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// ConsoleApplication15.cpp : This file contains the 'main' function. Program
execution begins and ends there.
//

#include <iostream>
#include<cstring>
#include<cmath>
using namespace std;

void sc(char a[81])
{
    for (int i = 0; i < strlen(a); i++)
        if (a[i] == a[i + 1])
            {
                for (int j = i; j < strlen(a); j++)
                    a[j] = a[j + 1];
            }
}

void test(char a[81])
{
    char voc[] = "AEIOU";
    for (int i = 1; i < strlen(a); i++)
        {
            if (strchr(voc, a[i]) != NULL)
                {
                    for (int j = i; j < strlen(a); j++)
                        a[j] = a[j + 1];
                    i--;
                }
        }
}

void elim(char a[81], char b[81])
{
    int i = 0;
    while (i < strlen(a) && i < strlen(b))
        {
            if (a[i] == b[i])
                {
                    for (int j = i; j < strlen(a); j++)
                        a[j] = a[j + 1];
                    for (int j = i; j < strlen(b); j++)
                        b[j] = b[j + 1];
                }
            else
                i++;
        }
}

void schimb(char a[81], char b[81])
{
    int i = strlen(a) - 1;
    int j = strlen(b) - 1;
    while (i >= 0 && j >= 0)
        {
            if (a[i] == b[j])
                {
                    for (int k = i; k < strlen(a); k++)
                        a[k] = a[k + 1];
                    for (int k = j; k < strlen(b); k++)
                        b[k] = b[k + 1];
                }
        }
}

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        }
        i--;
        j--;
    }
}
int main()
{
    int n;
    char a[81], b[81];

    for (int i = 1; i <= 5; i++)
    {
        cin >> a >> b;
        sc(a);
        sc(b);
        test(a);
        test(b);
        elim(a, b);
        schimb(a, b);
        if (strlen(a) < strlen(b))
            cout << a;
        else if (strlen(a) > strlen(b))
            cout << b;
        else {
            if (strcmp(a, b) < 0)
                cout << a;
            else
                cout << b;
        }
        cout << '\n';
    }
}
```