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# Contest 2

Trash = []
str1 = input("Enter input number 1:")
str1 = list(str1)

# Takes out double letters
try:
    for i in range(len(str1)-1):
        if str1[i] == str1[i + 1]:
            str1.pop(i)
except IndexError:
    Trash.append("")

#Takes out vowels
lst = []
frst_let = str1.pop(0)
lst.append(frst_let)
for x in str1:
    if x not in "AEIOU":
        lst.append(x)

str1 = lst
# SECOND INPUT

str2 = input("Enter letter number 2:")
str2 = list(str2)
#Takes out double letters
try:
    for i in range(len(str2) - 1):
        if str2[i] == str2[i + 1]:
            str2.pop(i)
except IndexError:
    Trash.append("")

#Takes out vowels
lst1 = []
sec_let = str2.pop(0)
lst1.append(sec_let)
for x in str2:
    if x not in "AEIOU":
        lst1.append(x)

str2 = lst1

if str1 < str2:
    while len(str1) < len(str2):
        str1.append("")
elif str2 < str1:
    while len(str2) < len(str1):
        str2.append("")
i = 0
try:
    for x in str1:
        if str1[i] == str2[i]:
            str1.pop(i)
            str2.pop(i)
        else:
            i = i + 1

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except:
    Trash.append("")
for x in str1:
    if x == "":
        str1.remove(x)
for x in str2:
    if x == "":
        str2.remove(x)

str1.reverse()
str2.reverse()
try:
    a = 0
    for x in str1:
        if str1[a] == str2[a]:
            str1.pop(a)
            str2.pop(a)
        else:
            a = a + 1

except IndexError:
    Trash.append("")
str1.reverse()
str2.reverse()
if len(str1) < len(str2):
    print("".join(str1))
elif len(str2) < len(str1):
    print("".join(str2))
else:
    str1 = "".join(str1)
    str2 = "".join(str2)
    lst21 = []
    lst21.append(str1)
    lst21.append(str2)
    lst21.sort()
    print(lst21[0])
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