1/9/2021 Decode XORed Array - LeetCode Contest Discuss(/discuss) Jamary(https://deeksode.com/discuss/general-☆ Premium (/) Explore Problems(/problemset/all/) Mock(/interview/) Contest (/subscribe? Storediscussion/655704/) ref=nb\_npl) 5649. Decode XORed Array My Submissions (/contest/weekly-contest-223/problems/decode-xored-array/submissions/) Back to Contest (/contest/weekly-contest-223/) There is a **hidden** integer array arr that consists of n non-negative integers. User Accepted: 0 It was encoded into another integer array encoded of length n-1, such that encoded[i] = arr[i] XOR arr[i+1]**User Tried:** 1 1] . For example, if arr = [1,0,2,1] , then encoded = [1,2,3] . You are given the encoded array. You are also given an integer first, that is the first element of arr, i.e. arr[0]. Total Accepted: 0 Return the original array arr. It can be proved that the answer exists and is unique. **Total Submissions:** 1 Difficulty: (Easy) Example 1: Input: encoded = [1,2,3], first = 1 Output: [1,0,2,1] Explanation: If arr = [1,0,2,1], then first = 1 and encoded = [1 XOR 0, 0 XOR 2, 2 XOR 1] = [1,2,3]Example 2: **Input:** encoded = [6,2,7,3], first = 4 Output: [4,2,0,7,4] **Constraints:** •  $2 \le n \le 10^4$ • encoded.length == n - 1 • 0 <= encoded[i] <= 10<sup>5</sup>

•  $0 \le first \le 10^5$ 

JavaScript C 1 • /\*\* 2 \* @param {number[]} encoded 3 \* @param {number} first \* @return {number[]} 4 5 6 const decode = (encoded, first) => { 7 let res = [first]; 8 let n = encoded.length; 9, for (let i = 0; i < n; i++) { 10 let tmp = res[res.length - 1] ^ encoded[i]; 11 res.push(tmp); 12 13 return res; 14 };

Submission Result: Accepted (/submissions/detail/440942185/) ?

More Details > (/submissions/detail/440942185/)

☐ Custom Testcase

Use Example Testcases

Run

Copyright © 2021 LeetCode Help Center (/support) | Jobs (/jobs) | Bug Bounty (/bugbounty) | Students (/student) | Terms (/terms) | Privacy Policy (/privacy)

United States (/region)