

# Problem 1773: Count Items Matching a Rule

## Problem Information

**Difficulty:** Easy

**Acceptance Rate:** 85.15%

**Paid Only:** No

**Tags:** Array, String

## Problem Description

You are given an array `items`, where each `items[i] = [typei, colori, namei]` describes the type, color, and name of the `ith` item. You are also given a rule represented by two strings, `ruleKey` and `ruleValue`.

The `ith` item is said to match the rule if \*\*one\*\* of the following is true:

- \* `ruleKey == "type"` and `ruleValue == typei` .
- \* `ruleKey == "color"` and `ruleValue == colori` .
- \* `ruleKey == "name"` and `ruleValue == namei` .

Return \_the number of items that match the given rule\_.

**Example 1:**

**Input:** items =  
[["phone", "blue", "pixel"], ["computer", "silver", "lenovo"], ["phone", "gold", "iphone"]], ruleKey = "color", ruleValue = "silver"  
**Output:** 1  
**Explanation:** There is only one item matching the given rule, which is ["computer", "silver", "lenovo"].

**Example 2:**

**Input:** items =  
[["phone", "blue", "pixel"], ["computer", "silver", "phone"], ["phone", "gold", "iphone"]], ruleKey = "type", ruleValue = "phone"  
**Output:** 2  
**Explanation:** There are only two items matching the given rule, which are ["phone", "blue", "pixel"] and ["phone", "gold", "iphone"]. Note that the item ["computer", "silver", "phone"] does not match.

**\*\*Constraints:\*\***

\* `1 <= items.length <= 104` \* `1 <= typei.length, colori.length, namei.length, ruleValue.length <= 10` \* `ruleKey` is equal to either `"type"`, `"color"`, or `"name"`. \* All strings consist only of lowercase letters.

## Code Snippets

**C++:**

```
class Solution {
public:
    int countMatches(vector<vector<string>>& items, string ruleKey, string
ruleValue) {

}
};
```

**Java:**

```
class Solution {
public int countMatches(List<List<String>> items, String ruleKey, String
ruleValue) {

}
```

**Python3:**

```
class Solution:
    def countMatches(self, items: List[List[str]], ruleKey: str, ruleValue: str)
-> int:
```