422. Valid Word Square Premium

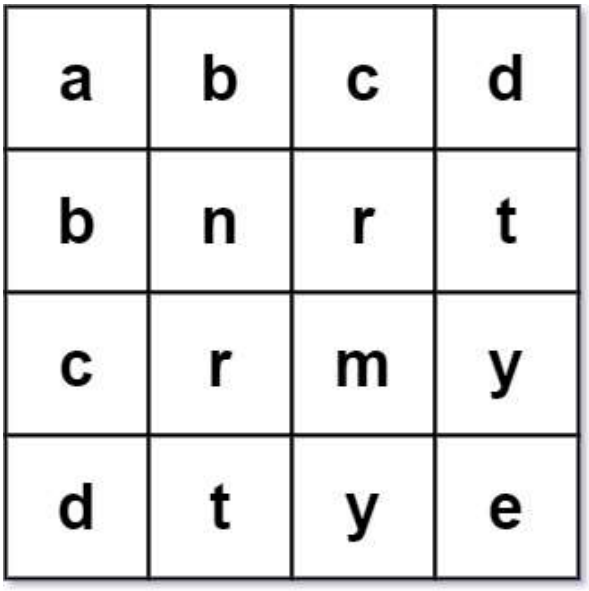
Solved ●

Easy Topics Companies

Given an array of strings `words`, return `true` *if it forms a valid* ***word square***.

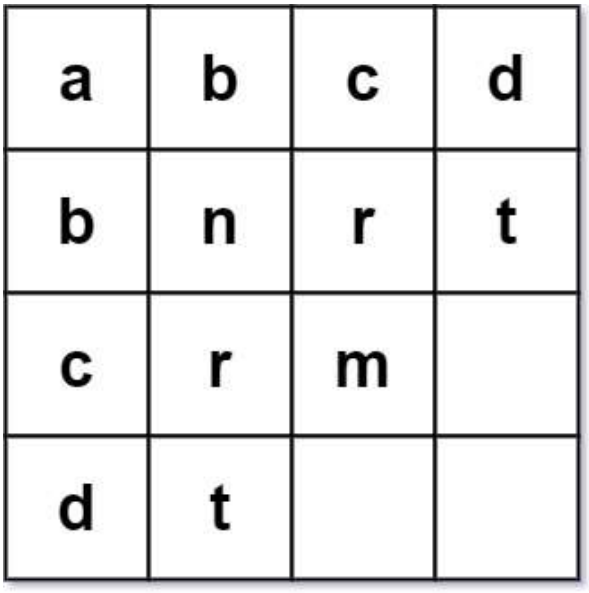
A sequence of strings forms a valid **word square** if the `k^th` row and column read the same string, where `0 <= k < max(numRows, numColumns)`.

Example 1:



> **Input:** words = ["abcd","bnrt","crmy","dtye"]
> **Output:** true
> **Explanation:**
> The 1st row and 1st column both read "abcd".
> The 2nd row and 2nd column both read "bnrt".
> The 3rd row and 3rd column both read "crmy".
> The 4th row and 4th column both read "dtye".
> Therefore, it is a valid word square.

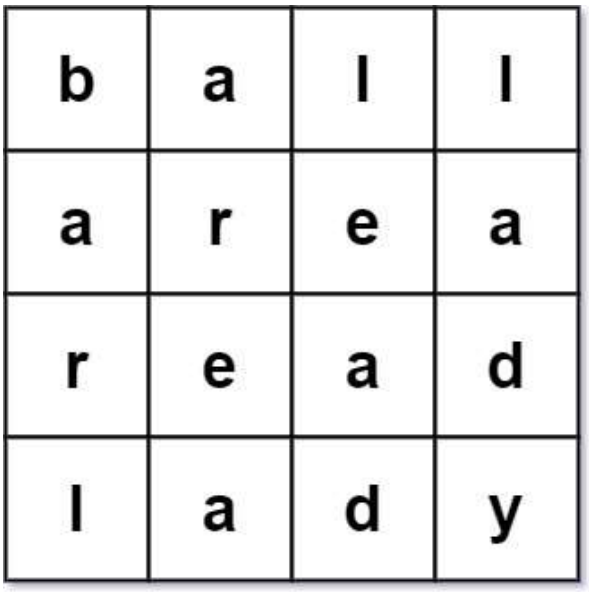
Example 2:



> **Input:** words = ["abcd","bnrt","crm","dt"]
> **Output:** true

> **Explanation:**
> The 1st row and 1st column both read "abcd".
> The 2nd row and 2nd column both read "bnrt".
> The 3rd row and 3rd column both read "crm".
> The 4th row and 4th column both read "dt".
> Therefore, it is a valid word square.

Example 3:



> **Input:** words = ["ball","area","read","lady"]
> **Output:** false
> **Explanation:**
> The 3rd row reads "read" while the 3rd column reads "lead".
> Therefore, it is NOT a valid word square.

Constraints:

- `1 <= words.length <= 500`
- `1 <= words[i].length <= 500`
- `words[i]` consists of only lowercase English letters.

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

Yes No

Accepted 62.6K Submissions 150K Acceptance Rate 41.7%

Topics

Companies

Similar Questions

Discussion (7)