966. Vowel Spellchecker

Solved ●

Medium 🏷 Topics ▣

Given a `wordlist`, we want to implement a spellchecker that converts a query word into a correct word.

For a given `query` word, the spell checker handles two categories of spelling mistakes:

- Capitalization: If the query matches a word in the wordlist (**case-insensitive**), then the query word is returned with the same case as the case in the wordlist.
  - Example: `wordlist = ["yellow"]`, `query = "YellOw"`: `correct = "yellow"`

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- Vowel Errors: If after replacing the vowels `('a', 'e', 'i', 'o', 'u')` of the query word with any vowel individually, it matches a word in the wordlist (**case-insensitive**), then the query word is returned with the same case as the match in the wordlist.
  - Example: `wordlist = ["YellOw"]`, `query = "yollow"`: `correct = "YellOw"`

  - Example: `wordlist = ["YellOw"]`, `query = "yeellow"`: `correct = ""` (no match)

  - Example: `wordlist = ["YellOw"]`, `query = "yllw"`: `correct = ""` (no match)

In addition, the spell checker operates under the following precedence rules:

- When the query exactly matches a word in the wordlist (**case-sensitive**), you should return the same word back.

- When the query matches a word up to capitlization, you should return the first such match in the wordlist.

- When the query matches a word up to vowel errors, you should return the first such match in the wordlist.

- If the query has no matches in the wordlist, you should return the empty string.

Given some `queries`, return a list of words `answer`, where `answer[i]` is the correct word for `query = queries[i]`.

Example 1:

Input: wordlist = ["KiTe","kite","hare","Hare"], queries = ["kite","Kite","KiTe","Hare","HARE","Hear","hear","keti","keet","keto"]
Output: ["kite","KiTe","KiTe","Hare","hare","","","KiTe","","KiTe"]

Example 2:

Input: wordlist = ["yellow"], queries = ["YellOw"]
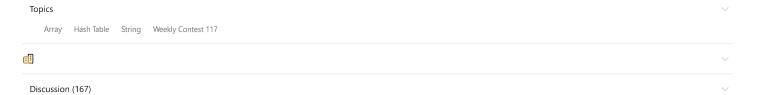**Output:** ["yellow"]

Constraints:

- `1 <= wordlist.length, queries.length <= 5000`

- `1 <= wordlist[i].length, queries[i].length <= 7`

- `wordlist[i]` and `queries[i]` consist only of only English letters.

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

Yes   No

Accepted **130.716** /212.5K | Acceptance Rate **61.5** %

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