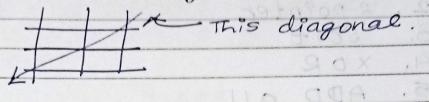


## Doubt Week-4

Diagonal Printing



Code:

Swap implement 7 (a,b)

- O Temp vargable 921910
- (2)  $(+,-) \rightarrow Arithmetic$
- (3) XOR

$$0 = 0 + b \rightarrow 1$$

$$b = 0 - b \rightarrow 2$$

$$0 = a - b \rightarrow 3$$

$$a = 3$$
,  $b = 2$ 

(3) inta, intb
$$a = a^{1}b \longrightarrow 1$$

$$b = a^{1}b \longrightarrow 2$$

$$a = a^{1}b \longrightarrow 3$$

Arrays stiding window

2. 2 pointer

3. Sort

4. XOR

5. ADD all

Rotate Array using Reverse Array 1/2/3/4/5/6/7

I = K = 3

7 | 6 | 5 | 4 | 3 | 2 | 1 |

516/7/4/3/2/1/ 0 -> K-1 bodsoMa

Reverse ald along and 5/6/7/1/2/3/4/ K - 7 n-1 90X

Code:

int a lat b Void rotate (vector lint > frums, int K)? int n= hums. size();

K= K % n; reverse (nums begin () numsende));

reverse Chums. begind, nums. begin(1+K); reverse (nums. begin ()+K, nums. end ())

## 116 Find missing Number 9 6 4 2 3 5 7 0 1 XOR with index Reamange Array Elements by sign Approach NO 1. Will use 2 extra spaces for segragating -ve numbers and the numbers. After segragating, we will puh one by one in ans vector Code: yectorzint > rearrange Array (vectorzint > frum). int n= nums. size(); Vectoreint > ansch); int i=0; intj=1; for (auto it: hums) { でf (itZO) て ans[1] = it) 1+=2; else T an5[]] = it;