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#include <bits/stdc++.h>

#define f first
#define s second

using namespace std;

int n, ans, p1, p2, mm, sl, vow[26];

string s, pre[6] = {"co", "de", "dis", "pre", "re", "un"}, suf[5] = {"age", "ful", "ing", "less", "ment"};
vector<pair<int, int>> flags;

bool isPref(int x)
{
    if((pre[x].length() < s.length()) && (s.substr(0, pre[x].length()) == pre[x]))
        return true;
    return false;
}

bool isSuf(int x)
{
    if((suf[x].length() < s.length()) && (s.substr(n - suf[x].length(), suf[x].length()) == suf[x]))
        return true;
    return false;
}

int main()
{
    cin >> s;

    string origs = s;

    n = s.length(), p1 = 0, p2 = n;

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for(int i = 0; i<6; i++)
    if(isPref(i))
        p1 = pre[i].length(), ans+=pre[i].length(), mm++;
for(int i = 0; i<5; i++)
    if(isSuf(i))
        p2 = n-suf[i].length(), sl = suf[i].length();
if(p2!=n)
    s.erase(p2,n-p2);
s.erase(0,p1);
string vowstr = "";
while(s.length()!=0)
{
    bool done = false;
    char k = s[0];
    if((k=='a') || (k=='e') || (k=='i') || (k=='o') || (k=='u'))
    {
        vowstr+=k;
        s.erase(0,1);
        done = true;
    }
    else
    {
        if(vowstr.length()!=0)
            flags.push_back({0,vowstr.length()});
        vowstr = "";
        if(s.length()>1)
        {
            string hi = s.substr(0,2);
            if((hi=="ch") || (hi=="ck") || (hi=="ph") || (hi=="sh") || (hi=="th") || (hi=="wh") || (hi=="wr"))

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        {
            flags.push_back({1,2});

            s.erase(0,2);

            done = true;

        }
    }
    if(!done)
    {
        flags.push_back({1,1});

        s.erase(0,1);

        done = true;

    }
}

if(vowstr.length()!=0)
    flags.push_back({0,vowstr.length()});
for(int i = 0; i<int(flags.size()); i++)
{
    p1+=flags[i].s;
    if(flags[i].f==0)
    {
        if((i<int(flags.size())-2)&&(flags[i+2].f==0))
            ans+=(p1+mm), mm++;
    }
    else
    {
        if((i!=0)&&(i<int(flags.size())-2)&&(flags[i+1].f==1))
            ans+=(p1+mm), mm++;
    }
}

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}  
if(sl!=0)  
    ans+=(n-sl+mm);  
cout << ans << endl;  
}
```