

## 1221. Split a String in Balanced Strings

Easy



1154



631



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**Balanced** strings are those that have an equal quantity of 'L' and 'R' characters.

Given a **balanced** string `s`, split it in the maximum amount of balanced strings.

Return *the maximum amount of split **balanced** strings*.

### Example 1:

**Input:** `s = "RLRRLLRLRL"`

**Output:** 4

**Explanation:** `s` can be split into "RL", "RRLL", "RL", "RL", each substring contains same number of 'L' and 'R'.

### Example 2:

**Input:** `s = "RLLLLRRRLR"`

**Output:** 3

**Explanation:** `s` can be split into "RL", "LLRRR", "LR", each substring contains same number of 'L' and 'R'.

### Example 3:

**Input:** `s = "LLLLRRRR"`

**Output:** 1

**Explanation:** `s` can be split into "LLLLRRRR".

### Example 4:

**Input:** `s = "RLRRRLRLRL"`

**Output:** 2

**Explanation:** `s` can be split into "RL", "RRRLRLRL", since each substring contains an equal number of 'L' and 'R'.

### Constraints:

- `1 <= s.length <= 1000`
- `s[i]` is either 'L' or 'R'.
- `s` is a **balanced** string.

## Related Topics

String

Greedy

## Hide Hint 1

Loop from left to right maintaining a balance variable when it gets an L increase it by one otherwise decrease it by one.

## Hide Hint 2

Whenever the balance variable reaches zero then we increase the answer by one.