#include<stdio.h>

#include<stdlib.h>

#include<string.h>

char str[100], pat[50], rep[50], ans[100];

int i, j, c, m, k, flag=0;

void stringmatch()

{

i = m = c = j = 0;

while(str[c]!= '\0')

{

if(str[m] == pat[i])

{

i++; m++;

if(pat[i] == '\0')

{

flag = 1;

for(k = 0; rep[k] != '\0'; k++, j++)

ans[j] = rep[k];

i = 0;

c = m;

}

}

else

{

ans[j] = str[c];

j++;

c++;

m = c;

i = 0;

}

}

ans[j] = '\0';

}

void main()

{

printf("\nEnter a main string\n");

scanf("%[^\n]%\*c",&str);

printf("\nEnter a pattern string\n");

scanf("%[^\n]%\*c",&pat);

printf("\nEnter a replace string\n");

scanf("%[^\n]%\*c",&rep);

stringmatch();

if(flag == 1)

printf("\nThe resultant string is\n %s" , &ans);

else

printf("\nPattern string NOT found\n");

}