

Unknown Title



Description

Description



Note

Note



Editorial

Editorial



Solutions

Solutions



Submissions

Submissions

</>

Code

Code



Testcase

Testcase

>_

Test Result

Test Result



Leet

Leet

x

290. Word Pattern

Easy



Topics

Companies

Given a pattern and a string s , find if s follows the same pattern.

Here **follow** means a full match, such that there is a bijection between a letter in pattern and a **non-empty** word in s . Specifically:

- Each letter in pattern maps to **exactly** one unique word in s .
- Each unique word in s maps to **exactly** one letter in pattern.
- No two letters map to the same word, and no two words map to the same letter.

Example 1:

Input: pattern = "abba", s = "dog cat cat dog"

Output: true

Explanation:

The bijection can be established as:

- 'a' maps to "dog".

- 'b' maps to "cat".

Example 2:

Input: pattern = "abba", s = "dog cat cat fish"

Output: false

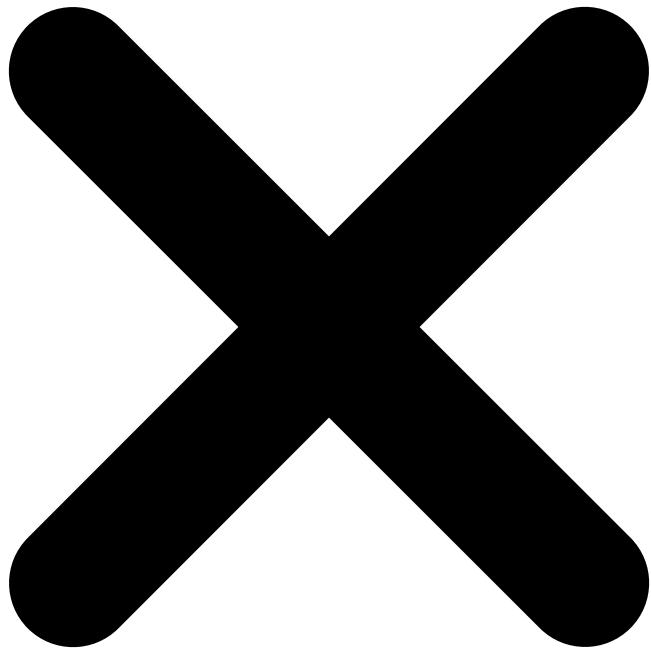
Example 3:

Input: pattern = "aaaa", s = "dog cat cat dog"

Output: false

Constraints:

- $1 \leq \text{pattern.length} \leq 300$
- pattern contains only lower-case English letters.
- $1 \leq \text{s.length} \leq 3000$
- s contains only lowercase English letters and spaces ' '.
- s **does not contain** any leading or trailing spaces.
- All the words in s are separated by a **single space**.



Seen this question in a real interview before?

1/5

Yes

No

Accepted

1,054,391/2.4M

Acceptance Rate

43.7%



Topics



Hash TableString



Companies



Discussion (325)



Discussion Rules



1. Please don't post **any solutions** in this discussion.
2. The problem discussion is for asking questions about the problem or for sharing tips - anything except for solutions.
3. If you'd like to share your solution for feedback and ideas, please head to the solutions tab and post it there.



dkashi

Dec 31, 2022

Poorly worded problem. Here is an attempt to explain it better.

Given a pattern and a string s, find if s follows the same pattern. pattern and s are same if:

1. each character in pattern represents a word in s
2. No two distinct characters in pattern can represent the same word in s
3. No single character in pattern can represent two distinct words in s.

e.g.:

1. pattern = 'abab'; s = 'dog cat dog cat'; return True
'a' represents 'dog' and 'b' represents cat

2. pattern = 'abcb'; s = 'dog cat dog cat'; return False

'a' represents 'dog', 'b' represents 'cat'. Then 'c' cannot represent 'dog' again as 'a' already represents 'dog' (#2 condition is: No two distinct characters in pattern i.e. 'a' and 'c' can represent same word i.e 'dog').

