

Sum of all substrings of a number

Given an integer s represented as a string, the task is to get the sum of all possible sub-strings of this string.

As the answer will be large, return answer **modulo** 10^9+7 .

Note: The number may have leading zeros.

Example 1:

Input:

$s = "1234"$

Output:

1670

Explanation:

$Sum = 1 + 2 + 3 + 4 + 12 + 23 + 34 + 123 + 234 + 1234 = 1670$

Example 2:

Input:

$s = "421"$

Output:

491

Explanation:

$Sum = 4 + 2 + 1 + 42 + 21 + 421 = 491$

Your Task:

You only need to complete the function **sumSubstrings** that takes s as an argument and returns the answer **modulo** 10^9+7 .

Expected Time Complexity: $O(|s|)$.

Expected Auxiliary Space: $O(|s|)$.

Constraints:

$1 \leq |s| \leq 10^5$

