package Lcs;

import java.util.\*;

class Find\_sequence

{

int m,n,i;

String s1,s2;

int b[][];

int c[][];

Find\_sequence(int m, int n,String s1,String s2)

{

this.m = m;

this.n = n;

this.s1 = s1;

this.s2 = s2;

b = new int[m+1][n+1];

c = new int[m+1][n+1];

}

void print(int i,int j)

{

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

if(b[i][j] == 1)

{

print(i-1,j-1);

System.out.print(s1.charAt(i-1));

}

else if(b[i][j] == 2)

{

print(i-1,j);

}

else print(i,j-1);

}

void lcs()

{

int i,j;

for(i = 1 ; i<=m ; i++)

{

for(j = 1 ; j<=n ; j++)

{

if(s1.charAt(i-1) == s2.charAt(j-1))

{

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

b[i][j] = 1;

}

else if( c[i-1][j] >= c[i][j-1])

{

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

b[i][j] = 2;

}

else

{

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

b[i][j] = 3;

}

}

}

}

}

public class Main

{

public static void main(String[] args)

{

Scanner sc = new Scanner(System.in);

String s1,s2;

s1 = sc.next();

s2 = sc.next();

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

Find\_sequence fs = new Find\_sequence(m,n,s1,s2);

fs.lcs();

fs.print(m,n);

}

}