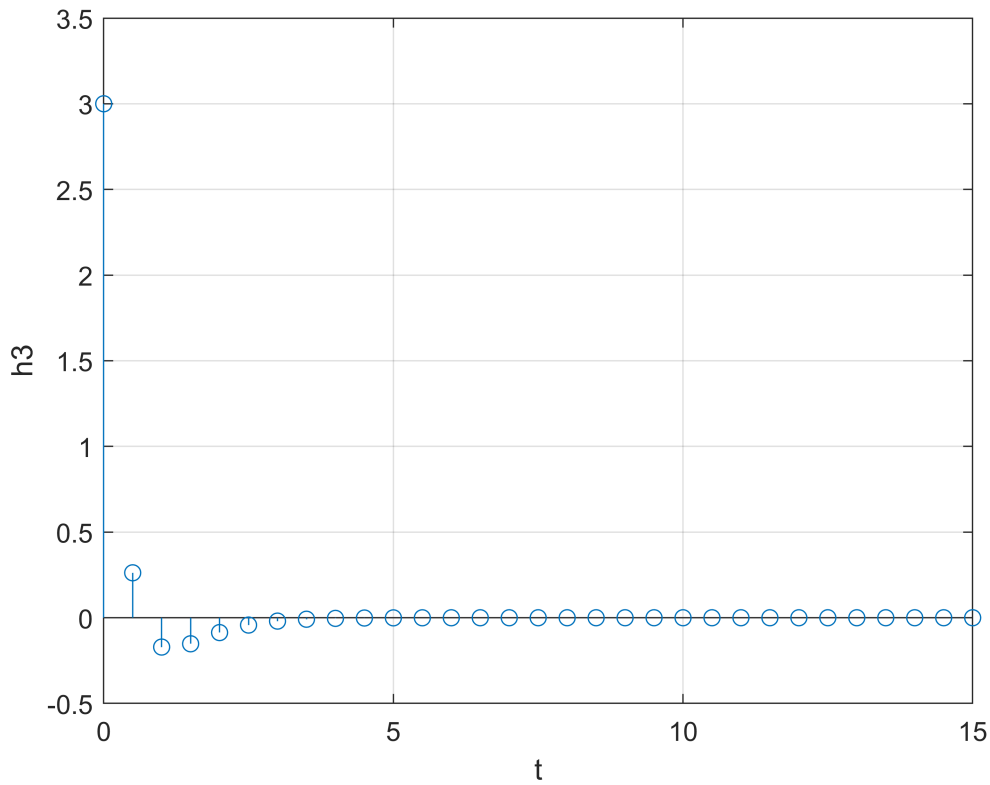


```

b2=[3,10,5];
a2=[1,7,16,12];
[r2,p2]=residue(b2,a2);
t=[0:0.5:15];
h3=r2(1).*exp(p2(1).*t)+r2(2).*exp(p2(2).*t)+r2(3).*exp(p2(3).*t).*t;
stem(t,h3);xlabel('t'),ylabel('h3');grid on;

```



%from the picture, we can know that the value at every point is finite and
%h2(t) is convergent,so h2(t) is absolutely integrable.