3. pattern = 'abcb'; s = 'dog cat hat cat'; return True

'a' represents 'dog'; 'b' represents 'cat'; 'c' represents 'hat'; and last 'cat' is already represented by 'b' and last character in pattern is also 'b'.

Hope this helps!

^

Read more

Tip

↑

743

↓

Q

Show 24 Replies

↪

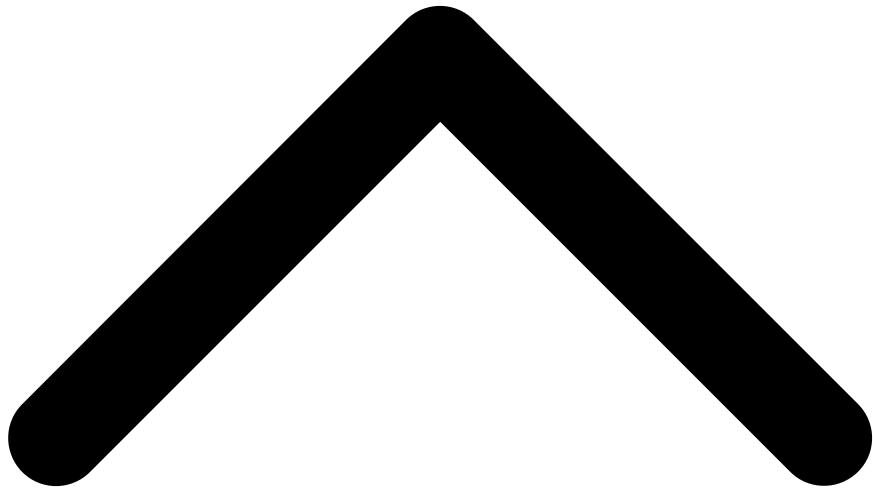
Reply



Rohit Mittal

Oct 06, 2015

Worst problem statement ever! Please explain and re-write the problem statement.



Read more



310



Show 12 Replies



Reply

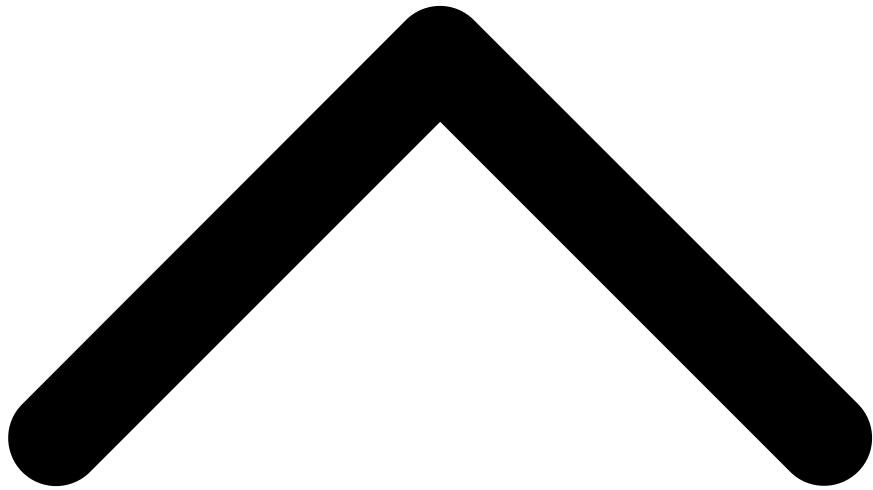


Rohit Ramteke



Jan 01, 2023

This question level needs to medium..
agree or not..



