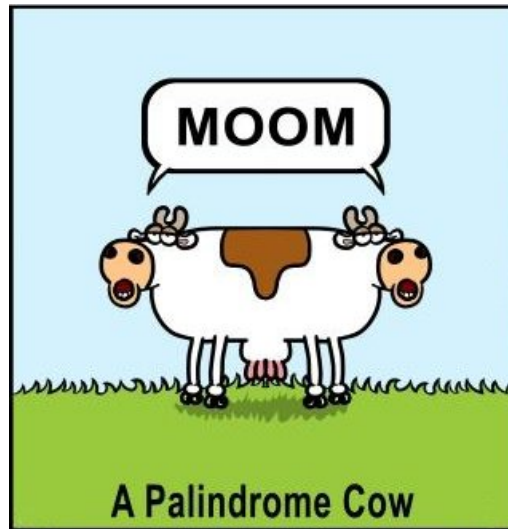# Creating Palindromes

A palindrome is a word that is read the same way forwards and backwards, such as "bob" or "racecar".

You are given a word and are allowed to use three operations:

- Add a letter to the word at any position.

- Remove a letter from the word at any position.

- Swap any letter at any position with any other letter.

Your goal is to find a way to convert any word to any palindrome using as few of these operations as possible.

Input Format

The input consists of multiple test cases.

Each test case consists of a single line with the word *w* to be converted to a palindrome.

Constraints

- 1 <= |w| <= 1000

Output Format

Output the least amount of operations required to transform the word into a palindrome.

Sample Input 0

```
bob
moo
apple
banana
racecar
```

Sample Output 0

```
0
1
2
1
0
```