Given a set of keywords words and a string S, make all appearances of all keywords in S bold. Any letters between <b> and </b> tags become bold.

The returned string should use the least number of tags possible, and of course the tags should form a valid combination.

For example, given that words = ["ab", "bc"] and S = "aabcd", we should return "a<b>abc</b>d". Note that returning "a<b>a<b>b</b>c</b>d" would use more tags, so it is incorrect.

**Constraints:**

* words has length in range [0, 50].
* words[i] has length in range [1, 10].
* S has length in range [0, 500].
* All characters in words[i] and S are lowercase letters.

**Note:** This question is the same as 616: <https://leetcode.com/problems/add-bold-tag-in-string/>