Problem 738: Monotone Increasing Digits

Problem Information

Difficulty: Medium
Acceptance Rate: 49.18%
Paid Only: No
Tags: Math, Greedy

Problem Description

An integer has **monotone increasing digits** if and only if each pair of adjacent digits `x` and `y` satisfy `x <= y`.

Given an integer `n`, return _the largest number that is less than or equal to_ `n` _with **monotone increasing digits**_.

Example 1:

Input: n = 10 **Output:** 9

Example 2:

Input: n = 1234 **Output:** 1234

Example 3:

Input: n = 332 **Output:** 299

Constraints:

* `0 <= n <= 109`

Code Snippets

C++:

```cpp
class Solution {
public:
int monotoneIncreasingDigits(int n) {


}
};
```

Java:

```java
class Solution {
public int monotoneIncreasingDigits(int n) {


}
}
```

Python3:

```python
class Solution:
def monotoneIncreasingDigits(self, n: int) -> int:
```