425. Word Squares Premium

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Given an array of **unique** strings `words`, return *all the* **word squares** *you can build from* `words`. The same word from `words` can be used **multiple times**. You can return the answer in **any order**.

A sequence of strings forms a valid **word square** if the k^{th} row and column read the same string, where `0 <= k < max(numRows, numColumns)`.

- For example, the word sequence `["ball","area","lead","lady"]` forms a word square because each word reads the same both horizontally and vertically.

Example 1:

```
Input: words = ["area","lead","wall","lady","ball"]
Output: [["ball","area","lead","lady"],
["wall","area","lead","lady"]]
Explanation:
The output consists of two word squares. The order of output does
not matter (just the order of words in each word square matters).
```

Example 2:

```
Input: words = ["abat","baba","atan","atal"]
Output: [["baba","abat","baba","atal"],
["baba","abat","baba","atan"]]
Explanation:
The output consists of two word squares. The order of output does
not matter (just the order of words in each word square matters).
```

Constraints:

- `1 <= words.length <= 1000`
- `1 <= words[i].length <= 4`
- All `words[i]` have the same length.
- `words[i]` consists of only lowercase English letters.
- All `words[i]` are **unique**.

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

Yes No

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