

5392. Maximum Score After Splitting a String

[My Submissions \(/contest/weekly-contest-186/problems/maximum-score-after-splitting-a-string/submissions/\)](/contest/weekly-contest-186/problems/maximum-score-after-splitting-a-string/submissions/)

[Back to Contest \(/contest/weekly-contest-186/\)](/contest/weekly-contest-186/)

Given a string s of zeros and ones, *return the maximum score after splitting the string into two **non-empty** substrings* (i.e. **left** substring and **right** substring).

The score after splitting a string is the number of **zeros** in the **left** substring plus the number of **ones** in the **right** substring.

User Accepted: 5674

User Tried: 5942

Total Accepted: 5795

Total Submissions: 11166

Difficulty: Easy

Example 1:

Input: $s = "011101"$

Output: 5

Explanation:

All possible ways of splitting s into two non-empty substrings:

left = "0" and right = "11101", score = 1 + 4 = 5

left = "01" and right = "1101", score = 1 + 3 = 4

left = "011" and right = "101", score = 1 + 2 = 3

left = "0111" and right = "01", score = 1 + 1 = 2

left = "01110" and right = "1", score = 2 + 1 = 3

Example 2:

Input: $s = "00111"$

Output: 5

Explanation: When left = "00" and right = "111", we get the maximum score = 2 + 3 = 5

Example 3:

Input: $s = "1111"$

Output: 3

Constraints:

- $2 \leq s.length \leq 500$
- The string s consists of characters '0' and '1' only.

JavaScript



1 ▾ /**

```
2  * @param {string} s
3  * @return {number}
4  */
5  const maxScore = (s) => {
6      let category = s.length - 1;
7      let allScore = [];
8      let allCategory = new Map();
9
10     for (let i = 0; i < s.length - 1; i++) {
11         allCategory.set(s.substring(0, i + 1), s.substring(i + 1, s.length));
12     }
13
14     let keys = allCategory.keys();
15
16     for (const key of keys) {
17         let eachScore = 0;
18         for (const j of key) {
19             if (j == 0) {
20                 eachScore++;
21             }
22         }
23
24         let value = allCategory.get(key);
25         for (const j of value) {
26             if (j == 1) {
27                 eachScore++;
28             }
29         }
30         allScore.push(eachScore);
31     }
32     return getMaxArr(allScore);
33 };
34
35 const getMaxArr = (arr) => {
36     let max = arr[0];
37     for (i = 1; i < arr.length; i++)
38         if (arr[i] > max)
39             max = arr[i];
40     return max;
41 };
```

☐ Custom Testcase☒ Use Example Testcases Run Submit**Submission Result: Accepted** (/submissions/detail/330205522/) ?[More Details > \(/submissions/detail/330205522/\)](/submissions/detail/330205522/)

Share your acceptance!