

2091. Number of Ways to Separate Numbers

Difficulty : Hard

<https://leetcode.com/problems/number-of-ways-to-separate-numbers>

You wrote down many **positive** integers in a string called `num`. However, you realized that you forgot to add commas to separate the different numbers. You remember that the list of integers was **non-decreasing** and that **no** integer had leading zeros.

Return *the **number of possible lists of integers** that you could have written down to get the string `num`*. Since the answer may be large, return it **modulo** $10^9 + 7$.

Example 1:

Input: `num = "327"`

Output: 2

Explanation: You could have written down the numbers:

3, 27

327

Example 2:

Input: `num = "094"`

Output: 0

Explanation: No numbers can have leading zeros and all numbers must be positive.

Example 3:

Input: `num = "0"`

Output: 0

Explanation: No numbers can have leading zeros and all numbers must be positive.

Constraints:

- $1 \leq \text{num.length} \leq 3500$
- `num` consists of digits '0' through '9'.