

Problem List

DescriptionAcceptedEditorialSolutionsSubmissions

3491. Phone Number Prefix

Premium

Solved

Easy

Topics

Hint

You are given a string array `numbers` that represents phone numbers. Return `true` if no phone number is a prefix of any other phone number; otherwise, return `false`.

Example 1:

Input: `numbers = ["1","2","4","3"]`

Output: `true`

Explanation:

No number is a prefix of another number, so the output is `true`.

Example 2:

Input: `numbers = ["001","007","15","00153"]`

Output: `false`

Explanation:

The string `"001"` is a prefix of the string `"00153"`. Thus, the output is `false`.

Constraints:

- `2 <= numbers.length <= 50`
- `1 <= numbers[i].length <= 50`
- All numbers contain only digits `'0'` to `'9'`.

Seen this question in a real interview before? 1/5

Yes

No

Accepted 1,571 / 2.2K | Acceptance Rate 70.7%

Topics

Hint 1

Hint 2

Discussion (2)

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0 Online

Code

Python3Auto

```
1 class Solution:
2     def phonePrefix(self, numbers: List[str]) -> bool:
3
4         for i in range(0, len(numbers)):
5             for j in range(0, len(numbers)):
6                 if i != j:
7                     length = len(numbers[i])
8                     if numbers[i] == numbers[j][:length]:
9                         return False
10
11         return True
12
13
14
```

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Testcase

Test Result

Accepted

Runtime: 0 ms

Case 1

Case 2

Input

numbers = ["1","2","4","3"]

Output

true

Expected