

# 1246. Palindrome Removal

## Description

You are 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`

