

758. Bold Words in String

Medium👍 215🗨 108❤️ Add to List🔗 Share

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><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: <https://leetcode.com/problems/add-bold-tag-in-string/>

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Hide Hint 1

First, determine which letters are bold and store that information in `mask[i]` = if `i`-th character is bold. Then, insert the tags at the beginning and end of groups. The start of a group is if and only if (`mask[i]` and (`i` == 0 or not `mask[i-1]`)), and the end of a group is similar.

```
1class Solution {
2    public String boldWords(String[] words, String s) {
3    }
4    }
5}
```

