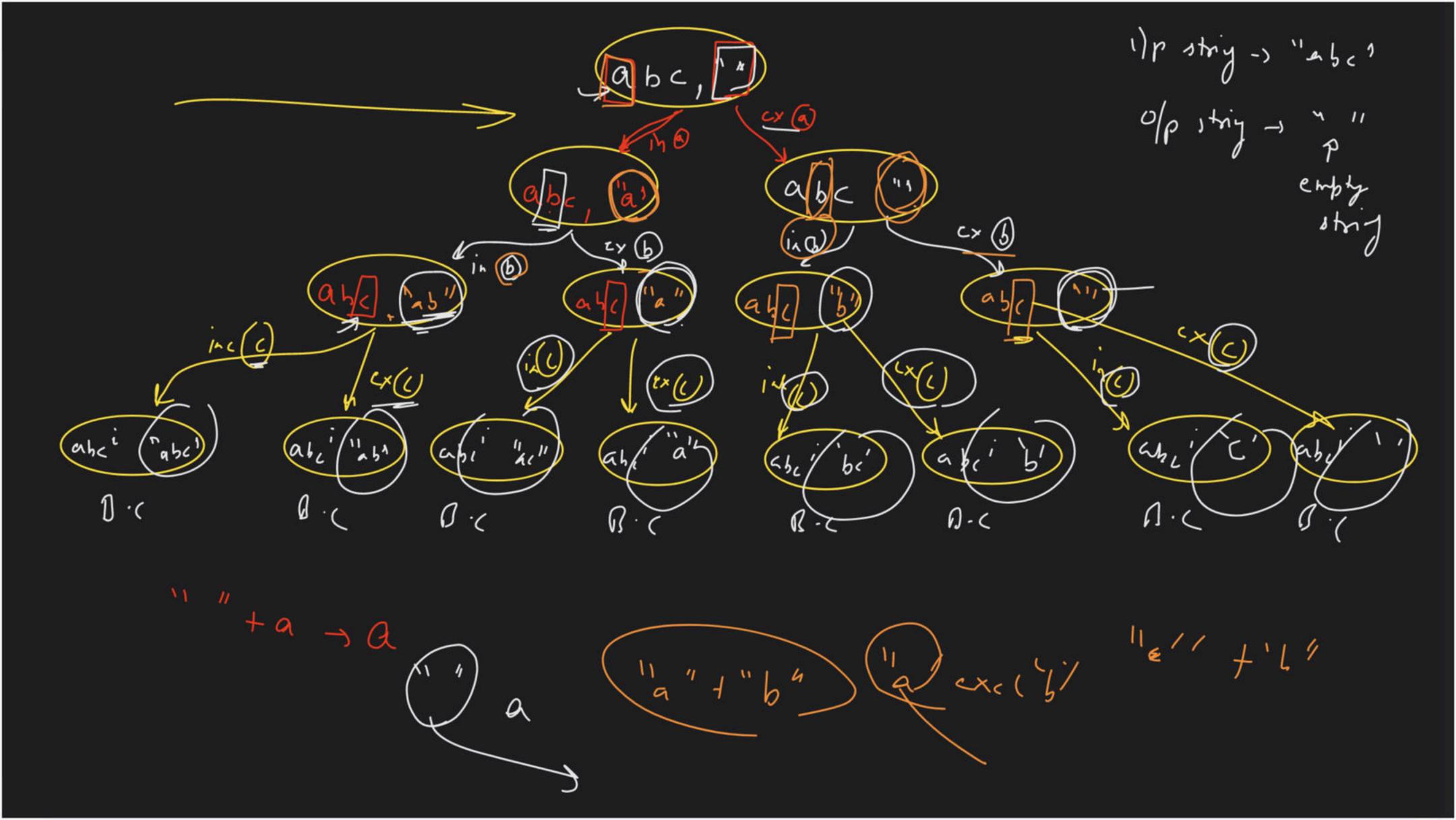
fam v w pathrn Subsequences of a string (3) Indude extlude = > -> 23 -> & i/p ~ (ab) レンンつのらく Up - print all subsequence  $(\checkmark)(\gt)$  × power {-}, {a3 {b3 {c} XXX XVX {a,b} {a,c} {b,c} XXV XVV -s bc {4,5,1) - X V -> al

