

Description

Solution

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Submissions

Python3

Autocomplete

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1880. Check if Word Equals Summation of Two Words

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The **letter value** of a letter is its position in the alphabet **starting from 0** (i.e. 'a' -> 0, 'b' -> 1, 'c' -> 2, etc.).

The **numerical value** of some string of lowercase English letters *s* is the **concatenation** of the **letter values** of each letter in *s*, which is then **converted** into an integer.

- For example, if *s* = "acb", we concatenate each letter's letter value, resulting in "021". After converting it, we get 21.

You are given three strings *firstWord*, *secondWord*, and *targetWord*, each consisting of lowercase English letters 'a' through 'j' **inclusive**.

Return *true* if the **summation** of the **numerical values** of *firstWord* and *secondWord* equals the **numerical value** of *targetWord*, or *false* otherwise.

Example 1:

Input: *firstWord* = "acb", *secondWord* = "cba",
targetWord = "cdb"

Output: true

```

1 class Solution:
2     def isSumEqual(self, firstWord: str, secondWord:
3         str, targetWord: str) -> bool:
4         list=
5         ['a','b','c','d','e','f','g','h','i','j']
6         for v in firstWord:
7             str1= []
8             str1.append(list.index(v))
9             str11= [str(i) for i in str1]
10            f1_str= "".join(str11)
11
12        for v in secondWord:
13            str2= []
14            str2.append(list.index(v))
15            str22= [str(i) for i in str2]
16            f2_str= "".join(str22)
17
18        for v in targetWord:
19            str3= []
20            str3.append(list.index(v))
21            str33= [str(i) for i in str3]
22            f3_str= "".join(str33)
23
24        if int(f1_str) + int(f2_str) == int(f3_str):
25            return True
26        return False
27

```

Problems

Pick One

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1880/1889

Next >

Console

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