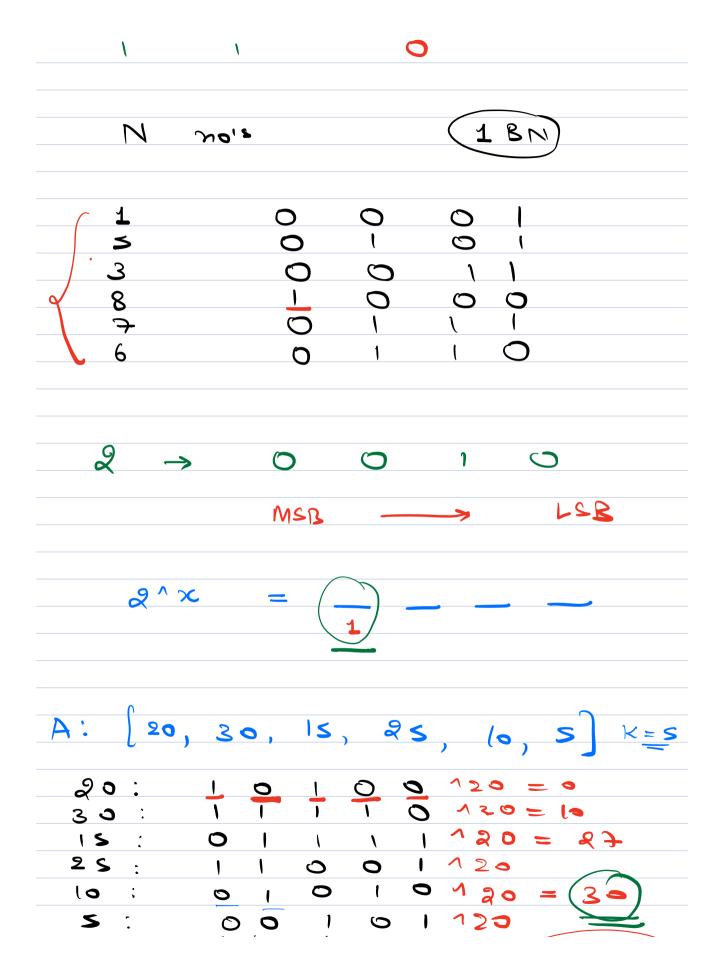
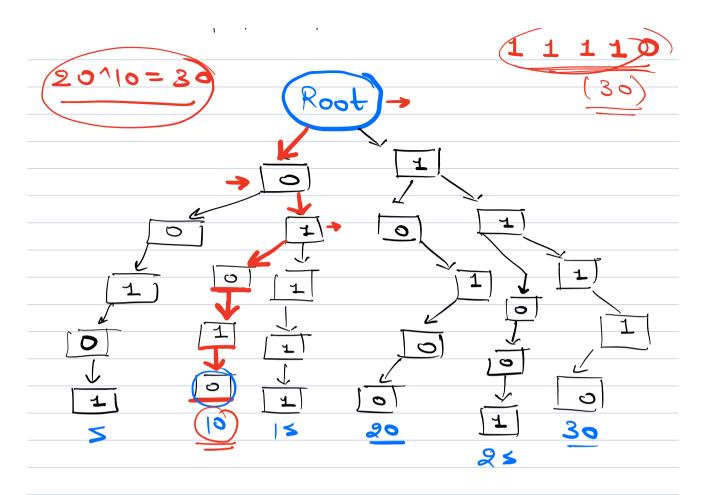


Mode < Cole HM< chor, N-Je> chican boolean is Enl', boolean delete (root, word, index) & of (index = = word leyth -1) of if (root. children. is Empty ()) « root. is End = false; retorn false; = word. ches At next Char next Node = root. children. get (next cher); boolean is Next Cher Deleted = delete (next Node, word, index+1); if (is Next Char Deleted = = True) of

root. children. delete (next Chor); if (rost. children. is Empty () Ss root. is End = = felse) q

Given an array of Integers. (A)
find the max value of Alis Alis Vij. 9, 8, 10,7 Brute Force $0\left(N^2 \times 3^2\right) = 0\left(N^2 \log N\right)$ 1000 > 011 (I) MSB over powers. ンペケ X





T.C. to create try.
$$= O(N \times 32)$$

$$= O(NbgN)$$
T.C. = $O(32) \triangle O(bgN)$
T.C. = $O(NbgN)$

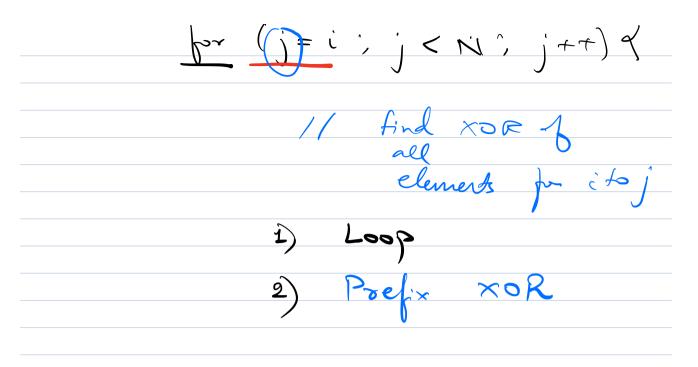
Code: (H.W.)

Given an array of integers. find max subarray XOR value. A: [1,4,2,6] (K=3) Assume 0 0 1 4: 100 0 1 0 $\begin{array}{c}
(2) \rightarrow 2 \\
(6) \rightarrow 6
\end{array}$ [1,4,2,6]-(1,4) -> 5 (4,2) -> 6

1) Brute Parce

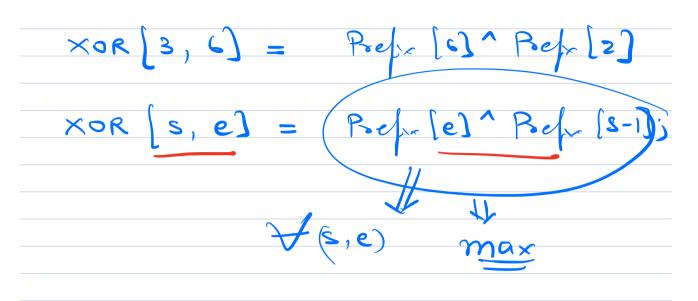
ans = 0;

for ((i)=0; i < N1; i++) {



Prefix [6] =
$$(18^{3} \cdot 5^{1} \cdot 6^{12})$$

Prefix [2] = $(118^{3} \cdot 3)$

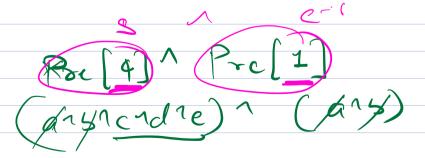


Soln i) Creete pref. XOR array

2) Use exact solh of else

problem to find the man

Pre [a, ans, ansne, ansnend, and, cide]



Double

