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#SriramC
#ACSL Contest 2 2019 - 2020
#Junior Division
#String Differences
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# Delete the second occurrence of any double consonant.
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```
def del_double_cons(word):
    i = 0
    while i < len(word):
        if i + 1 >= len(word):
            break
        if word[i] == word[i + 1]:
            word.pop(i + 1)
            i += 1
        i += 1
```

```
# Delete all vowels (A, E, I, O, U) unless the vowel is the first character in the string.
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```
def del_vowels(word):
    vowels = ["A", "E", "I", "O", "U"]
    j = 1
    while j < len(word):
        if word[j] in vowels:
            # print("removed " + word[j] + ",l: " + str(word))
            word.pop(j)
        else:
            j += 1
    # print("removed vowels" + str(word))
```

```
# Align the resulting strings from left to right. Then delete all like characters at like positions.
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```
def left_right(inp1, inp2):
    count = 0
    while count < len(inp1):
        if count >= len(inp2):
            break
        if inp1[count] == inp2[count]:
            inp1.pop(count)
            inp2.pop(count)
        else:
            count += 1

    # print("repeat_left" + str(inp1))
    # print("repeat_left" + str(inp2))
```

```
# Align the remaining characters from right to left.
```

```
# Then delete like characters at like positions starting from the end of the string.
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```
def right_left(rinp1, rinp2):
    count = 0
    while count < len(rinp1):
        if count >= len(rinp2):
            break
        if rinp1[count] == rinp2[count]:
            rinp1.pop(count)
            rinp2.pop(count)
        else:
            count += 1

    # print("repeat right" + str(rinp1))
    # print("repeat right" + str(rinp2))
```

```
def main(inp):
    inp_list = inp.split(" ")
    l1 = list(inp_list[0])
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l2 = list(inp_list[1])
# print("og" + str(l1))
# print("og" + str(l2))

del_double_cons(l1)
del_double_cons(l2)
del_vowels(l1)
del_vowels(l2)

left_right(l1, l2)

r11 = list(reversed(l1)) # reversing list
r12 = list(reversed(l2))

# print("reversed" + str(r11))
# print("reversed" + str(r12))

right_left(r11, r12)

l1 = list(reversed(r11)) # unreversing list
l2 = list(reversed(r12))

# print("unreversed" + str(l1))
# print("unreversed" + str(l2))

s1 = "".join(l1)
s2 = "".join(l2)

# print("joined " + str(s1))
# print("joined " + str(s2))

if len(s1) != len(s2):
    if len(s1) > len(s2):
        # print(s2)
        return s2
        # output = s2
    else:
        # print(s1)
        return s1
        # output = s1
else:
    if ord(s1[0]) > ord(s2[0]):
        # print(s2)
        return s2
        # output = s2
    else:
        # print(s1)
        return s1
        # output = s1

inputs = ["FEEFIFOFUM FIDDLEDEEDEE", "MYLOLLIPOPS MYLARBALLOONS", "CONNECTICUTCT
CONSTITUTIONSTATE", "MASSACHUSETTSBAYCOLONY MINUTEMANNATIONALHISTORICALPARK",
"AMERICANCOMPUTERSCIENCELEAGUE NATIONALACADEMICGAMESLEAGUE"]
ind = 1
for input_ in inputs:
    output = main(input_)
    print(str(ind) + ". " + output)
    ind += 1

```