

Problem 245: Shortest Word Distance III

Problem Information

Difficulty: Medium

Acceptance Rate: 59.27%

Paid Only: Yes

Tags: Array, String

Problem Description

Given an array of strings `wordsDict` and two strings that already exist in the array `word1` and `word2`, return _the shortest distance between the occurrence of these two words in the list_.

Note that `word1` and `word2` may be the same. It is guaranteed that they represent **two individual words** in the list.

Example 1:

```
**Input:** wordsDict = ["practice", "makes", "perfect", "coding", "makes"], word1 = "makes",  
word2 = "coding" **Output:** 1
```

Example 2:

```
**Input:** wordsDict = ["practice", "makes", "perfect", "coding", "makes"], word1 = "makes",  
word2 = "makes" **Output:** 3
```

Constraints:

* `1 <= wordsDict.length <= 105` * `1 <= wordsDict[i].length <= 10` * `wordsDict[i]` consists of lowercase English letters. * `word1` and `word2` are in `wordsDict`.

Code Snippets

C++:

```
class Solution {  
public:  
    int shortestWordDistance(vector<string>& wordsDict, string word1, string  
word2) {  
  
    }  
};
```

Java:

```
class Solution {  
public int shortestWordDistance(String[] wordsDict, String word1, String  
word2) {  
  
}  
}
```

Python3:

```
class Solution:  
    def shortestWordDistance(self, wordsDict: List[str], word1: str, word2: str)  
-> int:
```