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290. Word Pattern

Easy 2060 237 Add to List Share

Given a `pattern` and a string `s`, find if `s` follows the same pattern.

Here **follow** means a full match, such that there is a bijection between a letter in `pattern` and a **non-empty** word in `s`.

Example 1:

```
Input: pattern = "abba", s = "dog cat cat dog"
Output: true
```

Example 2:

```
Input: pattern = "abba", s = "dog cat cat fish"
Output: false
```

Example 3:

```
Input: pattern = "aaaa", s = "dog cat cat dog"
Output: false
```

Example 4:

```
Input: pattern = "abba", s = "dog dog dog dog"
Output: false
```

Constraints:

- `1 <= pattern.length <= 300`
- `pattern` contains only lower-case English letters.
- `1 <= s.length <= 3000`
- `s` contains only lower-case English letters and spaces `' '`.
- `s` **does not contain** any leading or trailing spaces.
- All the words in `s` are separated by a **single space**

```python
class Solution:
    def wordPattern(self, pattern: str, s: str) -> bool:

 # form a dictionary of pattern as keys & s as values

        sec= s.split(" ")
        di={}

        if len(pattern) == len(sec) :

            for i in range(0, len(pattern)):

                if pattern[i] not in di :

                    if sec[i] not in di.values() :
                        di.update({ pattern[i] : sec[i] })
                    else :
                        return False
                else :
                    if sec[i] != di[pattern[i]] :
                        return False

            return True

        else :
            return False
```

Testcase | Run Code Result | Debugger

Accepted Runtime: 40 ms

Your input
"abba"
"dog cat cat dog"

Output true Diff

Expected true

Console Use Example Testcases Run Code Submit