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#include <bits/stdc++.h>
using namespace std;
ifstream fin("input.txt");
ofstream fout("output.txt");

void op1(string &s)
{
    string a;
    a += s[0];
    for(int i = 1; i < s.size(); i++)
        if(s[i] == s[i - 1])
            s.erase(i, 1), i--;
}

void op2(string &s)
{
    for(int i = 1; i < s.size(); i++)
        if(strchr("AEIOU", s[i]))
        {
            s.erase(i, 1);
            i--;
        }
}

bool op3(string &a, string &b)
{
    bool ok = false;
    if(a.size() < b.size())
        swap(a, b);
    for(int i = 0; i < b.size(); i++)
        if(a[i] == b[i])
        {
            ok = true;
            a.erase(i, 1);
            b.erase(i, 1);
            i--;
        }
    return ok;
}

bool op4(string &a, string &b)
{
    bool ok = false;
    reverse(a.begin(), a.end());
    reverse(b.begin(), b.end());
    ok = op3(a, b);
    reverse(a.begin(), a.end());
    reverse(b.begin(), b.end());
    return ok;
}

bool verif(string a, string b)
{
    for(int i = 0; i < min(a.size(), b.size()); i++)
        if(a[i] == b[i])
            return 1;
    reverse(a.begin(), a.end());
    reverse(b.begin(), b.end());
    for(int i = 0; i < min(a.size(), b.size()); i++)
        if(a[i] == b[i])

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        return 1;
    return 0;
}

int main()
{
    int nr = 5;
    while(nr-->0)
    {
        string a, b;
        fin >> a >> b;
        while(verif(a, b))
        {
            op1(a);
            op1(b);
            op2(a);
            op2(b);
            op3(a,b);
            op4(a,b);
        }
        if(a.size() < b.size())
            fout << a << "\n";
        else if(a.size() > b.size())
            fout << b << "\n";
        else
            fout << (a < b ? a : b) << "\n";
    }
    return 0;
}
```