# Competitive Programming SS23

**Submit until end of contest**

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**Problem: palindrom** (1.0 second timelimit)

In this problem you are asked to convert a string into a palindrome with the minimum number of operations. The following operations are available:

- Add any character at any position.
- Remove any character from any position.
- Replace any character at any position with another character.

For example, to convert `abccda` to a palindrome you would need at least two operations if we only allow adding characters. But when you have the option to replace any character, you can do it with only one operation.

Reminder: a string $s_1 s_2 \dots s_n$ is a palindrome iff it is equal to its reverse, i.e iff $s_1 s_2 \dots s_n = s_n s_{n-1} \dots s_1$.

**Input** The only line of the input contains a non-empty string of lowercase latin letters. The length of this string is at most 2000.

**Output** Print the minimum number of operations needed to turn the given string into a palindrome.

| Sample input | Sample output |
|---|---|
| `seemstobeok` | `4` |
| `hassosracemice` | `7` |
| `aaabccccbaaaaa` | `2` |