

472. 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:

- $1 \leq \text{words.length} \leq 10^4$
- $1 \leq \text{words}[i].\text{length} \leq 30$
- $\text{words}[i]$ consists of only lowercase English letters.
- All the strings of words are unique.
- $1 \leq \sum(\text{words}[i].\text{length}) \leq 10^5$