

Letter Combinations of a Phone Number (/problems/letter-combinations-of-a-phone-number/)

Submission Detail

25 / 25 test cases passed.

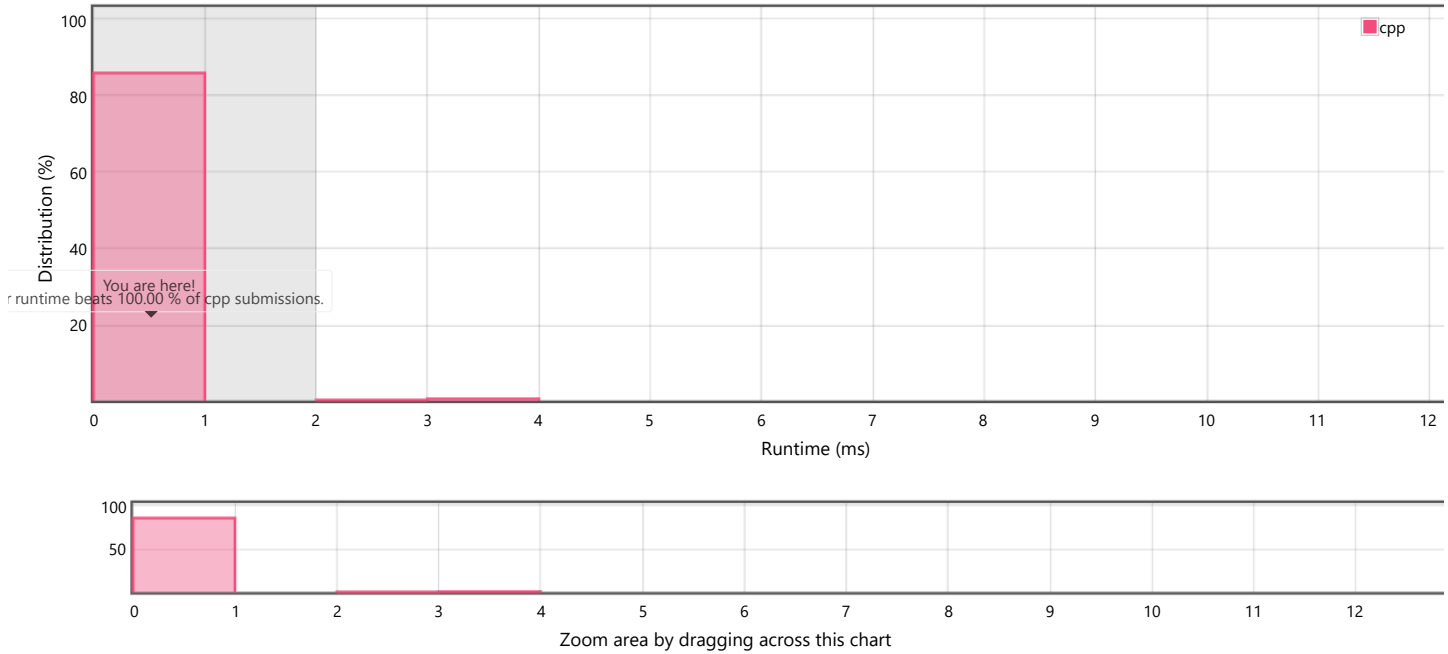
Runtime: 0 ms

Memory Usage: 6.6 MB

Status: Accepted

Submitted: 0 minutes ago

Accepted Solutions Runtime Distribution



Accepted Solutions Memory Distribution



Invite friends to challenge Letter Combinations of a Phone Number

◀ 35

Submitted Code: 0 minutes ago

Language: cpp

Edit Code


```
1 class Solution {
2 public:
```

```
3     vector<string> letterCombinations(string digits) {
4
5
6
7         vector<vector<char>> keyboard = {{},{},{'a','b','c'},{'d','e','f'},{'g','h','i'},\
8                                         {'j','k','l'},{'m','n','o'},{'p','q','r','s'},\
9                                         {'t','u','v'},{'w','x','y','z'}};
10
11         int index = 0;
12         vector<string> ans;
13
14         if(digits.empty())
15             return ans;
16
17         while(index<digits.size())
18         {
19             int temp_dig = digits[index] - 48;
20             if(temp_dig>1 && temp_dig<=9)
21             {
22                 if(ans.empty())
23                 {
24                     for(char c: keyboard[temp_dig])
25                     {
26
27                         string str;
28                         str += c;
29                         ans.push_back(str);
30                     }
31                 }
32                 else
33                 {
34                     vector<string> temp;
35                     for(string str: ans)
36                     {
37                         for(char c: keyboard[temp_dig])
38                             temp.push_back(str + c);
39                     }
40
41                     ans = temp;
42                 }
43             }
44
45             index++;
46         }
47
48         return ans;
49     }
50 }
```

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