

# Problem 3228: Maximum Number of Operations to Move Ones to the End

## Problem Information

**Difficulty:** Medium

**Acceptance Rate:** 67.04%

**Paid Only:** No

**Tags:** String, Greedy, Counting

## Problem Description

You are given a binary string `s`.

You can perform the following operation on the string **any** number of times:

\* Choose **any** index `i` from the string where `i + 1 < s.length` such that `s[i] == '1'` and `s[i + 1] == '0'`. \* Move the character `s[i]` to the **right** until it reaches the end of the string or another `'1'`. For example, for `s = "010010"`, if we choose `i = 1`, the resulting string will be `s = "0\*\* \_001\_ \*\* 10"`.

Return the **maximum** number of operations that you can perform.

**Example 1:**

**Input:** s = "1001101"

**Output:** 4

**Explanation:**

We can perform the following operations:

\* Choose index `i = 0`. The resulting string is `s = "001\*\*\_1101"`. \* Choose index `i = 4`. The resulting string is `s = "0011\_01\*\*\_1"`. \* Choose index `i = 3`. The resulting string is `s = "001\*\*\_01\_\*\*11"`. \* Choose index `i = 2`. The resulting string is `s = "00\*\*\_01\_\*\*111"`.

**\*\*Example 2:\*\***

**\*\*Input:\*\*** s = "00111"

**\*\*Output:\*\*** 0

**\*\*Constraints:\*\***

\* `1 <= s.length <= 105` \* `s[i]` is either `'0` or `'1`.

## Code Snippets

**C++:**

```
class Solution {  
public:  
    int maxOperations(string s) {  
  
    }  
};
```

**Java:**

```
class Solution {  
public int maxOperations(String s) {  
  
}  
}
```

**Python3:**

```
class Solution:  
    def maxOperations(self, s: str) -> int:
```