

juniorAnjanSesettyRound2.py

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1 consonants=list("BCDFGHJKLMNPQRSTVWXYZ")
2 vowels=list("AEIOU")
3 def deleteDoubleConsonantsAndVowels(string):
4     finalList=[]
5     for index in range(len(string)):
6         if (string[index] not in vowels and string[index]!=string[index-1]) or (index==0 and string[index] in vowels):
7             finalList.append(string[index])
8     return finalList
9 file=open("2-jr.txt","r")
10 for line in file.readlines():
11     word1,word2=line.split()
12     word1=deleteDoubleConsonantsAndVowels(word1)
13     word2=deleteDoubleConsonantsAndVowels(word2)
14     new1=[]
15     new2=[]
16     new11=[]
17     new22=[]
18     if len(word1)>len(word2):
19         while len(word1)!=len(word2):
20             word2.append("!")
21     else:
22         while len(word1)!=len(word2):
23             word1.append("!")
24     for index in range(len(word1)):
25         if word1[index]!=word2[index] and (word1[index]!="!" and word2[index]!="!"):
26             new1.append(word1[index])
27             new2.append(word2[index])
28         if word1[index]=="!" and word2[index]!="!":
29             new2.append(word2[index])
30         elif word1[index]!="!" and word2[index]=="!":
31             new1.append(word1[index])
32     if len(new1)>len(new2):
33         while len(new1)!=len(new2):
34             new2.insert(0,"!")
35     else:
36         while len(new1)!=len(new2):
37             new1.insert(0,"!")
38     for index in range(len(new1)-1,-1,-1):
39         if new1[index]!=new2[index] and (new1[index]!="!" and new2[index]!="!"):
40             new11.append(new1[index])
41             new22.append(new2[index])
42         if new1[index]=="!" and new2[index]!="!":
43             new22.append(new2[index])
44         elif new1[index]!="!" and new2[index]=="!":
45             new11.append(new1[index])
46     string1="".join(new11[::-1])
47     string2="".join(new22[::-1])
48     if len(string1)<len(string2):
49         print(string1)
50     elif len(string1)>len(string2):
51         print(string2)
52     else:
53         print(sorted([string1,string2])[0])
54

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