**Minimum characters to be added at front to make string palindrome**

Given string **str**of length **N**. The task is to find the minimum characters to be added at the front to make string palindrome.  
**Note:**A palindrome is a word which reads the same backward as forward. Example: "madam".

**Example 1:**

**Input:**

S = "abc"

**Output:** 2

**Explanation:**

Add 'b' and 'c' at front of above string to make it

palindrome : "cbabc"

**Example 2:**

**Input:**

S = "aacecaaa"

**Output:** 1

**Explanation:** Add 'a' at front of above string

to make it palindrome : "aaacecaaa"

**Your Task:**  
You don't need to read input or print anything. Your task is to complete the function **minChar()** which takes a string S and returns an integer as output.

**Expected Time Complexity:** O(N)  
**Expected Auxiliary Space:** O(N)

**Constraints:**  
1 <= S.length <= 106