Problem 205: Isomorphic Strings

Problem Information

Difficulty: Easy
Acceptance Rate: 47.64%
Paid Only: No
Tags: Hash Table, String

Problem Description

Given two strings `s` and `t`, _determine if they are isomorphic_.

Two strings `s` and `t` are isomorphic if the characters in `s` can be replaced to get `t`.

All occurrences of a character must be replaced with another character while preserving the order of characters. No two characters may map to the same character, but a character may map to itself.

Example 1:

Input: s = "egg", t = "add"

Output: true

Explanation:

The strings `s` and `t` can be made identical by:

* Mapping `'e'` to `'a'`. * Mapping `'g'` to `'d'`.

Example 2:

Input: s = "foo", t = "bar"

Output: false

Explanation:

The strings `s` and `t` can not be made identical as `'o'` needs to be mapped to both `'a'` and `'r'`.

Example 3:

Input: s = "paper", t = "title"

Output: true

Constraints:

* `1 <= s.length <= 5 * 104` * `t.length == s.length` * `s` and `t` consist of any valid ascii character.

Code Snippets

C++:

```
class Solution {
public:
bool isIsomorphic(string s, string t) {

}
};
```

Java:

```
class Solution {
public boolean isIsomorphic(String s, String t) {

}
}
```

Python3:

```
class Solution:
def isIsomorphic(self, s: str, t: str) -> bool:
```