1243. Array Transformation Premium Easy Topics Companies Hint Given an initial array arr, every day you produce a new array using the array of the previous day. On the i-th day, you do the following operations on the array of day i-1 to produce the array of day i: 1. If an element is smaller than both its left neighbor and its right neighbor, then this element is incremented. 2. If an element is bigger than both its left neighbor and its right neighbor, then this element is decremented. 3. The first and last elements never change. After some days, the array does not change. Return that final array. Example 1: **Input:** arr = [6,2,3,4]**Output:** [6,3,3,4] Explanation: On the first day, the array is changed from [6,2,3,4] to [6,3,3,4]. No more operations can be done to this array. Example 2: **Input:** arr = [1,6,3,4,3,5]**Output:** [1,4,4,4,4,5] Explanation: On the first day, the array is changed from [1,6,3,4,3,5] to [1,5,4,3,4,5]. On the second day, the array is changed from [1,5,4,3,4,5] to [1,4,4,4,4,5]. No more operations can be done to this array. Constraints: • 3 <= arr.length <= 100 • 1 <= arr[i] <= 100 Seen this question in a real interview before? 1/5 Accepted 14.1K Submissions 26.8K Acceptance Rate 52.6% **O** Topics Array Simulation Companies 0 - 6 months Virtu Financial (3) Q Hint 1 Try to simulate the process. O Hint 2 For every iteration, find the new array using the old one and the given rules. Discussion (2)

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