

Problem 916: Word Subsets

Problem Information

Difficulty: Medium

Acceptance Rate: 55.85%

Paid Only: No

Tags: Array, Hash Table, String

Problem Description

You are given two string arrays `words1` and `words2`.

A string `b` is a **subset** of string `a` if every letter in `b` occurs in `a` including multiplicity.

* For example, `"wrr"` is a subset of `"warrior"` but is not a subset of `"world"`.

A string `a` from `words1` is **universal** if for every string `b` in `words2`, `b` is a subset of `a`.

Return an array of all the **universal** strings in `words1`. You may return the answer in **any** order.

Example 1:

Input: `words1 = ["amazon", "apple", "facebook", "google", "leetcode"], words2 = ["e", "o"]`

Output: `["facebook", "google", "leetcode"]`

Example 2:

Input: `words1 = ["amazon", "apple", "facebook", "google", "leetcode"], words2 = ["lc", "eo"]`

Output: `["leetcode"]`

Example 3:

****Input:**** words1 = ["acaac","cccbb","aacbb","caacc","bcbbb"], words2 = ["c","cc","b"]

****Output:**** ["cccbb"]

****Constraints:****

* `1 <= words1.length, words2.length <= 104` * `1 <= words1[i].length, words2[i].length <= 10`
* `words1[i]` and `words2[i]` consist only of lowercase English letters. * All the strings of
`words1` are ****unique****.

Code Snippets

C++:

```
class Solution {
public:
    vector<string> wordSubsets(vector<string>& words1, vector<string>& words2) {

    }
};
```

Java:

```
class Solution {
    public List<String> wordSubsets(String[] words1, String[] words2) {

    }
}
```

Python3:

```
class Solution:
    def wordSubsets(self, words1: List[str], words2: List[str]) -> List[str]:
```