#include <bits/stdc++.h>

using namespace std;

string printlcs(string X,string Y,int m,int n){

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

string str="";

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(X[i-1]==Y[j-1]){

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

}

else{

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

}

}

}

int i=m,j=n;

while(i>0 && j>0){

if(X[i-1]==Y[j-1]){

str+=X[i-1];

i--;

j--;

}

else if(dp[i-1][j]>dp[i][j-1]){

i--;

}else{

j--;

}

}

return str;

}

int main() {

char X[] = "AGGTAB";

char Y[] = "GXTXAYB";

int m = strlen(X);

int n = strlen(Y);

string s=printlcs( X, Y, m, n ) ;

reverse(s.begin(),s.end());

cout<<s;

return 0;

}