6315. Count the Number of Vowel Strings in Range

My Submissions (/contest/weekly-contest-336/problems/count-the-number-of-vowel-strings-in-range/submissions/)

Back to Contest (/contest/weekly-contest-336/)

You are given a **0-indexed** array of string `words` and two integers `left` and `right`.

A string is called a **vowel string** if it starts with a vowel character and ends with a vowel character where vowel characters are `'a'`, `'e'`, `'i'`, `'o'`, and `'u'`.

Return *the number of vowel strings* `words[i]` *where* `i` *belongs to the inclusive range* `[left, right]`.

User Accepted:	11622
User Tried:	12058
Total Accepted:	12021
Total Submissions:	15302
Difficulty:	Easy

Example 1:

```
Input: words = ["are","amy","u"], left = 0, right = 2
Output: 2
Explanation:
- "are" is a vowel string because it starts with 'a' and ends with 'e'.
- "amy" is not a vowel string because it does not end with a vowel.
- "u" is a vowel string because it starts with 'u' and ends with 'u'.
The number of vowel strings in the mentioned range is 2.
```

Example 2:

```
Input: words = ["hey","aeo","mu","ooo","artro"], left = 1, right = 4
Output: 3
Explanation:
- "aeo" is a vowel string because it starts with 'a' and ends with 'o'.
- "mu" is not a vowel string because it does not start with a vowel.
- "ooo" is a vowel string because it starts with 'o' and ends with 'o'.
- "artro" is a vowel string because it starts with 'a' and ends with 'o'.
The number of vowel strings in the mentioned range is 3.
```

Constraints:

- `1 <= words.length <= 1000`
- `1 <= words[i].length <= 10`
- `words[i]` consists of only lowercase English letters.
- `0 <= left <= right < words.length`

Python

```python
class Solution(object):
    def vowelStrings(self, words, left, right):
        """
        :type words: List[str]
        :type left: int
        :type right: int
        :rtype: int
        """
        count = 0
        for word in words[left:right+1]:
            if len(word) >= 2 and word[0] in "aeiou" and word[-1] in "aeiou":
                count += 1
            elif len(word) == 1 and word in "aeiou":
                count += 1
        return count

```

Custom Testcase Use Example Testcases

Run Submit