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#include <bits/stdc++.h>
using namespace std;
ifstream fin("input.txt");
ofstream fout("output.txt");
string minim(string s1, string s2);
bool bar1(string s1, string s2);
bool bar2(string s1, string s2);
string foo1(string s);
string foo2(string s);
pair<string, string> foo3(pair<string, string> p);
int main()
{
    for (int tc = 1; tc <= 5; tc++)
    {
        string s1, s2;
        fin >> s1 >> s2;
        while (bar1(s1, s2) || bar2(s1, s2))
        {
            s1 = foo1(s1), s2 = foo1(s2);
            s1 = foo2(s1), s2 = foo2(s2);
            pair<string, string> p = foo3(make_pair(s1, s2));
            s1 = p.first, s2 = p.second;
        }
        if (s1.size() < s2.size())
            fout << s1 << '\n';
        else if (s1.size() > s2.size())
            fout << s2 << '\n';
        else
            fout << minim(s1, s2) << '\n';
    }
    return 0;
}
string minim(string s1, string s2)
{
    if (s1 > s2)
        return s2;
    return s1;
}
string foo1(string s)
{
    string a(s.begin(), s.begin() + 1);
    for (int i = 1; i < s.size(); i++)
        if (s[i] != s[i - 1])
            a.push_back(s[i]);
    return a;
}
bool bar1(string s1, string s2)
{
    for (int i = 0; i < min(s1.size(), s2.size()); i++)
        if (s1[i] == s2[i])
            return 1;
    return 0;
}
bool bar2(string s1, string s2)
{
    reverse(s1.begin(), s1.end());
    reverse(s2.begin(), s2.end());
    return bar1(s1, s2);
}
string foo2(string s)
{
    string a(s.begin(), s.begin() + 1);

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    for (int i = 1; i < s.size(); i++)
        if (!strchr("AEIOU", s[i]))
            a.push_back(s[i]);
    return a;
}
pair<string, string> foo3(pair<string, string> p)
{
    string s1 = p.first, s2 = p.second;
    if (s1.size() < s2.size())
        swap(s1, s2);
    string a, b;
    for (int i = 0; i < s1.size(); i++)
        if (i >= s2.size())
            a.push_back(s1[i]);
        else if (s1[i] == s2[i])
            continue;
        else
            a.push_back(s1[i]), b.push_back(s2[i]);
    reverse(a.begin(), a.end());
    reverse(b.begin(), b.end());
    string t1, t2;
    if (t1.size() < t2.size())
        swap(t1, t2);
    for (int i = 0; i < a.size(); i++)
        if (i >= b.size())
            t1.push_back(a[i]);
        else if (a[i] == b[i])
            continue;
        else
            t1.push_back(a[i]), t2.push_back(b[i]);
    reverse(t1.begin(), t1.end());
    reverse(t2.begin(), t2.end());
    pair<string, string> px = {t1, t2};
    return px;
}

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