Read more



358



Show 7 Replies



Reply

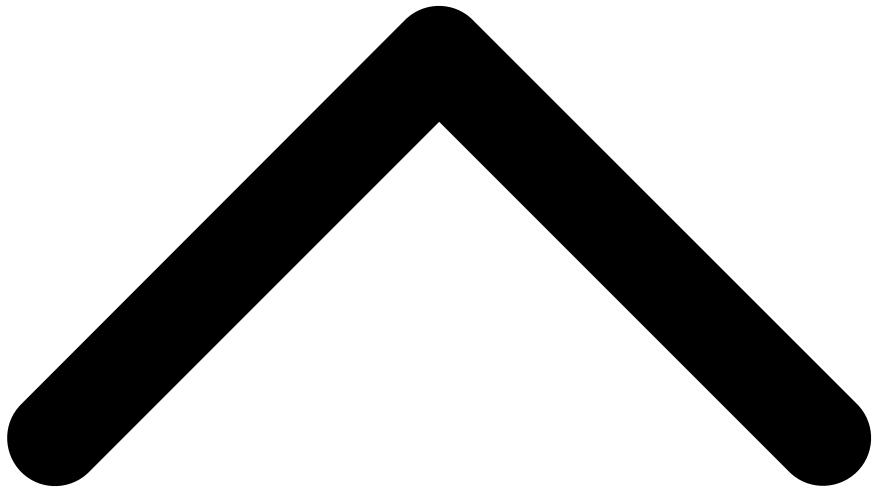


[pieceofpie](#)



Dec 31, 2022

Easy-difficulty problem to start out the year 2023! Happy new year and wish you all the best!!!



Read more



145



Show 11 Replies



Reply



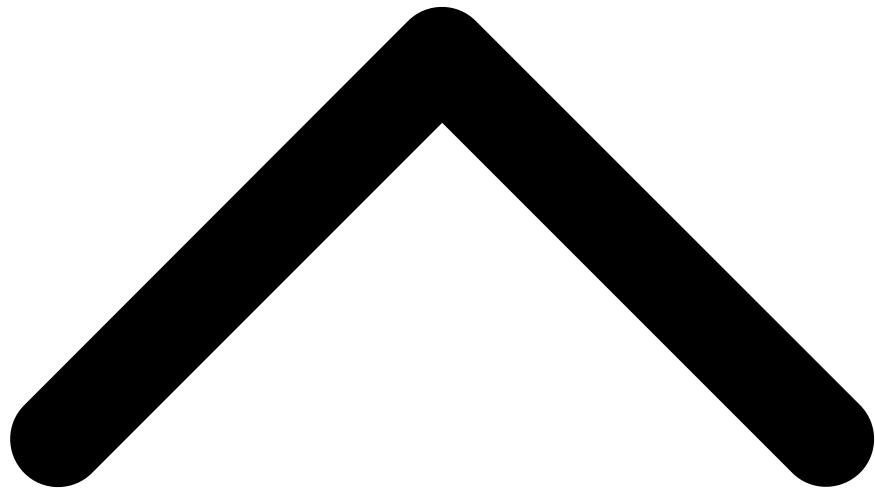
Naman



Jan 01, 2023

A Hard but easy problem to finish the year.
And now An Easy but hard problem to start the year.

Well Played LeetCode 🎉



[Read more](#)



79



[Show 2 Replies](#)



[Reply](#)



[Frederic Chen](#)

