## 2380. Time Needed to Rearrange a Binary String

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You are given a binary string `s` . In one second, **all** occurrences of `"01"` are **simultaneously** replaced with `"10"` . This process **repeats** until no occurrences of `"01"` exist.

Return *the number of seconds needed to complete this process.*

| | |
|---|---|
| User Accepted: | 7716 |
| User Tried: | 10212 |
| Total Accepted: | 8029 |
| Total Submissions: | 19946 |
| Difficulty: | Medium |

**Example 1:**

```
Input: s = "0110101"
Output: 4
Explanation:
After one second, s becomes "1011010".
After another second, s becomes "1101100".
After the third second, s becomes "1110100".
After the fourth second, s becomes "1111000".
No occurrence of "01" exists any longer, and the process needed 4 seconds to complete,
so we return 4.
```

**Example 2:**

```
Input: s = "11100"
Output: 0
Explanation:
No occurrence of "01" exists in s, and the processes needed 0 seconds to complete,
so we return 0.
```

**Constraints:**

- `1 <= s.length <= 1000`
- `s[i]` is either `'0'` or `'1'` .

Discuss (https://leetcode.com/problems/time-needed-to-rearrange-a-binary-string/discuss)

JavaScript ▾

```javascript
 1 ▾ const secondsToRemoveOccurrences = (s) => {
 2       let res = 0, pre = s;
 3 ▾     while (1) {
 4           s = s.replaceAll("01", "10");
 5 ▾         if (pre == s) {
 6               break;
 7 ▾         } else {
 8               res++;
 9               pre = s;
10           }
11       }
12       return res;
13   };
14
```

☐ **Custom Testcase**    [ Use Example Testcases ]

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