**17. Letter Combinations of a Phone Number**

Medium

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Given a string containing digits from 2-9 inclusive, return all possible letter combinations that the number could represent. Return the answer in **any order**.

A mapping of digit to letters (just like on the telephone buttons) is given below. Note that 1 does not map to any letters.

图片包含 电子, 计算器, 监控, 屏幕

描述已自动生成

**Example 1:**

**Input:** digits = "23"

**Output:** ["ad","ae","af","bd","be","bf","cd","ce","cf"]

**Example 2:**

**Input:** digits = ""

**Output:** []

**Example 3:**

**Input:** digits = "2"

**Output:** ["a","b","c"]

**Constraints:**

* 0 <= digits.length <= 4
* digits[i] is a digit in the range ['2', '9'].