2950. Number of Divisible Substrings Premium Medium ♥ Topics ② Companies ۞ Hint Each character of the English alphabet has been mapped to a digit as shown below. fgh cde ab xyz uvw A string is divisible if the sum of the mapped values of its characters is divisible by its length. Given a string s, return the number of divisible substrings of s. A substring is a contiguous non-empty sequence of characters within a string. Example 1: Mapped Sum Length Divisible? Substring Yes 1 a 1 Yes d 2 1 Yes 3 1 Yes 1, 7 2 Yes as 7, 2 2 No sd df 2, 3 2 No 1, 7, 2 10 3 No asd 7, 2, 3 3 sdf 12 Yes 1, 7, 2, 3 13 No Input: word = "asdf" Output: 6 Explanation: The table above contains the details about every substring of word, and we can see that 6 of them are divisible. Example 2: Input: word = "bdh" Output: 4 Explanation: The 4 divisible substrings are: "b", "d", "h", "bdh". It can be shown that there are no other substrings of word that are divisible. Example 3: Input: word = "abcd" Output: 6 Explanation: The 6 divisible substrings are: "a", "b", "c", "d", "ab", "cd". It can be shown that there are no other substrings of word that are divisible. Constraints: • 1 <= word.length <= 2000 word consists only of lowercase English letters. Seen this question in a real interview before? 1/5 Yes No Accepted 1.9K Submissions 2.6K Acceptance Rate 73.5% ♥ Topics Hash Table String Counting Prefix Sum **©** Companies 0 - 3 months IBM 5 Wayfair 2 0 - 6 months Paytm 5 Amdocs 2 Q Hint 1 Iterate over all substrings in 0(n * n). ♀ Hint 2 For each substring, try to calculate the sum of the mapped values in 0(1). O Hint 3 To do the above, use a partial sum array. Discussion (1)

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