1416. Restore The Array

My Submissions (/contest/biweekly-contest-24/problems/restore-the-array/submissions/)

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A program was supposed to print an array of integers. The program forgot to print whitespaces and the array is printed as a string of digits and all we know is that all integers in the array were in the range `[1, k]` and there are no leading zeros in the array.

Given the string `s` and the integer `k`. There can be multiple ways to restore the array.

Return *the number of possible array* that can be printed as a string `s` using the mentioned program.

The number of ways could be very large so return it **modulo** `10^9 + 7`

User Accepted:	796
User Tried:	1178
Total Accepted:	852
Total Submissions:	3084
Difficulty:	Hard

Example 1:

```
Input: s = "1000", k = 10000
Output: 1
Explanation: The only possible array is [1000]
```

Example 2:

```
Input: s = "1000", k = 10
Output: 0
Explanation: There cannot be an array that was printed this way and has all integer >= 1 a
```

Example 3:

```
Input: s = "1317", k = 2000
Output: 8
Explanation: Possible arrays are [1317],[131,7],[13,17],[1,317],[13,1,7],[1,31,7],[1,3,17]
```

Example 4:

```
Input: s = "2020", k = 30
Output: 1
Explanation: The only possible array is [20,20]. [2020] is invalid because 2020 > 30. [2,0
```

Example 5:

```
Input: s = "1234567890", k = 90
Output: 34
```

Constraints:

- `1 <= s.length <= 10^5`.
- `s` consists of only digits and doesn't contain leading zeros.
- `1 <= k <= 10^9`.

Discuss (https://leetcode.com/problems/restore-the-array/discuss)

JavaScript

```
/**
 * @param {string} s
 * @param {number} k
 * @return {number}
 */
var numberOfArrays = function(s, k) {

};
```

Custom Testcase Use Example Testcases

Run Submit