

245. Shortest Word Distance III

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Given a list of words and two words *word1* and *word2*, return the shortest distance between these two words in the list.

word1 and *word2* may be the same and they represent two individual words in the list.

Example:

Assume that words = ["practice", "makes", "perfect", "coding", "nakes"]

```
Input: word1 = "makes", word2 = "coding"
Output: 1
```

Input: word1 = "nakes", word2 = "nakes"
Output: 3

Note:

You may assume *word1* and *word2* are both in the list.

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```
1 class Solution(object):
2     def shortestWordDistance(self,
3         words, word1, word2):
4         :type words: List[str]
5         :type word1: str
6         :type word2: str
7         :rtype: int
8
9
```

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