**Palindrome Partitioning IV:**

Given a string s, return true *if it is possible to split the string* s *into three****non-empty****palindromic substrings. Otherwise, return*false.​​​​​

A string is said to be palindrome if it the same string when reversed.

**Example 1:**

**Input:** s = "abcbdd"

**Output:** true

**Explanation:** "abcbdd" = "a" + "bcb" + "dd", and all three substrings are palindromes.

**Example 2:**

**Input:** s = "bcbddxy"

**Output:** false

**Explanation:** s cannot be split into 3 palindromes.

**Constraints:**

* 3 <= s.length <= 2000
* s​​​​​​ consists only of lowercase English letters.