Given a string s, consider all *duplicated substrings*: (contiguous) substrings of s that occur 2 or more times. The occurrences may overlap.

Return **any** duplicated substring that has the longest possible length. If s does not have a duplicated substring, the answer is "".

**Example 1:**

Input: s = "banana"  
Output: "ana"

**Example 2:**

Input: s = "abcd"  
Output: ""

**Constraints:**

* 2 <= s.length <= 3 \* 104
* s consists of lowercase English letters.