Problem 2264: Largest 3-Same-Digit Number in String

Problem Information

Difficulty: Easy
Acceptance Rate: 72.73%
Paid Only: No
Tags: String

Problem Description

You are given a string `num` representing a large integer. An integer is **good** if it meets the following conditions:

* It is a **substring** of `num` with length `3`. * It consists of only one unique digit.

Return _the**maximum good** integer as a **string** or an empty string _`""`_if no such integer exists_.

Note:

* A **substring** is a contiguous sequence of characters within a string. * There may be **leading zeroes** in `num` or a good integer.

Example 1:

Input: num = "6** _777_** 133339" **Output:** "777" **Explanation:** There are two distinct good integers: "777" and "333". "777" is the largest, so we return "777".

Example 2:

Input: num = "23** _000_** 19" **Output:** "000" **Explanation:** "000" is the only good integer.

Example 3:

Input: num = "42352338" **Output:** "" **Explanation:** No substring of length 3 consists of only one unique digit. Therefore, there are no good integers.

Constraints:

* `3 <= num.length <= 1000` * `num` only consists of digits.

Code Snippets

C++:

```cpp
class Solution {
public:
string largestGoodInteger(string num) {


}
};
```

Java:

```java
class Solution {
public String largestGoodInteger(String num) {


}
}
```

Python3:

```python
class Solution:
def largestGoodInteger(self, num: str) -> str:
```