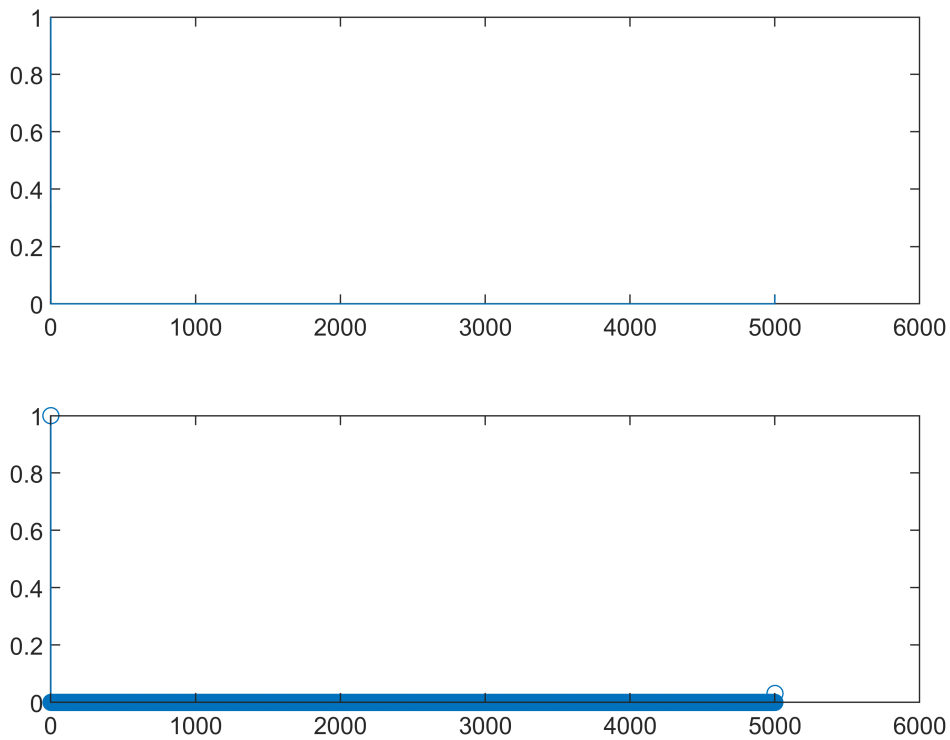


```

nhe=0:1000;
nher=0:4000;
x1=[1 zeros(1,1000)];
B1=[1 zeros(1,999) 0.5];
he=filter(B1,1,x1);
d=[1 zeros(1,4000)];
A2=[1 zeros(1,999) 0.5];
her=filter(1,A2,d);
hoa=conv(he,her);
nhoa=nhe(1)+nher(1):nhe(end)+nher(end);
subplot(2,1,1);plot(hoa);
subplot(2,1,2);stem(hoa);

```



%由图像可知, the result isn't a unit impulse because both systems isn't invert.