2559. Count Vowel Strings in Ranges

Solved ●

Medium   🏷 Topics   🏢 Companies   ♀ Hint

You are given a **0-indexed** array of strings `words` and a 2D array of integers `queries`.

Each query `queries[i] = [l_i, r_i]` asks us to find the number of strings present in the range l_i to r_i (both **inclusive**) of `words` that start and end with a vowel.

Return *an array* `ans` *of size* `queries.length`, *where* `ans[i]` *is the answer to the* i th *query*.

Note that the vowel letters are `'a'`, `'e'`, `'i'`, `'o'`, and `'u'`.

Example 1:

> **Input:** words = ["aba","bcb","ece","aa","e"], queries = [[0,2],[1,4],[1,1]]
> **Output:** [2,3,0]
> **Explanation:** The strings starting and ending with a vowel are "aba", "ece", "aa" and "e".
> The answer to the query [0,2] is 2 (strings "aba" and "ece").
> to query [1,4] is 3 (strings "ece", "aa", "e").
> to query [1,1] is 0.
> We return [2,3,0].

Example 2:

> **Input:** words = ["a","e","i"], queries = [[0,2],[0,1],[2,2]]
> **Output:** [3,2,1]
> **Explanation:** Every string satisfies the conditions, so we return [3,2,1].

Constraints:

- `1 <= words.length <= 10^5`

- `1 <= words[i].length <= 40`

- `words[i]` consists only of lowercase English letters.

- `sum(words[i].length) <= 3 * 10^5`

- `1 <= queries.length <= 10^5`

- `0 <= l_i <= r_i < words.length`

Seen this question in a real interview before?   1/5

Yes   No

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