

Jain_Ishaan_ACSL_C2_junior.py

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1 str_file = open("2-jr.txt", "r")
2 str_list = []
3 for line in str_file.readlines():
4     str_list.append(line[:len(line)])
5 for j in range(len(str_list)):
6     str_list[j] = str_list[j].split()
7 str_file.close()
8 for element in str_list:
9     l1 = []
10    l2 = []
11    for i in range(len(element[0])):
12        l1.append(element[0][i])
13    for j in range(len(element[1])):
14        l2.append(element[1][j])
15    con = "BCDFGHJKLMNPQRSTVWXYZ"
16    vow="AEIOU"
17
18    for a in range(len(l1)):
19        try:
20            if l1[a] == l1[a+1] and l1[a] in con:
21                del l1[a+1]
22            except IndexError:
23                break
24    for b in range(len(l2)):
25        try:
26            if l2[b] == l2[b+1] and l2[b] in con:
27                del l2[b+1]
28            except IndexError:
29                break
30    li1 = [l1[0]]
31    li2 = [l2[0]]
32    for a in range(1, len(l1)):
33        try:
34            if l1[a] not in vow:
35                li1.append(l1[a])
36            except IndexError:
37                break
38    for b in range(1, len(l2)):
39        try:
40            if l2[b] not in vow:
41                li2.append(l2[b])
42            except IndexError:
43                break
44    list1 = []
45    list2 = []
46    if len(li1) > len(li2):
47        num = len(li2)
48        for a in range(num):
49            if li1[a] != li2[a]:
50                list1.append(li1[a])
51                list2.append(li2[a])
52        for b in range(len(li1) - num):
53            list1.append(li1[b + num])
54    elif len(li1) < len(li2):
55        num = len(li1)
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56     for a in range(num):
57         if li1[a] != li2[a]:
58             list1.append(li1[a])
59             list2.append(li2[a])
60     for b in range(len(li2) - num):
61         list2.append(li2[b + num])
62 else:
63     num = len(li1)
64     for a in range(num):
65         if li1[a] != li2[a]:
66             list1.append(li1[a])
67             list2.append(li2[a])
68
69 fin_list1 = []
70 fin_list2 = []
71 if len(list1)>len(list2):
72     num1 = len(list1)-len(list2)
73     for i in range(num1):
74         list2.insert(0,"!")
75     for a in range(len(list2)):
76         if list1[a] != list2[a]:
77             fin_list1.append(list1[a])
78             fin_list2.append(list2[a])
79 elif len(list1)<len(list2):
80     num1 = len(list2)-len(list1)
81     for i in range(num1):
82         list1.insert(0,"!")
83     for a in range(len(list1)):
84         if list1[a] != list2[a]:
85             fin_list1.append(list1[a])
86             fin_list2.append(list2[a])
87 else:
88     for a in range(len(list1)):
89         if list1[a] != list2[a]:
90             fin_list1.append(list1[a])
91             fin_list2.append(list2[a])
92 fin1 = []
93 fin2 = []
94 for i in range(len(fin_list1)):
95     if fin_list1[i] != "!":
96         fin1.append(fin_list1[i])
97 for j in range(len(fin_list2)):
98     if fin_list2[j] != "!":
99         fin2.append(fin_list2[j])
100 if len(fin1)>len(fin2):
101     print("".join(fin2))
102 elif len(fin1)<len(fin2):
103     print("".join(fin1))
104 else:
105     list_of_string = ["".join(fin1),"".join(fin2)]
106     list_of_string.sort()
107     print(list_of_string[0])
108

```