320. Generalized Abbreviation Premium Medium A word's generalized abbreviation can be constructed by taking any number of nonoverlapping and non-adjacent substrings and replacing them with their respective lengths. For example, "abcde" can be abbreviated into: "a3e" ("bcd" turned into "3") "1bcd1" ("a" and "e" both turned into "1") "5" ("abcde" turned into "5") "abcde" (no substrings replaced) However, these abbreviations are invalid: "23" ("ab" turned into "2" and "cde" turned into "3") is invalid as the substrings chosen are adjacent. "22de" ("ab" turned into "2" and "bc" turned into "2") is invalid as the substring chosen overlap. Given a string word, return a list of all the possible generalized abbreviations of word. Return the answer in any order. Example 1: Input: word = "word" Output: ["4","3d","2r1","2rd","1o2","1o1d","1or1","1ord","w3","w2d","w1r1" ,"w1rd","wo2","wo1d","wor1","word"] Example 2: Input: word = "a" Output: ["1","a"] Constraints: • 1 <= word.length <= 15 word consists of only lowercase English letters. Seen this question in a real interview before? 1/5 Yes No Accepted 72.9K Submissions 121.9K Acceptance Rate 59.8% Topics Backtracking Bit Manipulation String Companies 0 - 6 months Google 2 Subsets Medium Unique Word Abbreviation 🚡 Medium Minimum Unique Word Abbreviation 🍖 Discussion (6)

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