758. Bold Words in String Premium

Medium   🏷 Topics   🏢 Companies   💡 Hint

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](#).

Seen this question in a real interview before?   1/5

Yes   No

Accepted **19.4K** | Submissions **37.6K** | Acceptance Rate **51.7%**

🏷 Topics   ⌃

   Array   Hash Table   String   Trie   String Matching

🏢 Companies   ⌃

   0 - 6 months

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💡 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.

💬 Discussion (3)   ⌄