

Problem 1554: Strings Differ by One Character

Problem Information

Difficulty: Medium

Acceptance Rate: 40.57%

Paid Only: Yes

Tags: Hash Table, String, Rolling Hash, Hash Function

Problem Description

Given a list of strings `dict` where all the strings are of the same length.

Return `true` if there are 2 strings that only differ by 1 character in the same index, otherwise return `false`.

Example 1:

Input: dict = ["abcd", "acbd", "aacd"] **Output:** true **Explanation:** Strings "a**b** cd" and "a**a** cd" differ only by one character in the index 1.

Example 2:

Input: dict = ["ab", "cd", "yz"] **Output:** false

Example 3:

Input: dict = ["abcd", "cccc", "abyd", "abab"] **Output:** true

Constraints:

* The number of characters in `dict` ≤ 105 * `dict[i].length == dict[j].length` * `dict[i]` should be unique. * `dict[i]` contains only lowercase English letters.

Code Snippets

C++:

```
class Solution {  
public:  
    bool differByOne(vector<string>& dict) {  
  
    }  
};
```

Java:

```
class Solution {  
    public boolean differByOne(String[] dict) {  
  
    }  
}
```

Python3:

```
class Solution:  
    def differByOne(self, dict: List[str]) -> bool:
```