A Driving

Daniel recently got his driver's license!
Unfortunately for him, he doesn't have a GPS (or a smartphone, for that matter). Instead, he relies on the order of the road signs he passes to find his way to his destination. Each road sign only has a single lowercase letter on it.
Wassim, in his ever-lasting quest to deceive Daniel, decides to change a few road signs to confuse him. He hopes to make the road signs such that they come in the same order forwards and backwards, so that Daniel doesn't know which way to go.

Given the initial ordering of the road signs, denoted by a string of lowercase letters s, determine the minimum signs that Wassim must change to make them read the same forwards and backward.

SHORT NAME: `driving`

INPUT FORMAT:
The first line of input contains the string s. The length of s will be between 1 and 10^5, inclusive.

OUTPUT FORMAT:
Output an integer k that denotes the minimum number of characters that must be changed in s to make it a palindrome.

SAMPLE INPUT:

```
awejsewz
```

SAMPLE OUTPUT:

```
2
```

We can change the string to "zwessewz" with two edits, making it a palindrome.