

<https://leetcode.com/problems/split-a-string-in-balanced-strings/submissions/>

Split a String in Balanced Strings

Balanced strings are those who have 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 splitted balanced strings.

```
def balancedStringSplit(self, s):
```

```
    l_lst = 0
```

```
    r_lst = 0
```

```
    count = 0
```

```
    for i in s:
```

```
        if i == 'L':
```

```
            l_lst = l_lst + 1
```

```
        else:
```

```
            r_lst = r_lst + 1
```

```
        if l_lst == r_lst:
```

```
            count = count + 1
```

```
    return count
```

The screenshot displays the LeetCode interface for the problem "Split a String in Balanced Strings". The submission is marked as "Success" with a runtime of 16 ms and memory usage of 12.7 MB. The code is in Python and implements a greedy algorithm to split the string into the maximum number of balanced substrings. The test case "RLRLRLRL" is shown with the expected output 4.

```
class Solution(object):
    def balancedStringSplit(self, s):
        """
        :type s: str
        :rtype: int
        """
        l_lst = 0
        r_lst = 0
        count = 0
        for i in s:
            if i == 'L':
                l_lst = l_lst + 1
            else:
                r_lst = r_lst + 1
            if l_lst == r_lst:
                count = count + 1
        return count
```

Time Submitted	Status	Runtime	Memory	Language
a few seconds ago	Accepted	16 ms	12.7 MB	python
a few seconds ago	Accepted	28 ms	12.8 MB	python
a few seconds ago	Accepted	32 ms	12.7 MB	python
a few seconds ago	Accepted	32 ms	12.9 MB	python
17 minutes ago	Accepted	32 ms	12.7 MB	python

Testcase: Run Code Result: Debugger

Accepted Runtime: 28 ms

Your input: "RLRLRLRL"

Output: 4

Expected: 4

Activate Windows
Go to Settings to activate Windows.

Run Code Submit

