1963. Minimum Number of Swaps to Make the String Balanced

Medium Topics Companies Hint

You are given a **0-indexed** string `s` of **even** length `n`. The string consists of **exactly** `n / 2` opening brackets `'['` and `n / 2` closing brac

A string is called **balanced** if and only if:

- It is the empty string, or
- It can be written as `AB`, where both `A` and `B` are **balanced** strings, or
- It can be written as `[C]`, where `C` is a **balanced** string.

You may swap the brackets at **any** two indices **any** number of times.

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

Example 1:

```
Input: s = "][]["
Output: 1
Explanation: You can make the string balanced by swapping index 0 with index 3.
The resulting string is "[[]]".
```

Example 2:

```
Input: s = "]]][[["
Output: 2
Explanation: You can do the following to make the string balanced:
- Swap index 0 with index 4. s = "[]][][".
- Swap index 1 with index 5. s = "[[][]]".
The resulting string is "[[][]]".
```

Example 3:

```
Input: s = "[]"
Output: 0
Explanation: The string is already balanced.
```

Constraints:

- `n == s.length`
- `2 <= n <= 10^6`
- `n` is even.
- `s[i]` is either `'['` or `']'`.
- The number of opening brackets `'['` equals `n / 2`, and the number of closing brackets `']'` equals `n / 2`.

Seen this question in a real interview before? 1/4

Yes No

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Hint 1