#include<bits/stdc++.h>

using namespace std;

int solve(string s1, string s2){

int n = s1.size(), m= s2.size();

int dp[n+1][m+1];

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

dp[i][0] = 0;

}

for(int j=0;j<=m;j++){

dp[0][j] = 0;

}

for(int i=1;i<=n;i++){

for(int j=1;j<=m;j++){

if(s1[i-1]==s2[j-1]){

dp[i][j] = 1+dp[i-1][j-1];

}

else{

dp[i][j] = max(dp[i-1][j],dp[i][j-1]);

}

}

}

return dp[n][m];

}

int main(){

string s1,s2;

cin>>s1>>s2;

cout<<solve(s1,s2);

}