Words Score

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In this challenge, the task is to debug the existing code to successfully execute all provided test files.

Consider that vowels in the alphabet are `a, e, i, o, u` and `y`.

Function `score_words` takes a list of lowercase words as an argument and returns a score as follows:

The score of a single word is **2** if the word contains an even number of vowels. Otherwise, the score of this word is **1**. The score for the whole list of words is the sum of scores of all words in the list.

Debug the given function `score_words` such that it returns a correct score.

Your function will be tested on several cases by the locked template code.

Input Format

The input is read by the provided locked code template. In the first line, there is a single integer n denoting the number of words. In the second line, there are n space-separated lowercase words.

Constraints

- $1 \leq n \leq 20$
- Each word has at most **20** letters and all letters are English lowercase letters

Output Format

The output is produced by the provided and locked code template. It calls function `score_words` with the list of words read from the input as the argument and prints the returned score to the output.

Sample Input 0

```
2
hacker book
```

Sample Output 0

```
4
```

Explanation 0

There are two words in the input: `hacker` and `book`. The score of the word `hacker` is **2** because it contains an even number of vowels, i.e. **2** vowels, and the score of `book` is **2** for the same reason. Thus the total score is $2 + 2 = 4$.

Sample Input 1

3
programming is awesome

Sample Output 1

4

Explanation 1

There are **3** words in the input: `programming`, `is` and `awesome`. The score of `programming` is **1** since it contains **3** vowels, an odd number of vowels. The score of `is` is also **1** because it has an odd number of vowels. The score of `awesome` is **2** since it contains **4** vowels, an even number of vowels. Thus, the total score is $1+1+2=4$.

Change Theme Language Python 3

```
def is_vowel(letter):
    return letter in ['a', 'e', 'i', 'o', 'u', 'y']

def score_words(words):
    score = 0
    for word in words:
        num_vowels = 0
        for letter in word:
            if is_vowel(letter):
                num_vowels += 1
        if num_vowels % 2 == 0:
            score += 2
        else:
            score += 1
    return score

…
```

EMACS Line: 1 Col: 1

Upload Code as File Test against custom input Run Code Submit Code

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Next Challenge

Test case 0 Compiler Message

Test case 1

Success

Test case 2

Input (stdin) Download

```
2
hacker book
```

Test case 3

Test case 4

Expected Output Download

```
4
```

Test case 5

Test case 6