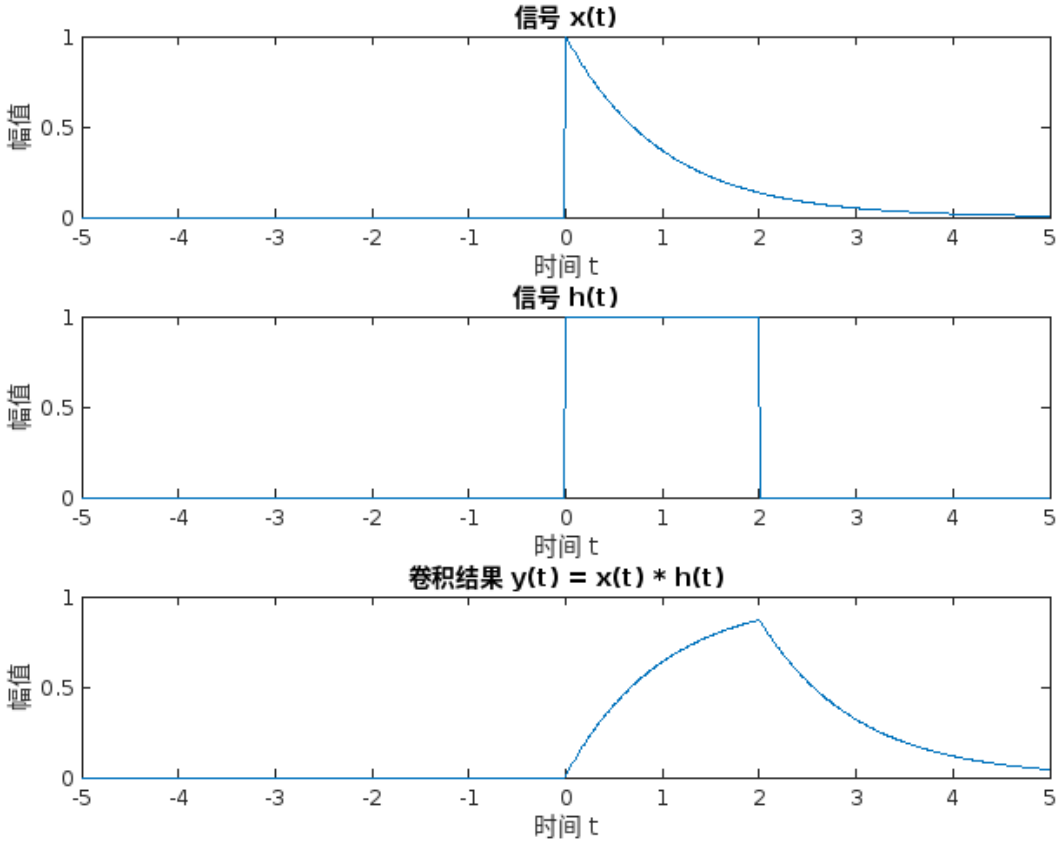
```
%
t = -5:0.01:5;
x = exp(-t) .* (t >= 0);  %  x(t)
h = (t >= 0 & t <= 2);    %  h(t)

%
y = conv(x, h, 'same') * 0.01;  % 'same'

%
figure;
subplot(3, 1, 1);
plot(t, x);
title(' x(t)');
xlabel(' t');
ylabel('');

subplot(3, 1, 2);
plot(t, h);
title(' h(t)');
xlabel(' t');
ylabel('');

subplot(3, 1, 3);
plot(t, y);
title(' y(t) = x(t) * h(t)');
xlabel(' t');
ylabel('');
```

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