472. Concatenated Words

Difficulty: Hard

https://leetcode.com/problems/concatenated-words

Given an array of strings words (without duplicates), return all the concatenated words in the given list of words.

A **concatenated word** is defined as a string that is comprised entirely of at least two shorter words (not necessarily distinct) in the given array.

Example 1:

```
Input: words = ["cat","cats","catsdogcats","dog","dogcatsdog","hippopotamuses","rat","ratcatdogcat"]
Output: ["catsdogcats","dogcatsdog","ratcatdogcat"]
Explanation: "catsdogcats" can be concatenated by "cats", "dog" and "cats";
"dogcatsdog" can be concatenated by "dog", "cats" and "dog";
"ratcatdogcat" can be concatenated by "rat", "cat", "dog" and "cat".
```

Example 2:

```
Input: words = ["cat","dog","catdog"]
Output: ["catdog"]
```

Constraints:

- 1 <= words.length <= 10^4
- 1 <= words[i].length <= 30
- words[i] consists of only lowercase English letters.
- All the strings of words are **unique**.
- 1 <= $sum(words[i].length) <= 10^5$