

Letter Combinations of a Phone Number

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51956 Total

Submissions: 202710 Difficulty: Medium

Question

Solution

Given a digit string, return all possible letter combinations that the number could represent.

A mapping of digit to letters (just like on the telephone buttons) is given below.

**Input:** Digit string "23"**Output:** ["ad", "ae", "af", "bd", "be", "bf", "cd", "ce", "cf"].**Note:**

Although the above answer is in lexicographical order, your answer could be in any order you want.

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```
1 /**
2  * Return an array of size *returnSize.
3  * Note: The returned array must be malloced, assume caller calls free().
4  */
5 char** letterCombinations(char* digits, int* returnSize) {
6
7 }
```

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