CHALLENGE 1B

X and O

Problem Description

We need to determine the number of ***fair groups*** that can be made among players of our next challenge. A fair group is one with an equal number of players that voted X or O.

Your task is to maximize the number of fair groups that can be formed from a given string of symbols, where:

- A group is formed by splitting the given string.
- A group is only fair if it contains the same number of X and O.
- Each player may be placed in exactly one group.

Return the maximum number of fair groups you can form.

Input Specification

A single string S of length 456, consisting only of the characters `X` and `O`.

Output Specification

An integer representing the maximum number of possible groups that can be found.

Sample Input

Sample Output

`XOXXOOXO`	3
`We split the string into three groups: “XO”, “XXOO”, “XO”.`	
`XOOXOOXX`	3
`We split the string into “XO”, “OX”, “OOXX”.`	