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#ACSL Contest 2 2019 - 2020
#Junior Division
#String Differences
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def first(input):
    vowels = {"A", "E", "I", "O", "U"}
    string1 = ""
    past = ""
    for i in input:
        first = i
        if first in vowels:
            string1 = string1 + first
        if first not in vowels:
            if past != first:
                string1 = string1 + first
            past = first
    return string1

def rev(input):
    ret = ""
    for i in range(len(input) - 1, -1, -1):
        ret += input[i]
    return ret

def second(input):
    vowels = {"A", "E", "I", "O", "U"}
    novowels = input[0]
    for x in range(len(input)):
        if (x != 0):
            i = input[x]
            if i not in vowels:
                novowels = novowels + i
    return novowels

def string_difference(input):
    inputsplit = input.split(" ")
    str1 = inputsplit[0]
    str2 = inputsplit[1]
    str1 = first(str1)
    str2 = first(str2)
    str1 = second(str1)
    str2 = second(str2)
    left = ""
    right = ""
    for i in str1:
        if len(str2) > 0:
            a = str2[0]
        else:
            a = ""
        if i != a:
            left = left + i
            right = right + a
        if len(str2) > 1:
            str2 = str2[1:]
        else:
            str2 = ""
    right += str2
    reverse2 = ""
    reversel = ""

    for i in range(len(left) - 1, -1, -1):
        if len(right) > 0:
            t = right[-1]
        else:
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    t = ""
    if t != left[i]:
        reverse1 = reverse1 + left[i]
        reverse2 = reverse2 + t
    if len(right) > 1:
        right = right[: -1]
    else:
        right = ""
reverse2 += right
ret = ""
if (len(reverse1) > len(reverse2)):
    return rev(reverse2)
elif (len(reverse2) > len(reverse1)):
    return rev(reverse1)
else:
    return min(rev(reverse1), rev(reverse2))
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with open('jr-test-input.txt') as fp:
    for i in range(0, 5):
        Input = fp.readline()
        Input = Input.rstrip('\n')
        print(string_difference(Input))
```