Problem Submissions Solutions Lachezar

Ambigram Detection

Question 1013 of 1031

Medium

You are given a lowercase alphabet string `s` and a two-dimensional list of strings `pairs`. Each element in `pairs` contains `[a, b]` meaning that character `a` and `b` are considered equivalent. We say that if `a` and `b` are equivalent and `b` and `c` are equivalent, then `a` and `c` are also equivalent. Also, any character `a` is equivalent to itself.

Return whether `s` is a palindrome given the equivalence relations.

Constraints

- `0 ≤ n ≤ 100,000` where `n` is the length of `s`
- `0 ≤ p ≤ 100,000` where `p` is the length of `p`

Example 1

Input

```
s = "acba"
pairs = [
    ["b", "c"]
]
```

Output

```
true
```

Explanation

Since `"b" = "c"`, we have `"acba" = "acca"`, which is a palindrome.

Example 2

Input

```
s = "zz"
pairs = []
```

Output

```
true
```

Explanation

`"z"` is equivalent to itself.

Example 3

Input

```
s = "ac"
pairs = [
    ["a", "b"],
    ["b", "c"]
]
```

Output

```
true
```

Explanation

Since `"a" = "c"`, we have `"ac" = "cc"`, which is a palindrome.

Solved 609 Attempted 773 Rate 78.79%

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Contributed by **Rajatk133**, **sunnyguan** and 1 other +

```java
import java.util.*;

class Solution {
    public boolean solve(String s, String[][] pairs) {

    }
}
```

Lachezar 57
254 1 0

6 XP until next level

Java Run Submit