#include<bits/stdc++.h>

using namespace std;

int lcs(string &s1, string &s2, int n, int m, vector<vector<int> > &dp){

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

dp[i][0] = 0;

}

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

dp[0][i] = 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;

int n = s1.size();

int m = s2.size();

vector<vector<int> > dp(n+1,vector<int> (m+1,-1));

cout<<lcs(s1,s2,n,m,dp);

}