

1181. Before and After Puzzle

Medium 55 115 Add to List Share

Given a list of `phrases`, generate a list of Before and After puzzles.

A *phrase* is a string that consists of lowercase English letters and spaces only. No space appears in the start or the end of a phrase. There are no consecutive spaces in a phrase.

Before and After puzzles are phrases that are formed by merging two phrases where the **last word of the first phrase** is the same as the **first word of the second phrase**.

Return the Before and After puzzles that can be formed by every two phrases `phrases[i]` and `phrases[j]` where `i != j`. Note that the order of matching two phrases matters, we will consider both orders.

You should return a list of **distinct strings sorted lexicographically**.

Example 1:

Input: phrases = ["writing code","code rocks"]
Output: ["writing code rocks"]

Example 2:

Input: phrases = ["mission statement",
"a quick bite to eat",
"a chip off the old block",
"chocolate bar",
"mission impossible",
"a man on a mission",
"block party",
"eat my words",
"bar of soap"]
Output: ["a chip off the old block party",
"a man on a mission impossible",
"a man on a mission statement",
"a quick bite to eat my words",
"chocolate bar of soap"]

Example 3:

Input: phrases = ["a","b","a"]
Output: ["a"]

Constraints:

- 1 <= phrases.length <= 100
- 1 <= phrases[i].length <= 100

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