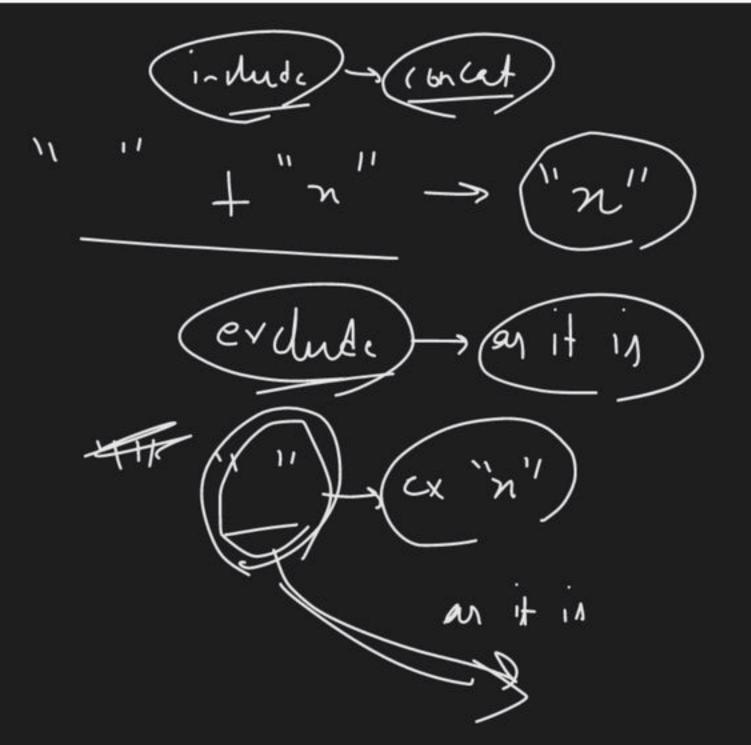
$$\frac{1}{2} = 2^{2} = 9$$

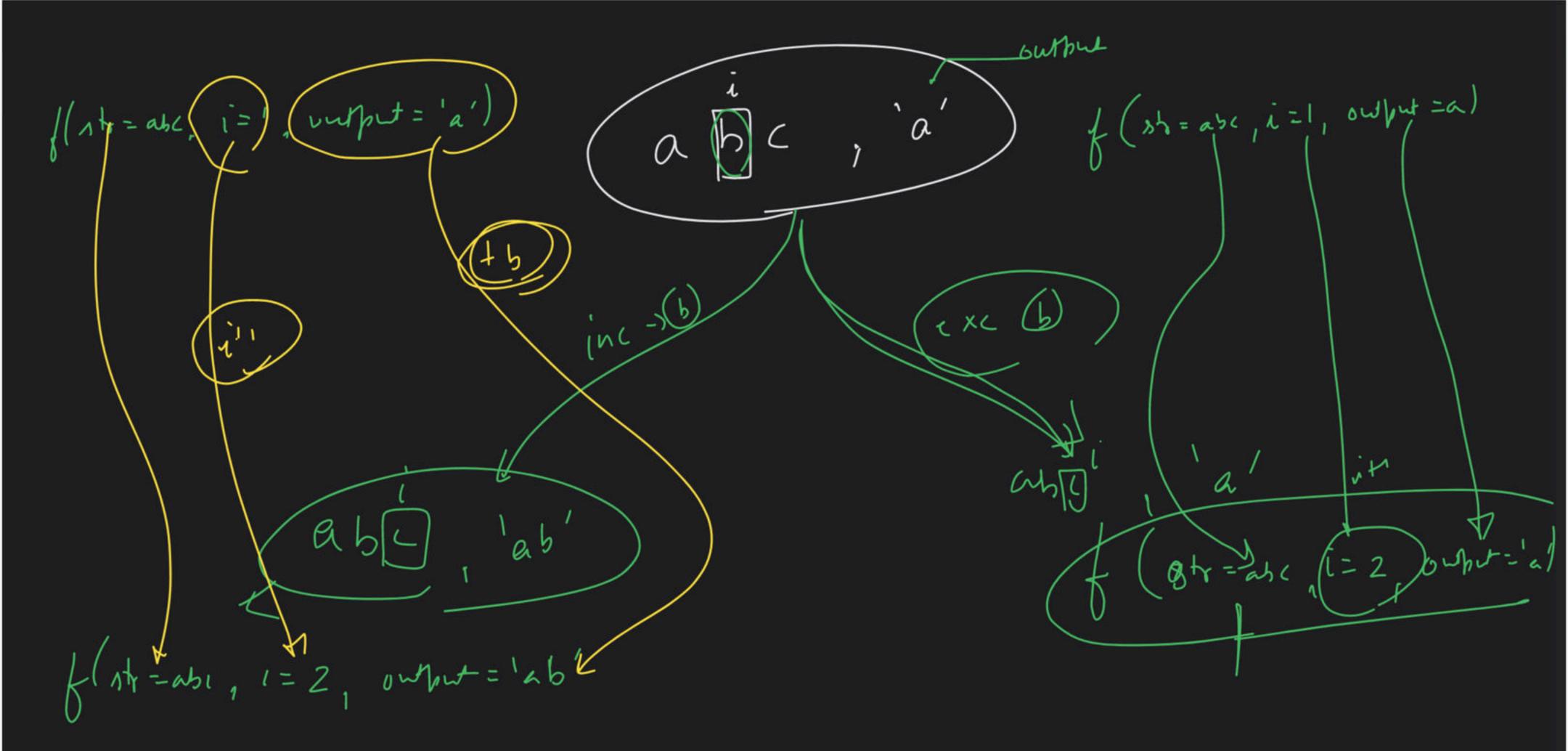
$$\frac{n}{2} = 2^{2} = 9$$











Subsequence
Bitmarking









