import java.util.HashMap;

import java.util.HashSet;

public class IsomerphicStrings{

public class Solution {

public boolean isIsomorphic(String s, String t) {

if (s.length() != t.length())

return false;

HashMap<Character, Character> stot = new HashMap<Character, Character>();

HashMap<Character, Character> ttos = new HashMap<Character, Character>();

for (int i = 0; i < s.length(); i ++){

if (stot.containsKey(s.charAt(i))){

if (stot.get(s.charAt(i)) != t.charAt(i)){

return false;

}

}

if (ttos.containsKey(t.charAt(i))){

if (ttos.get(t.charAt(i)) != s.charAt(i)){

return false;

}

}

stot.put(s.charAt(i), t.charAt(i));

ttos.put(t.charAt(i), s.charAt(i));

}

return true;

}

}}