2027. Minimum Moves to Convert String

Solved ●

Easy Topics Companies Hint

You are given a string `s` consisting of `n` characters which are either `'X'` or `'O'`.

A **move** is defined as selecting **three consecutive characters** of `s` and converting them to `'O'`. Note that if a move is applied to the character `'O'`, it will stay the **same**.

Return *the **minimum** number of moves required so that all the characters of* `s` *are converted to* `'O'`.

Example 1:

> **Input:** s = "XXX"
> **Output:** 1
> **Explanation:** XXX -> OOO
> We select all the 3 characters and convert them in one move.

Example 2:

> **Input:** s = "XXOX"
> **Output:** 2
> **Explanation:** XXOX -> OOOX -> OOOO
> We select the first 3 characters in the first move, and convert them to `'O'`.
> Then we select the last 3 characters and convert them so that the final string contains all `'O'`s.

Example 3:

> **Input:** s = "OOOO"
> **Output:** 0
> **Explanation:** There are no `'X's` in `s` to convert.

Constraints:

- `3 <= s.length <= 1000`
- `s[i]` is either `'X'` or `'O'`.

Seen this question in a real interview before? 1/5

Yes No

Accepted **41.3K** Submissions **74.4K** Acceptance Rate **55.5%**

Topics

Companies

Hint 1

Hint 2

Similar Questions

Discussion (14)