1427. Perform String Shifts Premium Easy Topics Companies Hint You are given a string s containing lowercase English letters, and a matrix shift, where shift[i] = [direction, amount]: direction; can be 0 (for left shift) or 1 (for right shift). amount_i is the amount by which string s is to be shifted. A left shift by 1 means remove the first character of s and append it to the end. • Similarly, a right shift by 1 means remove the last character of s and add it to the beginning. Return the final string after all operations. Example 1: Input: s = "abc", shift = [[0,1],[1,2]] Output: "cab" Explanation: [0,1] means shift to left by 1. "abc" -> "bca" [1,2] means shift to right by 2. "bca" -> "cab" Example 2: Input: s = "abcdefg", shift = [[1,1],[1,1],[0,2],[1,3]] Output: "efgabcd" Explanation: [1,1] means shift to right by 1. "abcdefg" -> "gabcdef" [1,1] means shift to right by 1. "gabcdef" -> "fgabcde" [0,2] means shift to left by 2. "fgabcde" -> "abcdefg" [1,3] means shift to right by 3. "abcdefg" -> "efgabcd" Constraints: • 1 <= s.length <= 100 • s only contains lower case English letters. • 1 <= shift.length <= 100 • shift[i].length == 2 direction_i is either 0 or 1. 0 <= amount_i <= 100 Seen this question in a real interview before? 1/5 Yes No Acceptance Rate 54.9% Accepted 82.7K Submissions 150.7K ♥ Topics Array Math String Companies 0 - 6 months Goldman Sachs 2 O Hint 1 Intuitively performing all shift operations is acceptable due to the constraints. O Hint 2

You may notice that left shift cancels the right shift, so count the total left shift times (may be negative if the final result is right shift), and perform it once.

Discussion (5)