1759. Count Number of Homogenous Substrings

Description

Given a string `s`, return *the number of* ***homogenous*** *substrings of* `s`. Since the answer may be too large, return it **modulo** $10^9 + 7$.

A string is **homogenous** if all the characters of the string are the same.

A **substring** is a contiguous sequence of characters within a string.

Example 1:

```
Input: s = "abbcccaa"
Output: 13
Explanation: The homogenous substrings are listed as below:
"a"   appears 3 times.
"aa"  appears 1 time.
"b"   appears 2 times.
"bb"  appears 1 time.
"c"   appears 3 times.
"cc"  appears 2 times.
"ccc" appears 1 time.
3 + 1 + 2 + 1 + 3 + 2 + 1 = 13.
```

Example 2:

```
Input: s = "xy"
Output: 2
Explanation: The homogenous substrings are "x" and "y".
```

Example 3:

```
Input: s = "zzzzz"
Output: 15
```

Constraints:

- $1 <= s.length <= 10^5$
- `s` consists of lowercase letters.