

290. Word Pattern

题目描述： <https://leetcode.com/problems/word-pattern/>

给定两个字符串判断，判断1的字符和2的wordpattern是否相同。

例如：

```
pattern = "abba", str = "dog cat cat dog" should return true.  
pattern = "abba", str = "dog cat cat fish" should return false.  
pattern = "aaaa", str = "dog cat cat dog" should return false.  
pattern = "abba", str = "dog dog dog dog" should return false.
```

解题思路：

map

代码：

```

class Solution {
public:
    bool wordPattern(string pattern, string str) {
        stringstream ss(str);
        map<char, string> a;
        map<string, char> b;
        string word;
        int i = -1;
        cout<<endl;
        while(ss >> word){
            if(++i >= pattern.size())
                return false;
            if(a.count(pattern[i]) == 0 && b.count(word) == 0){
                a.insert(pair<char, string>(pattern[i],word));
                b.insert(pair<string, char>(word, pattern[i]));
                cout << "pattern[i]:" << pattern[i]<<" word:"<<word<<endl;
            }
            else if(a.count(pattern[i]) != 0){
                if(a[pattern[i]]==word)
                    continue;
                return false;
            }
            else{
                if(b[word] == pattern[i])
                    continue;
                return false;
            }
        }
        if(i != pattern.size()-1)
            return false;
        return true;
    }
};

```