

5890. Minimum Moves to Convert String

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You are given a string `s` consisting of `n` characters which are either `'X'` or `'0'`.

A **move** is defined as selecting **three consecutive characters** of `s` and converting them to `'0'`. Note that if a move is applied to the character `'0'`, it will stay the **same**.

Return the **minimum** number of moves required so that all the characters of `s` are converted to `'0'`.

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Easy

Example 1:

Input: s = "XXX"

Output: 1

Explanation: XXX -> 000

We select all the 3 characters and convert them in one move.

Example 2:

Input: s = "XX0X"

Output: 2

Explanation: XX0X -> 000X -> 0000

We select the first 3 characters in the first move, and convert them to '0'.

Then we select the last 3 characters and convert them so that the final string contains all '0's.

Example 3:

Input: s = "0000"

Output: 0

Explanation: There are no 'X's in s to convert.

Constraints:

- 3 <= s.length <= 1000
- s[i] is either 'X' or '0'.

JavaScript

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⚙️

```
1 const minimumMoves = (s) => {
2   let res = 0, n = s.length;
3   for (let i = 0; i < n; i++) {
4     if (s[i] === 'X') {
5       i += 3;
6       res++;
7     } else {
8       i++;
9     }
10  }
11  return res;
12 }
```

☐ Custom Testcase

Use Example Testcases

Run

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Submission Result: Accepted (/submissions/detail/564822855/) ?

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