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#contest 2

lstbob = []
inp1 = input("Enter input number 1:")
inp1 = list(inp1)

# Takes out double letters
try:
    for i in range(len(inp1)-1):
        if inp1[i] == inp1[i + 1]:
            inp1.pop(i)
except IndexError:
    lstbob.append("")

#Takes out vowels
lst = []
frst_let = inp1.pop(0)
lst.append(frst_let)
for x in inp1:
    if x not in "AEIOU":
        lst.append(x)

inp1 = lst
# SECOND INPUT

inp2 = input("Enter letter number 2:")
inp2 = list(inp2)
#Takes out double letters
try:
    for i in range(len(inp2) - 1):
        if inp2[i] == inp2[i + 1]:
            inp2.pop(i)
except IndexError:
    lstbob.append("")

#Takes out vowels
lst1 = []
sec_let = inp2.pop(0)
lst1.append(sec_let)
for x in inp2:
    if x not in "AEIOU":
        lst1.append(x)

inp2 = lst1

if inp1 < inp2:
    while len(inp1) < len(inp2):
        inp1.append("")
elif inp2 < inp1:
    while len(inp2) < len(inp1):
        inp2.append("")
i = 0
try:
    for x in inp1:
        if inp1[i] == inp2[i]:
            inp1.pop(i)
            inp2.pop(i)

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        else:
            i = i + 1
except:
    lstbob.append("")
for x in inp1:
    if x == "":
        inp1.remove(x)
for x in inp2:
    if x == "":
        inp2.remove(x)

inp1.reverse()
inp2.reverse()
try:
    a = 0
    for x in inp1:
        if inp1[a] == inp2[a]:
            inp1.pop(a)
            inp2.pop(a)
        else:
            a = a + 1

except IndexError:
    lstbob.append("")
inp1.reverse()
inp2.reverse()
if len(inp1) < len(inp2):
    print("".join(inp1))
elif len(inp2) < len(inp1):
    print("".join(inp2))
else:
    inp1 = "".join(inp1)
    inp2 = "".join(inp2)
    lst21 = []
    lst21.append(inp1)
    lst21.append(inp2)
    lst21.sort()
    print(lst21[0])

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