```matlab
x1=[ones(1,5) zeros(1,5)];
h1=[1 -1 3 0 1];
h2=[0 2 5 4 -1];
nx1=0:9;
nh1=0:4;
w=conv(x1,h1);
nw=nx1(1)+nh1(1):nx1(end)+nh1(end);
yd1=conv(w,h2);
nyd1=nw(1)+nh1(1):nw(end)+nh1(end);
hseries=conv(h1,h2);
nhseries=2*nh1(1):2*nh1(end);
yd2=conv(x1,hseries);
nyd2=nx1(1)+nhseries(1):nx1(end)+nhseries(end);
subplot(2,1,1),stem(nyd1,yd1);
subplot(2,1,2),stem(nyd2,yd2);
```
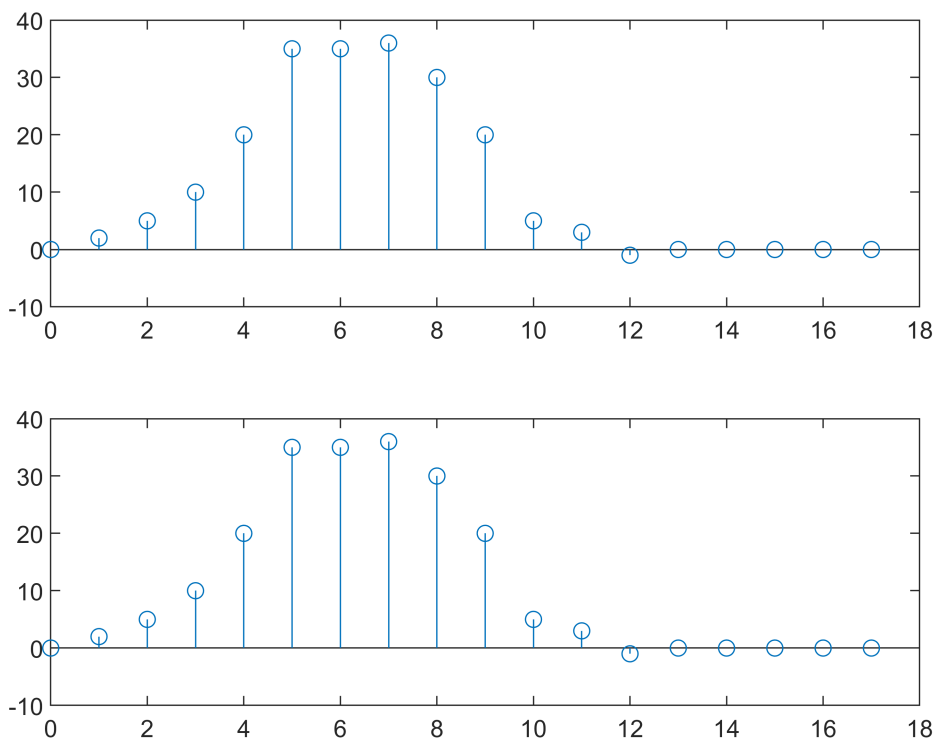


```matlab
%上图表示 input 为 x1,LTI system id series
%下图表示 input 为 x1,impluse response 为 h1*h2
%结论：I get the same result when I process x1 with the individual impluse
%responses as when I process it with hseries.
```