

599. Minimum Index Sum of Two Lists

Easy

883

259

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Suppose Andy and Doris want to choose a restaurant for dinner, and they both have a list of favorite restaurants represented by strings.

You need to help them find out their **common interest** with the **least list index sum**. If there is a choice tie between answers, output all of them with no order requirement. You could assume there always exists an answer.

Example 1:

Input: list1 = ["Shogun","Tapioca Express","Burger King","KFC"], list2 = ["Piatti","The Grill at Torrey Pines","Hungry Hunter Steakhouse","Shogun"]

Output: ["Shogun"]

Explanation: The only restaurant they both like is "Shogun".

Example 2:

Input: list1 = ["Shogun","Tapioca Express","Burger King","KFC"], list2 = ["KFC","Shogun","Burger King"]

Output: ["Shogun"]

Explanation: The restaurant they both like and have the least index sum is "Shogun" with index sum 1 (0+1).

Example 3:

Input: list1 = ["Shogun","Tapioca Express","Burger King","KFC"], list2 = ["KFC","Burger King","Tapioca Express","Shogun"]

Output: ["KFC","Burger King","Tapioca Express","Shogun"]

Example 4:

Input: list1 = ["Shogun","Tapioca Express","Burger King","KFC"], list2 = ["KNN","KFC","Burger King","Tapioca Express","Shogun"]

Output: ["KFC","Burger King","Tapioca Express","Shogun"]

Example 5:

```

1 class Solution:
2     def findRestaurant(self, list1: List[str], list2: List[str]) ->
3         List[str]:
4
5         di1, di2 = {}, {}
6         di = {}
7         output = []
8
9         for i,v in enumerate(list1) :
10             di1.update({v: i})
11
12         for i,v in enumerate(list2) :
13             di2.update({v: i})
14
15         print(di1)
16         set1= set(di1)
17         set2= set(di2)
18
19         for key in set1.intersection(set2) :
20             di.update({key: (di1[key] + di2[key])})
21
22         for key,v in di.items() :
23             if v == min(di.values()) :
24                 output.append(key)
25
26         return output

```

Accepted

Runtime: 67 ms

Your input

["Shogun","Tapioca Express","Burger King","KFC"]
["Piatti","The Grill at Torrey Pines","Hungry Hunter Steakhouse","Shogun"]

stdout

{'Shogun': 0, 'Tapioca Express': 1, 'Burger King': 2, 'KFC': 3}

Output

["Shogun"]

Diff

Expected

["Shogun"]