3119. Maximum Number of Potholes That Can Be Fixed Personnel Medium ♥ Topics ② Companies ۞ Hint You are given a string road, consisting only of characters "x" and ".", where each "x" denotes a pothole and each "." denotes a smooth road, and an integer budget. In one repair operation, you can repair n consecutive potholes for a price of n + 1. Return the maximum number of potholes that can be fixed such that the sum of the prices of all of the fixes doesn't go over the given budget. Example 1: **Input:** road = "..", budget = 5 Output: 0 **Explanation:** There are no potholes to be fixed. Example 2: Input: road = "..xxxxx", budget = 4 Output: 3 **Explanation:** We fix the first three potholes (they are consecutive). The budget needed for this task is 3 + 1 = 4. Example 3: Input: road = "x.x.xxx...x", budget = 14 Output: 6 **Explanation:** We can fix all the potholes. The total cost would be (1 + 1) + (1 + 1) + (3 + 1) + (1 + 1) = 10 which is within our budget of 14. Constraints: • 1 <= road.length <= 10⁵ • $1 \le \text{budget} \le 10^5 + 1$ road consists only of characters '.' and 'x'. Seen this question in a real interview before? 1/5 Yes No Submissions 2.5K Acceptance Rate 57.1% Accepted 1.4K ♥ Topics String Greedy Sorting € Companies 0 - 3 months Geico 7 Microsoft 2 Q Hint 1 Find all consecutive blocks of 'x'. O Hint 2 Sort them by their length. Q Hint 3 Try to fix the block from the largest one until you have enough budget. O Discussion (2)

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