

# 738. Monotone Increasing Digits

## 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`

