**1163. Last Substring in Lexicographical Order**

Hard

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Given a string s, return *the last substring of* s *in lexicographical order*.

**Example 1:**

**Input:** s = "abab"

**Output:** "bab"

**Explanation:** The substrings are ["a", "ab", "aba", "abab", "b", "ba", "bab"]. The lexicographically maximum substring is "bab".

**Example 2:**

**Input:** s = "leetcode"

**Output:** "tcode"

**Constraints:**

* 1 <= s.length <= 4 \* 105
* s contains only lowercase English letters.