

Problem 2828: Check if a String Is an Acronym of Words

Problem Information

Difficulty: [Easy](#)

Acceptance Rate: 0.00%

Paid Only: No

Problem Description

Given an array of strings

words

and a string

s

, determine if

s

is an

acronym

of words.

The string

s

is considered an acronym of

words

if it can be formed by concatenating the

first

character of each string in

words

in order

. For example,

"ab"

can be formed from

```
["apple", "banana"]
```

, but it can't be formed from

```
["bear", "aardvark"]
```

Return

true

if

S

is an acronym of

words

, and

false

otherwise.

Example 1:

Input:

```
words = ["alice", "bob", "charlie"], s = "abc"
```

Output:

true

Explanation:

The first character in the words "alice", "bob", and "charlie" are 'a', 'b', and 'c', respectively. Hence, s = "abc" is the acronym.

Example 2:

Input:

```
words = ["an", "apple"], s = "a"
```

Output:

false

Explanation:

The first character in the words "an" and "apple" are 'a' and 'a', respectively. The acronym formed by concatenating these characters is "aa". Hence, s = "a" is not the acronym.

Example 3:

Input:

```
words = ["never", "gonna", "give", "up", "on", "you"], s = "ngguoy"
```

Output:

true

Explanation:

By concatenating the first character of the words in the array, we get the string "ngguoy". Hence, s = "ngguoy" is the acronym.

Constraints:

$1 \leq \text{words.length} \leq 100$

$1 \leq \text{words[i].length} \leq 10$

$1 \leq \text{s.length} \leq 100$

words[i]

and

s

consist of lowercase English letters.

Code Snippets

C++:

```
class Solution {
public:
    bool isAcronym(vector<string>& words, string s) {
        }
};
```

Java:

```
class Solution {  
    public boolean isAcronym(List<String> words, String s) {  
  
    }  
}
```

Python3:

```
class Solution:  
    def isAcronym(self, words: List[str], s: str) -> bool:
```

Python:

```
class Solution(object):  
    def isAcronym(self, words, s):  
        """  
        :type words: List[str]  
        :type s: str  
        :rtype: bool  
        """
```

JavaScript:

```
/**  
 * @param {string[]} words  
 * @param {string} s  
 * @return {boolean}  
 */  
var isAcronym = function(words, s) {  
  
};
```

TypeScript:

```
function isAcronym(words: string[], s: string): boolean {  
  
};
```

C#:

```
public class Solution {  
    public bool IsAcronym(IList<string> words, string s) {
```

```
}
```

```
}
```

C:

```
bool isAcronym(char** words, int wordsSize, char* s) {  
  
}
```

Go:

```
func isAcronym(words []string, s string) bool {  
  
}
```

Kotlin:

```
class Solution {  
    fun isAcronym(words: List<String>, s: String): Boolean {  
  
    }  
}
```

Swift:

```
class Solution {  
    func isAcronym(_ words: [String], _ s: String) -> Bool {  
  
    }  
}
```

Rust:

```
impl Solution {  
    pub fn is_acronym(words: Vec<String>, s: String) -> bool {  
  
    }  
}
```

Ruby:

```
# @param {String[]} words
# @param {String} s
# @return {Boolean}
def is_acronym(words, s)

end
```

PHP:

```
class Solution {

    /**
     * @param String[] $words
     * @param String $s
     * @return Boolean
     */
    function isAcronym($words, $s) {

    }
}
```

Dart:

```
class Solution {
  bool isAcronym(List<String> words, String s) {
    }
}
```

Scala:

```
object Solution {
  def isAcronym(words: List[String], s: String): Boolean = {
    }
}
```

Elixir:

```
defmodule Solution do
  @spec is_acronym([String.t], String.t) :: boolean
  def is_acronym(words, s) do
```

```
end  
end
```

Erlang:

```
-spec is_acronym(Words :: [unicode:unicode_binary()], S ::  
unicode:unicode_binary()) -> boolean().  
is_acronym(Words, S) ->  
.
```

Racket:

```
(define/contract (is-acronym words s)  
(-> (listof string?) string? boolean?)  
)
```

Solutions

C++ Solution:

```
/*  
* Problem: Check if a String Is an Acronym of Words  
* Difficulty: Easy  
* Tags: array, string  
*  
* Approach: Use two pointers or sliding window technique  
* Time Complexity: O(n) or O(n log n)  
* Space Complexity: O(1) to O(n) depending on approach  
*/  
  
class Solution {  
public:  
    bool isAcronym(vector<string>& words, string s) {  
  
    }  
};
```

