# Problem 758: Bold Words in String

## Problem Information

**Difficulty:** Medium
**Acceptance Rate:** 52.36%
**Paid Only:** Yes
**Tags:** Array, Hash Table, String, Trie, String Matching

## Problem Description

Given an array of keywords `words` and a string `s`, make all appearances of all keywords `words[i]` in `s` bold. Any letters between `<b>` and `</b>` tags become bold.

Return `s` _after adding the bold tags_. The returned string should use the least number of tags possible, and the tags should form a valid combination.

**Example 1:**

**Input:** words = ["ab","bc"], s = "aabcd" **Output:** "a<b>abc</b>d" **Explanation:** Note that returning "a<b>a<b>b</b>c</b>d" would use more tags, so it is incorrect.

**Example 2:**

**Input:** words = ["ab","cb"], s = "aabcd" **Output:** "a<b>ab</b>cd"

**Constraints:**

* `1 <= s.length <= 500` * `0 <= words.length <= 50` * `1 <= words[i].length <= 10` * `s` and `words[i]` consist of lowercase English letters.

**Note:** This question is the same as [616\. Add Bold Tag in String](https://leetcode.com/problems/add-bold-tag-in-string/description/).

## Code Snippets

**C++:**

```cpp
class Solution {
public:
string boldWords(vector<string>& words, string s) {

}
};
```

**Java:**

```java
class Solution {
public String boldWords(String[] words, String s) {

}
}
```

**Python3:**

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