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#include <bits/stdc++.h>
using namespace std;
/*
* Complete the 'syllables' function below.
* The function is expected to return an INTEGER.
* The function accepts STRING word as parameter.
*/
vector<string> prefix {"co", "de", "dis", "pre", "re", "un"};
vector<string> suffix {"age", "ful", "ing", "less", "ment"};
vector<string> combo {"ch", "ck", "ph", "sh", "th", "wh", "wr"};
vector<char> vowel {'a', 'e', 'i', 'o', 'u'};
pair<bool, bool> checkOne(string word, int i) {
  // check if i -> consonant...
  bool g, ic, l, r;
  g = 0;
  for(char j: vowel) {
    if(word[i] == j) {
      g = 1;
       break;
    }
  }
  if(g) {
    return make_pair(false, false);
```

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}
 // check if it is a combo...
  ic = 0;
  for(string j: combo) {
    if(word.substr(i, 2) == j) {
       ic = 1;
       break;
    }
  }
 // check if left and right are vowels...
  I = 0, r = 0;
  for(char j: vowel) {
    | |= word[i-1] == j;
    r |= word[i + (ic ? 2 : 1)] == j;
  }
  if(!| || !r) {
    return make_pair(false, ic);
  }
  return make_pair(true, ic);
bool checkTwo(string word, int i) {
  bool g, ic;
  // check if i -> consonant...
```

}

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g = 0;
for(char j: vowel) {
  if(word[i] == j) {
    g = 1;
     break;
  }
}
if(g) {
  return false;
}
// check if it is a combo...
ic = 0;
for(string j: combo) {
  if(word.substr(i, 2) == j) {
     ic = 1;
     break;
  }
}
if(ic) {
  return false;
}
// check vowel before and after...
g = 0;
for(int j = i-1; j >= 0; --j) {
  for(char k: vowel) {
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if(word[j] == k) {
      g = 1;
      break;
    }
  }
  if(g) {
    break;
  }
}
if(!g) {
  return false;
}
g = 0;
for(int j = i+1; j < word.length(); ++j) {
  for(char k: vowel) {
    if(word[j] == k) {
      g = 1;
      break;
    }
  }
  if(g) {
    break;
  }
}
if(!g) {
  return false;
```

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}
  return true;
}
int syllables(string word) {
  int s = 0, c = 0;
  for(int i = 0; i < prefix.size(); ++i) {
     if(word.substr(0, prefix[i].length()) == prefix[i]) {
       word = word.substr(prefix[i].length());
       s = prefix[i].length();
       c = prefix[i].length()+1;
       break;
    }
  }
  for(int i = 0; i < suffix.size(); ++i) {</pre>
     if(word.substr(word.length()-suffix[i].length()) == suffix[i]) {
       s += c + word.length() - suffix[i].length();
       word = word.substr(0, word.length()-suffix[i].length());
       ++c;
       break;
    }
  }
  for(int i = 1; i < word.length()-1; ++i) {
     pair<bool, bool> r1 = checkOne(word, i);
     if(r1.first) {
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word = word.substr(i);
      s += c + i;
      c += i + 1;
      i = 0;
      if(r1.second) {
        ++i;
      }
    }else{
      bool r2 = checkTwo(word, i);
      if(r2) {
        word = word.substr(i+1);
        s += c + i + 1;
        c += i + 2;
        i = 0;
      }
   }
  }
  return s;
int main()
  ofstream fout(getenv("OUTPUT_PATH"));
  string word;
```

}

{

```
getline(cin, word);
int result = syllables(word);
fout << result << "\n";
fout.close();
return 0;
}</pre>
```