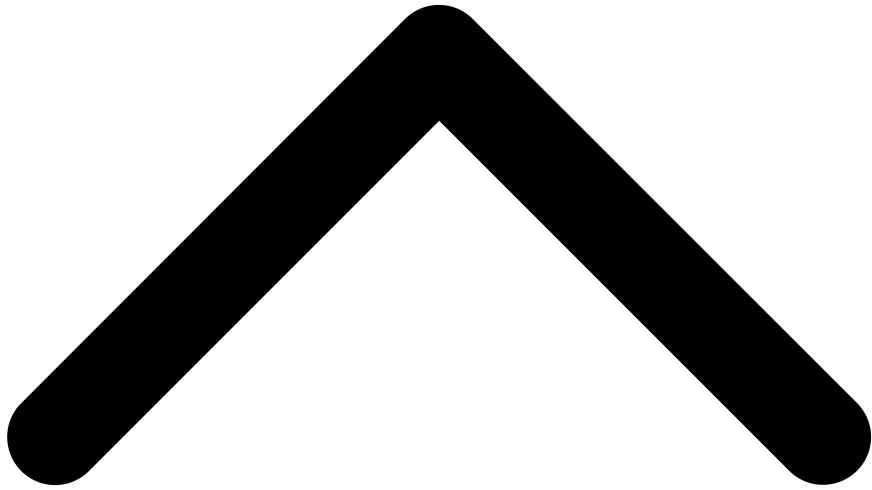
Oct 05, 2015

when input

'aaa'

'aa aa aa aa'

leetcode give true and it should be false I think



Read more



59



Show 9 Replies

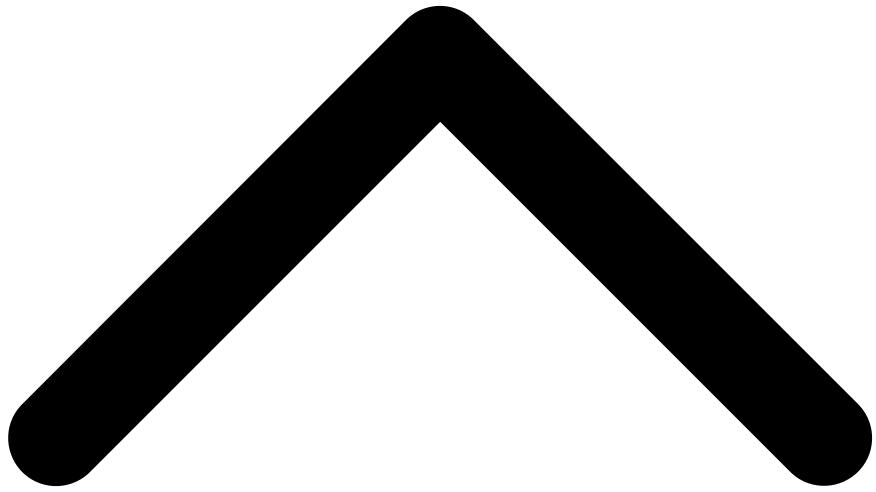


Reply



luofun

Oct 26, 2017



[Read more](#)



[Read more](#)



50



[Show 5 Replies](#)



[Reply](#)

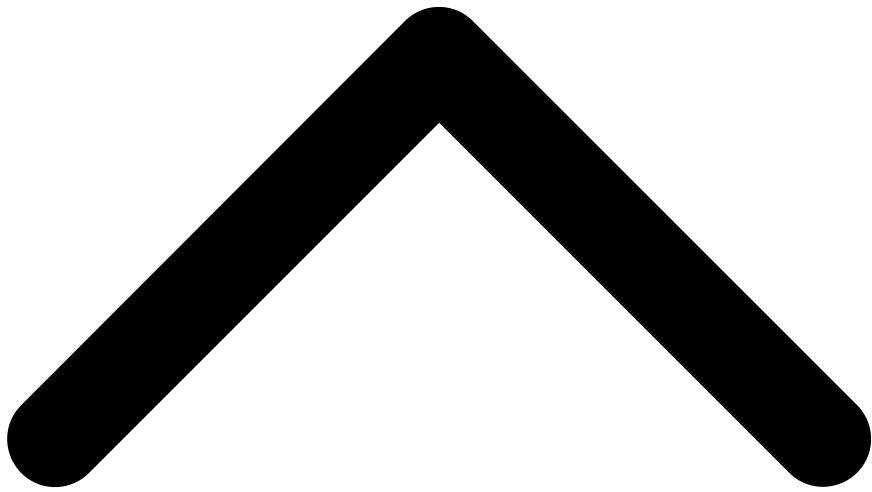


[devhindo](#)



