#include<bits/stdc++.h>

using namespace std;

int countSubstrings(string s) {

int n = s.size(), count=0;

bool dp[n][n];

for(int g=0;g<n;g++){

for(int i=0,j=g;j<n;j++,i++){

if(g==0){

dp[i][j] = true;

count++;

}

else if(g==1){

if(s[i]==s[j]){

dp[i][j] = true;

count++;

}

else{

dp[i][j] = false;

}

}

else{

if(s[i]==s[j]){

dp[i][j] = dp[i+1][j-1]; // mid substring is true then T else F

}

else{

dp[i][j] = false;

}

if(dp[i][j]==true){

count++;

}

}

}

}

return count;

}

int main (){

string s;

cin>>s;

cout<<countSubstrings(s);

}