clc;close all;clear all;

x=input('enter the first sequence');

h=input('enter the second sequence');

n1=length(x);

n2=length(h);

n=max(n1,n2);

x=[x zeros(1,n-n1)];

h=[h zeros(1,n-n2)];

y=cconv(x,h,n);

m=1:n;

disp(y);

pause;

stem(m,y);

grid minor;

xlabel('time index');

ylabel('amplitude');

title('circular convolution sequence of x and h');

enter the first sequence[1 2 1 0];

enter the second sequence[1 3 1 2];

6 7 8 7



clc;close all;clear all;

x=input('enter the first sequence');

nx=input('enter the index of first sequence');

h=input('enter the second sequence');

nh=input('enter the index of impulse response');

N=length(x)+length(h)-1;

x=[x zeros(1,N-length(x))];

h=[h zeros(1,N-length(h))];

ny=min(nx)+min(nh):max(nx)+max(nh);

y=cconv(x,h,N);

disp('output sequence of linear convolution');

disp(y);

disp(ny);

pause;

stem(ny,y);

grid minor;

xlabel('time index');

ylabel('amplitude');

title('linear convolution sequence of x and h');

enter the first sequence[1 2 2 3 2];

enter the index of first sequence-2:2;

enter the second sequence[1 2 3 3];

enter the index of impulse response-1:2;

output sequence of linear convolution

1.0000 4.0000 9.0000 16.0000 20.0000 19.0000 15.0000 6.0000

-3 -2 -1 0 1 2 3 4