Java Solution:

```

/**
 * Problem: Check if a String Is an Acronym of Words
 * Difficulty: Easy
 * Tags: array, string
 *
 * Approach: Use two pointers or sliding window technique
 * Time Complexity: O(n) or O(n log n)
 * Space Complexity: O(1) to O(n) depending on approach
 */

class Solution {
    public boolean isAcronym(List<String> words, String s) {
        ...
    }
}

```

Python3 Solution:

```

"""
Problem: Check if a String Is an Acronym of Words
Difficulty: Easy
Tags: array, string

Approach: Use two pointers or sliding window technique
Time Complexity: O(n) or O(n log n)
Space Complexity: O(1) to O(n) depending on approach
"""

class Solution:
    def isAcronym(self, words: List[str], s: str) -> bool:
        # TODO: Implement optimized solution
        pass

```

Python Solution:

```

class Solution(object):
    def isAcronym(self, words, s):
        """
:type words: List[str]
:type s: str
:rtype: bool
"""

```

JavaScript Solution:

```
/**  
 * Problem: Check if a String Is an Acronym of Words  
 * Difficulty: Easy  
 * Tags: array, string  
 *  
 * Approach: Use two pointers or sliding window technique  
 * Time Complexity: O(n) or O(n log n)  
 * Space Complexity: O(1) to O(n) depending on approach  
 */  
  
/**  
 * @param {string[]} words  
 * @param {string} s  
 * @return {boolean}  
 */  
var isAcronym = function(words, s) {  
  
};
```

TypeScript Solution:

```
/**  
 * Problem: Check if a String Is an Acronym of Words  
 * Difficulty: Easy  
 * Tags: array, string  
 *  
 * Approach: Use two pointers or sliding window technique  
 * Time Complexity: O(n) or O(n log n)  
 * Space Complexity: O(1) to O(n) depending on approach  
 */  
  
function isAcronym(words: string[], s: string): boolean {  
  
};
```

C# Solution:

```
/*  
 * Problem: Check if a String Is an Acronym of Words  
 * Difficulty: Easy
```

```

* Tags: array, string
*
* Approach: Use two pointers or sliding window technique
* Time Complexity: O(n) or O(n log n)
* Space Complexity: O(1) to O(n) depending on approach
*/
public class Solution {
    public bool IsAcronym(IList<string> words, string s) {
}
}

```

C Solution:

```

/*
* Problem: Check if a String Is an Acronym of Words
* Difficulty: Easy
* Tags: array, string
*
* Approach: Use two pointers or sliding window technique
* Time Complexity: O(n) or O(n log n)
* Space Complexity: O(1) to O(n) depending on approach
*/
bool isAcronym(char** words, int wordsSize, char* s) {
}

```

Go Solution:

```

// Problem: Check if a String Is an Acronym of Words
// Difficulty: Easy
// Tags: array, string
//
// Approach: Use two pointers or sliding window technique
// Time Complexity: O(n) or O(n log n)
// Space Complexity: O(1) to O(n) depending on approach

func isAcronym(words []string, s string) bool {
}

```

```
}
```

Kotlin Solution:

```
class Solution {  
    fun isAcronym(words: List<String>, s: String): Boolean {  
        //  
        //  
        //  
        return true  
    }  
}
```

Swift Solution:

```
class Solution {  
    func isAcronym(_ words: [String], _ s: String) -> Bool {  
        //  
        //  
        //  
        return true  
    }  
}
```

Rust Solution:

```
// Problem: Check if a String Is an Acronym of Words  
// Difficulty: Easy  
// Tags: array, string  
//  
// Approach: Use two pointers or sliding window technique  
// Time Complexity: O(n) or O(n log n)  
// Space Complexity: O(1) to O(n) depending on approach  
  
impl Solution {  
    pub fn is_acronym(words: Vec<String>, s: String) -> bool {  
        //  
        //  
        //  
        return true  
    }  
}
```

Ruby Solution:

```
# @param {String[]} words  
# @param {String} s  
# @return {Boolean}  
def is_acronym(words, s)
```

```
end
```

PHP Solution:

```
class Solution {  
  
    /**  
     * @param String[] $words  
     * @param String $s  
     * @return Boolean  
     */  
    function isAcronym($words, $s) {  
  
    }  
}
```

Dart Solution:

```
class Solution {  
bool isAcronym(List<String> words, String s) {  
  
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```

Scala Solution:

```
object Solution {  
def isAcronym(words: List[String], s: String): Boolean = {  
  
}  
}
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Elixir Solution:

```
defmodule Solution do  
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def is_acronym(words, s) do  
  
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Erlang Solution:

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    unicode:unicode_binary()) -> boolean().  
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(define/contract (is-acronym words s)  
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