🐧 LeetCoding Challenge + GIVEAWAY! 🐧 🗴 i {} 5 ⊕ □ Description i Java

■ Autocomplete 1 v class Solution {
2 v public int minimumMoves(int[] arr) { 1246. Palindrome Removal Hard ௴ 247 ♀ 9 ♡ Add to List ௴ Share Given an integer array arr, in one move you can select a **palindromic** subarray arr[i], arr[i+1], ..., arr[j] where i <= j, and remove that subarray from the given array. Note that after removing a subarray, the elements on the left and on the right of that subarray move to fill the gap left by the removal. Return the minimum number of moves needed to remove all numbers from the array. Example 1: **Input:** arr = [1,2] Output: 2 Example 2:

Input: arr = [1,3,4,1,5] Output: 3 **Explanation:** Remove [4] then remove [1,3,1] then remove [5]. **Constraints:** • 1 <= arr.length <= 100 • 1 <= arr[i] <= 20 Accepted 8,103 Submissions 17,677 Seen this question in a real interview before? Companies 🛅 i 0 ~ 6 months 6 months ~ 1 year 1 year ~ 2 years Microsoft | 6 **Related Topics** Array Dynamic Programming Hide Hint 1 Use dynamic programming. Hide Hint 2 Let dp[i][j] be the solution for the sub-array from index i to index j. Hide Hint 3 Notice that if we have S[i] == S[j] one transition could be just dp(i + 1, j + 1) because in the last turn we

would have a palindrome and we can extend this palindrome from both sides, the other transitions are

not too difficult to deduce.

E Problems

X Pick One

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