3/18/23, 11:06 PM Number of Even and Odd Bits - LeetCode Contest add-and-search-ಭ Premium Store (/subscribe? ~~(/) Explore(/explore/) Problems(/problemset/all/) Interview Contest 8 Discuss(/discuss/) words-dataref=nb\_npl) 6319. Number of Even and Odd Bits structure/) My Submissions (/contest/weekly-contest-337/problems/number-of-even-and-odd-bits/submissions/) Back to Contest (/contest/weekly-contest-337/) You are given a positive integer  $\, n \, . \,$ User Accepted: 6757 Let even denote the number of even indices in the binary representation of n (0-indexed) with value 1. **User Tried:** 7352 Let odd denote the number of odd indices in the binary representation of n (0-indexed) with value 1. Total Accepted: 6824 Return an integer array answer where answer = [even, odd]. **Total Submissions:** 8897 Example 1: Difficulty: (Easy) Input: n = 17**Output:** [2,0] Explanation: The binary representation of 17 is 10001. It contains 1 on the 0<sup>th</sup> and 4<sup>th</sup> indices. There are 2 even and 0 odd indices. Example 2: Input: n = 2Output: [0,1] Explanation: The binary representation of 2 is 10. It contains 1 on the 1<sup>st</sup> index. There are 0 even and 1 odd indices. **Constraints:** • 1 <= n <= 1000 JavaScript C 1 v const evenOddBit = (n) ⇒ { let s = n.toString(2), res = [0, 0]; 2 3 ▼ for (let i = s.length - 1, cur = 0;  $\sim i$ ; i--,  $cur ^= 1$ ) { 4 1 if (s[i] == '1') { 5 cur ? res[1]++ : res[0]++; 6 7 8 return res;

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