#include<stdio.h>

#include<string.h>

int max(int x,int y);

int lcs(const char \*S1, const char \*S2) {

int m = strlen(S1);

int n = strlen(S2);

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

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

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

if (i == 0 || j == 0)

dp[i][j] = 0;

else if (S1[i - 1] == S2[j - 1])

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

else

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

}

}

return dp[m][n];

}

int max(int x, int y) {

return (x > y) ? x : y;

}

int main() {

char S1[20];

char S2[20];

scanf("%s",S1);

scanf("%s",S2);

int m=lcs(S1,S2);

printf("%d",m);

return 0;

}

