

1234. Replace the Substring for Balanced String

Description

You are given a string `s` of length `n` containing only four kinds of characters: `'Q'`, `'W'`, `'E'`, and `'R'`.

A string is said to be **balanced** if each of its characters appears $n / 4$ times where `n` is the length of the string.

Return *the minimum length of the substring that can be replaced with any other string of the same length to make `s` **balanced***. If `s` is already **balanced**, return `0`.

Example 1:

```
Input: s = "QWER"
Output: 0
Explanation: s is already balanced.
```

Example 2:

```
Input: s = "QQWE"
Output: 1
Explanation: We need to replace a 'Q' to 'R', so that "RQWE" (or "QRWE") is balanced.
```

Example 3:

```
Input: s = "QQQW"
Output: 2
Explanation: We can replace the first "QQ" to "ER".
```

Constraints:

- `n == s.length`
- $4 \leq n \leq 10^5$
- `n` is a multiple of `4`.
- `s` contains only `'Q'`, `'W'`, `'E'`, and `'R'`.

