Given a arry of integers.

Find out the MAX XOR pair.

(i,j): Ai A Aj is MAX!

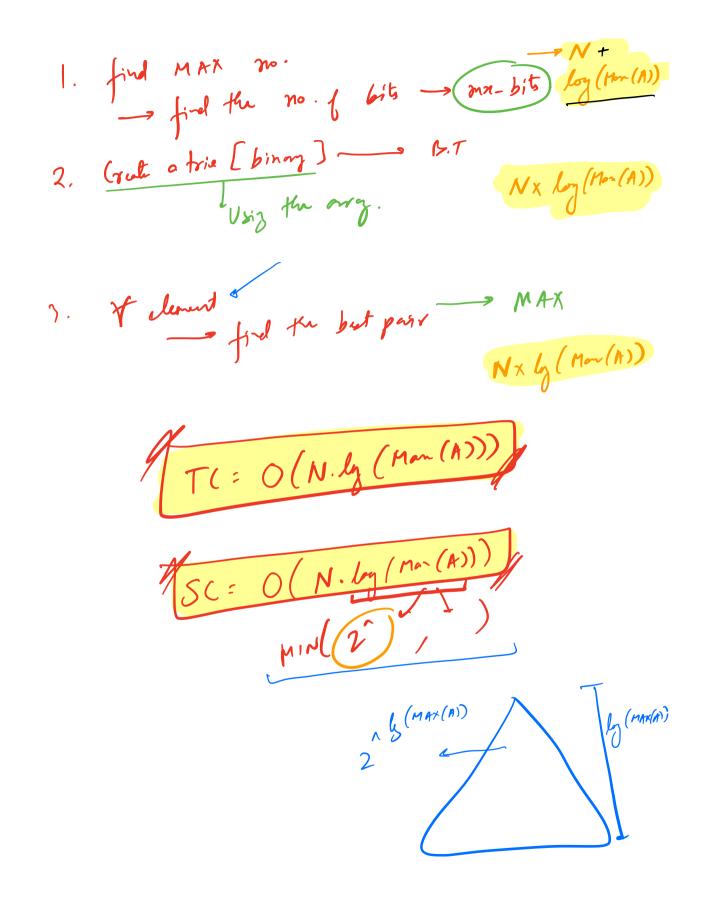
A: [1, 2, 3, 5, 4]

2 3 : 0 1 1 y: 100 A A M S 1:001 5:101 7 -100

i) DF ANS=0 f(i:0 -> N-1) { f(j=i+1 -- N-1) { ANS = MAX (AN), A[i] n A[j]);

) I AND;

T(: O(N'))



SAME GUES - Find MIN XOR PAIR

(i!=j) Create frie or fly? TC __ SAME AS
PREV Trie. insur (A[0]); ANS = 00; f(i=1 -> N-1) {

find but xor in this for A[i7 = X

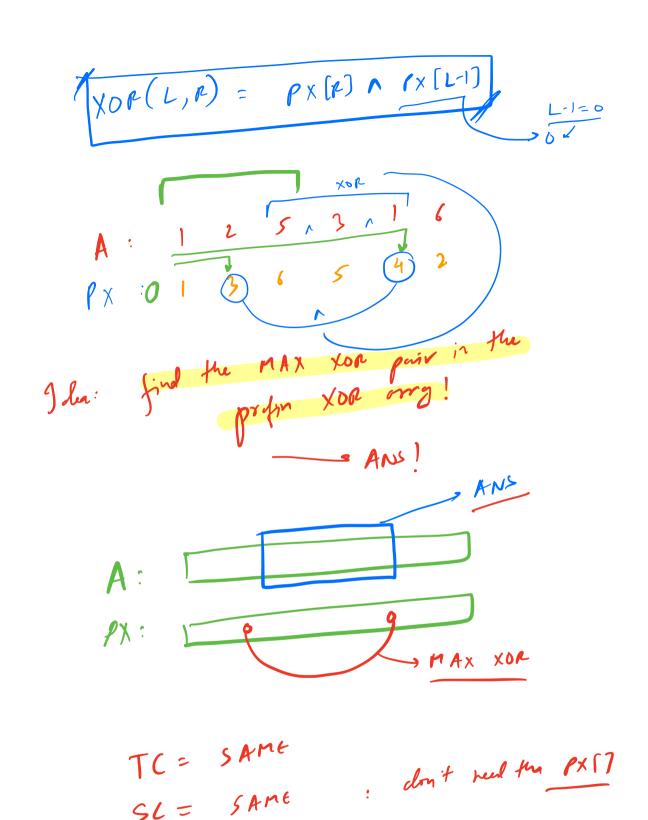
AND = MIN(AND, X); Trie insul (A(i));

of Given on Arry. First the MAX XOR A: [1, 2, 5, 3, 1, 1]

A: [1, 2, 5, 3, 1, 1]

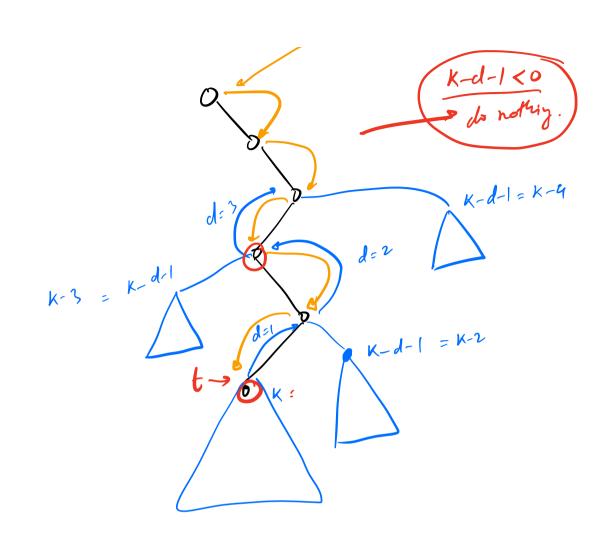
A: 001

A: 001 1) BF (orry forward $A: \frac{1 \ 2 \ 5 \ 3 \ 1 \ 6}{1 \ 3 \ 6 \ 5 \ 4 \ 2}$ $P \times : 1 \ 3 \ 6 \ 5 \ 4 \ 2$ 51711 -



B.T. Convertit to a DLL in INDADER! Note pru = NULL; Note h: NULL; void BTZDZL (Note rost) 5 if (rot == NULL) ret; BT2 DLL (rot. left); if (prw = = NULL) { head = vot ; rot. left = prw; prw. right = root; prw= rost; BT2DLL (rot. right); Convert it to Grander J Givn a B.T. & K da taget node. Find the no. of norths at K distance from torget Nobe! K = 3 K-2-1) if (K===) 841; The find (rot. blt, K-1);

+ find (rot. rynt, K-1);



2 functions