Problem 2452: Words Within Two Edits of Dictionary

Problem Information

Difficulty: Medium
Acceptance Rate: 61.60%
Paid Only: No
Tags: Array, String, Trie

Problem Description

You are given two string arrays, `queries` and `dictionary`. All words in each array comprise of lowercase English letters and have the same length.

In one **edit** you can take a word from `queries`, and change any letter in it to any other letter. Find all words from `queries` that, after a **maximum** of two edits, equal some word from `dictionary`.

Return _a list of all words from_`queries` _,__that match with some word from_`dictionary` _after a maximum of**two edits**_. Return the words in the **same order** they appear in `queries`.

Example 1:

Input: queries = ["word","note","ants","wood"], dictionary = ["wood","joke","moat"]
Output: ["word","note","wood"] **Explanation:** - Changing the 'r' in "word" to 'o' allows it to equal the dictionary word "wood". - Changing the 'n' to 'j' and the 't' to 'k' in "note" changes it to "joke". - It would take more than 2 edits for "ants" to equal a dictionary word. - "wood" can remain unchanged (0 edits) and match the corresponding dictionary word. Thus, we return ["word","note","wood"].

Example 2:

Input: queries = ["yes"], dictionary = ["not"] **Output:** [] **Explanation:** Applying any two edits to "yes" cannot make it equal to "not". Thus, we return an empty array.

Constraints:

* `1 <= queries.length, dictionary.length <= 100` * `n == queries[i].length ==
dictionary[j].length` * `1 <= n <= 100` * All `queries[i]` and `dictionary[j]` are composed of
lowercase English letters.

Code Snippets

C++:

```cpp
class Solution {
public:
vector<string> twoEditWords(vector<string>& queries, vector<string>&
dictionary) {


}
};
```

Java:

```java
class Solution {
public List<String> twoEditWords(String[] queries, String[] dictionary) {


}
}
```

Python3:

```python
class Solution:
def twoEditWords(self, queries: List[str], dictionary: List[str]) ->
List[str]:
```