

# Cutting Binary String

You are given a binary string **s** consisting only of characters '**0**' and '**1**'. Your task is to split this string into the **minimum number** of non-empty **substrings** such that:

- Each substring represents a **power of 5** in decimal (e.g., 1, 5, 25, 125, ...).
- No substring should have **leading zeros**.

Return the **minimum number** of such pieces the string can be divided into.

**Note:** If it is **not possible** to split the string in this way, return **-1**.

**Examples:**

**Input:** `s = "101101101"`

**Output:** 3

**Explanation:** The string can be split into three substrings: "101", "101", and "101", each of which is a power of 5 with no leading zeros.

**Input:** `s = "1111101"`

**Output:** 1

**Explanation:** The string can be split into one binary string "1111101" which is 125 in decimal and a power of 5 with no leading zeros.

**Input:** `s = "00000"`

**Output:** -1

**Explanation:** There is no substring that can be split into power of 5.

**Constraints:**

$1 \leq s.size() \leq 30$