

Problem M

Palindrome Names

Problem ID: names
CPU Time limit: 1 second
Memory limit: 1024 MB

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Anna and Bob are having a baby. They both enjoy the advantage of having palindrome names, meaning that their names are spelled the same way forwards and backwards. Wanting to be good parents, they decide to give their child a palindrome name too. The only problem is that they aren't sure if the one they picked is a palindrome. If it turns out it isn't a palindrome, they want to change it to a palindrome using as few changes as possible. The allowed changes are:

- Change a letter of the name.
- Add a letter to the end of the name.



Image by Eviatar Bach.

Help Bob and Anna find out how many changes they need to make to the name to make it a palindrome.

Input

Input is the name they have chosen.

Output

Output the number of changes they need to make.

Limits

- The length of the name is at least 1 and at most 100 characters.
- The name consists of only lowercase letters a–z.

Sample Input 1

kaia

Sample Output 1

1

Sample Input 2

abcdefgdcd

Sample Output 2

4