Problem 500: Keyboard Row

Problem Information

Difficulty: Easy
Acceptance Rate: 73.20%
Paid Only: No
Tags: Array, Hash Table, String

Problem Description

Given an array of strings `words`, return _the words that can be typed using letters of the alphabet on only one row of American keyboard like the image below_.

Note that the strings are **case-insensitive** , both lowercased and uppercased of the same letter are treated as if they are at the same row.

In the **American keyboard** :

* the first row consists of the characters `"qwertyuiop"`, * the second row consists of the characters `"asdfghjkl"`, and * the third row consists of the characters `"zxcvbnm"`.

Example 1:

Input: words = ["Hello","Alaska","Dad","Peace"]

Output: ["Alaska","Dad"]

Explanation:

Both `"a"` and `"A"` are in the 2nd row of the American keyboard due to case insensitivity.

Example 2:

Input: words = ["omk"]

Output: []

Example 3:

Input: words = ["adsdf","sfd"]

Output: ["adsdf","sfd"]

Constraints:

* `1 <= words.length <= 20` * `1 <= words[i].length <= 100` * `words[i]` consists of English letters (both lowercase and uppercase).

Code Snippets

C++:

```
class Solution {
public:
vector<string> findWords(vector<string>& words) {

}
};
```

Java:

```
class Solution {
public String[] findWords(String[] words) {

}
}
```

Python3:

```
class Solution:
def findWords(self, words: List[str]) -> List[str]:
```