

# 2522. Partition String Into Substrings With Values at Most K

## Description

You are given a string `s` consisting of digits from `1` to `9` and an integer `k`.

A partition of a string `s` is called **good** if:

- Each digit of `s` is part of **exactly** one substring.
- The value of each substring is less than or equal to `k`.

Return *the minimum number of substrings in a good partition of* `s`. If no **good** partition of `s` exists, return `-1`.

**Note** that:

- The **value** of a string is its result when interpreted as an integer. For example, the value of `"123"` is `123` and the value of `"1"` is `1`.
- A **substring** is a contiguous sequence of characters within a string.

### Example 1:

**Input:** `s = "165462", k = 60`

**Output:** `4`

**Explanation:** We can partition the string into substrings `"16"`, `"54"`, `"6"`, and `"2"`. Each substring has a value less than or equal to `k = 60`. It can be shown that we cannot partition the string into less than 4 substrings.

### Example 2:

**Input:** `s = "238182", k = 5`

**Output:** `-1`

**Explanation:** There is no good partition for this string.

### Constraints:

- $1 \leq s.length \leq 10^5$
- `s[i]` is a digit from `'1'` to `'9'`.
- $1 \leq k \leq 10^9$

