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"
  + Example: wordlist = ["Yellow"], query = "yellow": correct = "Yellow"
  + Example: wordlist = ["yellow"], query = "yellow": correct = "yellow"
* 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"]

**Note:**

* 1 <= wordlist.length <= 5000
* 1 <= queries.length <= 5000
* 1 <= wordlist[i].length <= 7
* 1 <= queries[i].length <= 7
* All strings in wordlist and queries consist only of **english** letters.