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#include <iostream>
#include <string>
#include <fstream>

using namespace std;
ifstream fin("input.txt");
ofstream fout("output.txt");

bool isvowel(char a)
{
    return a=='A' || a=='E' || a=='I' || a=='O' || a=='U';
}

unsigned long i,j,k;
string a,b;

int main()
{
    for(k=1; k<=5; k++)
    {
        fin>>a>>b;
        //1
        for(i=0; i<a.size()-1; i++)
            if(a[i]==a[i+1])
                a.erase(a.begin()+i--);
        for(i=0; i<b.size()-1; i++)
            if(b[i]==b[i+1])
                b.erase(b.begin()+i--);
        //2
        for(i=1; i<=a.size(); i++)
            if(isvowel(a[i]))
                a.erase(a.begin()+i--);
        for(i=1; i<=b.size(); i++)
            if(isvowel(b[i]))
                b.erase(b.begin()+i--);
        //3
        for(i=0; i<a.size()&&i<b.size(); i++)
            if(a[i]==b[i])
                a.erase(a.begin()+i),b.erase(b.begin()+i--);
        //4
        for(i=a.size()-1,j=b.size()-1; i>0&&j>0; i--,j--)
            if(a[i]==b[j])
                a.erase(a.begin()+i),b.erase(b.begin()+j);
        //print
        if(a.size()<b.size())
            fout<<a<<'\n';
        else
            fout<<b<<'\n';
    }
    return 0;
}

```