5. You are given a string s consisting of digits and an integer k. A round can be completed if the length of s is greater than k. In one round, do the following:

Divide s into consecutive groups of size k such that the first k characters are in the first group, the next k characters are in the second group, and so on. Note that the size of the last group can be smaller than k. Replace each group of s with a string representing the sum of all its digits. For example, "346" is replaced with "13" because 3 + 4 + 6 = 13. Merge consecutive groups together to form a new string. If the length of the string is greater than k, repeat from step 1. Return s after all rounds have been completed.

Example 1: Input: s = "11111222223", k = 3 Output: "135" Explanation: • For the first round, we divide s into groups of size 3: "111", "112", "222", and "23". Then we calculate the digit sum of each group: 1 + 1 + 1 = 3, 1 + 1 + 2 = 4, 2 + 2 + 2 = 6, and 2 + 3 = 5. So, s becomes "3" + "4" + "6" + "5" = "3465" after the first round. • For the second round, we divide s into "346" and "5". Then we calculate the digit sum of each group: s + s + s + s + s = s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s - s -

Example 2: Input: s = "00000000", k = 3 Output: "000" Explanation: We divide s into "000", "000", and "00". Then we calculate the digit sum of each group: 0 + 0 + 0 = 0, and 0 + 0 = 0. s becomes "0" + "0" + "0" = "000", whose length is equal to k, so we return "000".