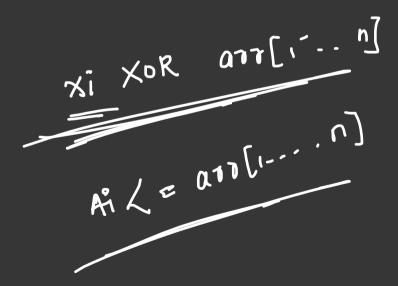
Max XDR & Querics

Problem Statement Suggest Edit

You are given an array/list 'ARR' consisting of 'N' non-negative integers. You are also given a list 'QUERIES' consisting of 'M' queries, where the 'i-th' query is a list/array of two non-negative integers 'Xi', 'Ai', i.e 'QUERIES[i]' = ['Xi', 'Ai'].

The answer to the ith query, i.e 'QUERIES[i]' is the maximum bitwise xor value of 'Xi' with any integer less than or equal to 'Ai' in 'ARR'.

You should return an array/list consisting of 'N' integers where the 'i-th' integer is the answer of 'QUERIES[i]'.



Brute force.

eru, [], { arte [7: 3, 2, 1, 3, 4] queno [] = {] 3], [5,1] for (120; 1 < querts size(1, 1++) Xz qur(i)[0], diz qur ["][1], or G20, j(n;j++) if (arr[i] < 2 ai) maxxor = max (maxor, xi ^arr[i])

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1. (. 2 OLMX H) 0(N)X 5 2) 2 6 (N) dor[1... A) (x 6R X find max ne west ary Ne insert only that element in the tent are les than as arr[], { 1, 3, 2, 5, 4] -> sort() 16 (arr [1] (2 0 (1) Tric (insert

· Insert only durat which are less than ai in Trie to do that sort are.

Offline query

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