1653. Minimum Deletions to Make String Balanced

Description

You are given a string `s` consisting only of characters `'a'` and `'b'`.

You can delete any number of characters in `s` to make `s` **balanced**. `s` is **balanced** if there is no pair of indices `(i,j)` such that `i < j` and `s[i] = 'b'` and `s[j]= 'a'`.

Return *the* ***minimum*** *number of deletions needed to make* `s` ***balanced***.

Example 1:

```
Input: s = "aababbab"
Output: 2
Explanation: You can either:
Delete the characters at 0-indexed positions 2 and 6 ("aa b abb a b" -> "aaabbb"), or
Delete the characters at 0-indexed positions 3 and 6 ("aab a bb a b" -> "aabbbb").
```

Example 2:

```
Input: s = "bbaaaaabb"
Output: 2
Explanation: The only solution is to delete the first two characters.
```

Constraints:

- `1 <= s.length <= 10^5`
- `s[i]` is `'a'` or `'b'`.