3104. Find Longest Self-Contained Substring Premium

Hard Topics Companies Hint

Given a string `s`, your task is to find the length of the **longest self-contained** substring of `s`.

A substring `t` of a string `s` is called **self-contained** if `t != s` and for every character in `t`, it doesn't exist in the *rest* of `s`.

Return the length of the *longest self-contained* substring of `s` if it exists, otherwise, return -1.

Example 1:

> **Input:** `s = "abba"`
>
> **Output:** 2
>
> **Explanation:**
> Let's check the substring `"bb"`. You can see that no other `"b"` is outside of this substring. Hence the answer is 2.

Example 2:

> **Input:** `s = "abab"`
>
> **Output:** –1
>
> **Explanation:**
> Every substring we choose does not satisfy the described property (there is some character which is inside and outside of that substring). So the answer would be -1.

Example 3: