**// LCS 最长公共子串**

**int LCS(string s1, string s2)**

**{**

**int len1 = s1.length();**

**int len2 = s2.length();**

**int c[len1+1][len2+1], result = 0;**

**for(int i = 0; i <= len1; i++)**

**for(int j = 0; j <= len2; j++)**

**{**

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

**c[i][j] = 0;**

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

**c[i][j] = c[i-1][j-1] + 1;**

**else c[i][j] = max(c[i-1][j], c[i][j-1]);**

**}**

**return c[len1][len2];**

**}**

**int lcs(string s1, string s2)//zichuan**

**{**

**int len1 = s1.length();**

**int len2 = s2.length();**

**int c[len1+1][len2+1], result = 0;**

**for(int i = 0; i <= len1; i++)**

**for(int j = 0; j <= len2; j++)**

**{**

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

**c[i][j] = 0;**

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

**{**

**c[i][j] = c[i-1][j-1] + 1;**

**result = max(c[i][j], result);**

**}**

**else c[i][j] = 0;**

**}**

**return result;**

**}**

**int main()**

**{**

**string s1, s2;**

**cin >> s1 >> s2;**

**cout << LCS(s1, s2) << endl;**