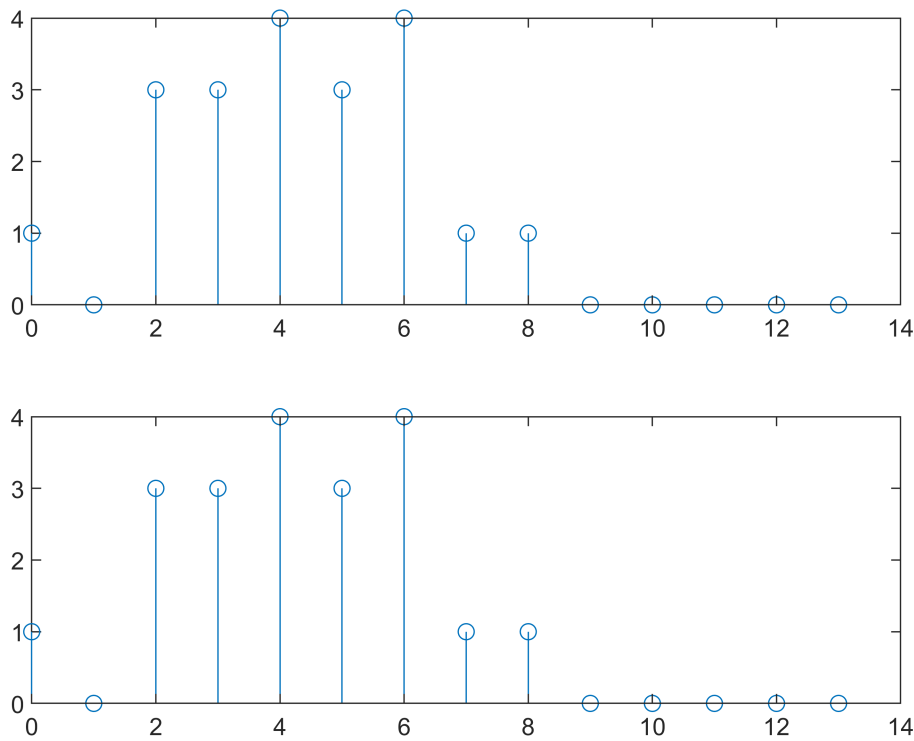


```

x1=[ones(1,5) zeros(1,5)];
h1=[1 -1 3 0 1];
nx1=0:9;
nh1=0:4;
w1=conv(x1,h1);
nw1=nx1(1)+nh1(1):nx1(end)+nh1(end);
w2=conv(h1,x1);
nw2=nx1(1)+nh1(1):nx1(end)+nh1(end);
subplot(2,1,1),stem(nw1,w1);
subplot(2,1,2),stem(nw2,w2);

```



%上图表示 input 为 x1, impulse response 为 h1
 %下图表示 input 为 h1, impulse response 为 x1
 %结论 : The output of conv is the same regardless of the order of the input
 %arguments