

# 1977. Number of Ways to Separate Numbers

## Description

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'`.