Jan 01, 2023

this should be a medium problem



Read more



46



Show 1 Replies



Reply

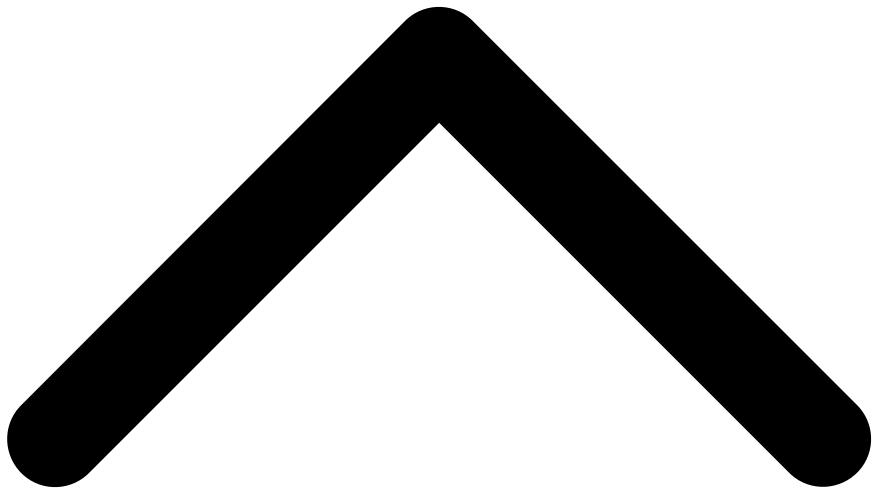


[microshadow](#)



Dec 31, 2022

Thanks God, 2023 begins with an easy problem, this would mean all of the people in LeetCode community would have an easy 2023! Happy new year to Everyone!



[Read more](#)



42



[Show 1 Replies](#)



[Reply](#)

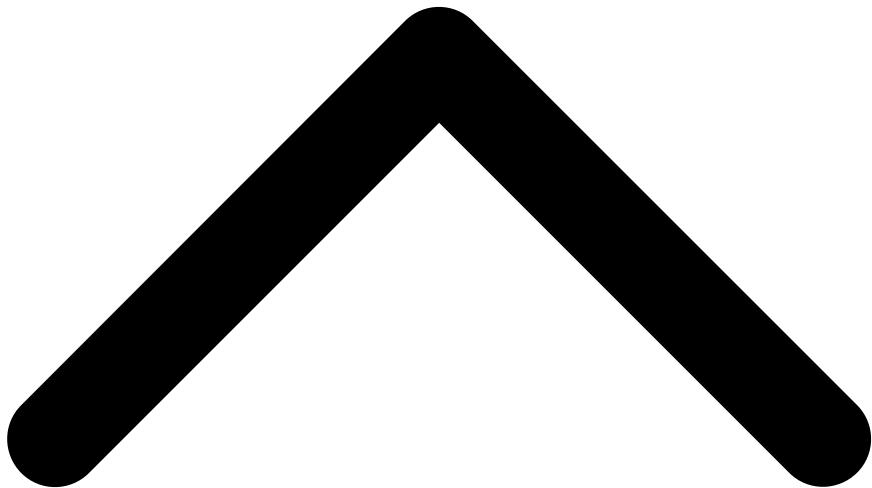


[webguru77777](#)



Jun 30, 2023

For javascript/typescript leetcoders. Watch out "constructor" for when using plain object ({}). Test case 40 has "constructor" to fail the codes using plain objects. Use Map instead of plain objects.



Read more



33



Show 8 Replies



Reply

Copyright © 2026 LeetCode. All rights reserved.



31 Online

```
1  
2  
3  
4  
5  
class Solution {  
    public boolean wordPattern(String pattern, String s) {  
        }  
    }
```



Saved

Ln 1, Col 1

You must run your code first



Stuck? Leet guides you through every line.

[Subscribe to Premium](#)



[Qwen-Flash](#)



FindHeaderBarSize

FindTabBarSize

FindBorderBarSize