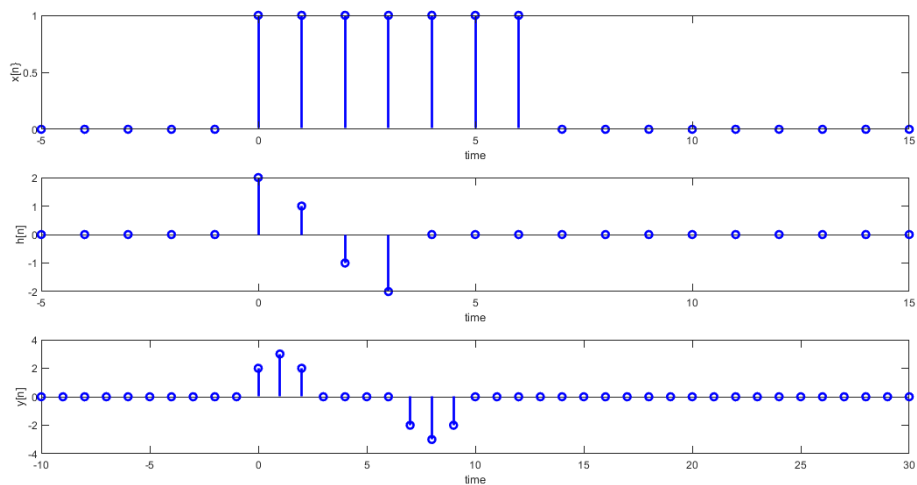

[ARTEM DUDKO] - [PS2.6b] - [9/21/2021]

```
%Similar code to N. Tapanainen since we collaborated.
format compact, clear, clc, close all
n = [-5:15];
x = zeros(size(n));
x((n>=0) & (n<=6)) = 1;
subplot(311)
stem(n,x, 'b-', 'linewidth',2); xlabel('time'); ylabel('x[n]');

h = [zeros(1,5) 2 1 -1 -2 zeros(1,12)];
subplot(312)
stem(n,h, 'b-', 'linewidth',2); xlabel('time'); ylabel('h[n]')

y = conv(x,h);
nx = n;
nh = n;
ny = (nx(1)+nh(1)):(nx(end)+nh(end));
subplot(313)
stem(ny,y, 'b-', 'linewidth',2); xlabel('time'); ylabel('y[n]')
```



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