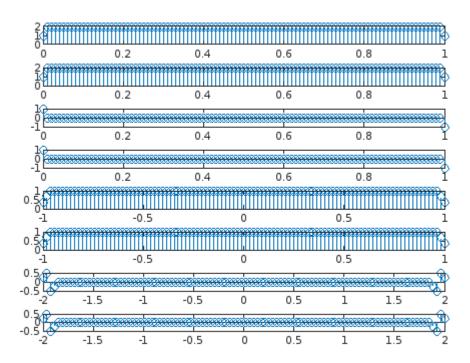
```
clc;
close all;
clear all;
n=0:99;
h1 = [1,1];
h2 = [1,-1];
h3 = (1/3)*[1,1,1];
h4 = (1/4)*[1,1,-4,1,1];
f = [0,1/10,1/5,1/4,1/2];
n1 = 0:1;
n2 = 0:1;
n3 = 1:1;
n4 = 2:2;
clc;
close all;
clear all;
n=0:99;
h1 = [1,1];
h2 = [1,-1];
h3 = (1/3)*[1,1,1];
h4 = (1/4)*[1,1,-4,1,1];
f = [0,1/10,1/5,1/4,1/2];
for i=1:length(f)
    figure;
    x = cos(2*pi*n*f(i));
    y1 = MyLinConv(x,h1);
    y2 = MyLinConv(x,h2);
    y3 = MyLinConv(x,h3);
    y4 = MyLinConv(x,h4);
    n1 = linspace(0,1,length(y1));
    n2 = linspace(0,1,length(y2));
    n3 = linspace(-1,1,length(y3));
    n4 = linspace(-2, 2, length(y4));
    [Y1,H1] = MyLinConv(x,h1);
    subplot(8,1,1);
    stem(n1,y1);
    subplot(8,1,2);
    z1 = conv(x,h1);
    stem(n1,z1);
    [Y2,H2] = MyLinConv(x,h2);
    subplot(8,1,3);
    stem(n2,y2);
    subplot(8,1,4);
```

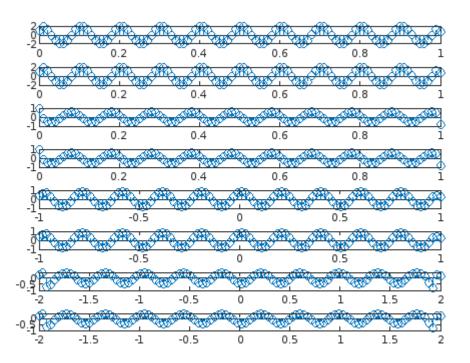
```
z2 = conv(x,h2);
stem(n2,z2);

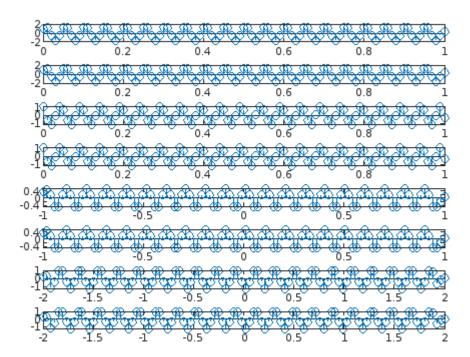
[Y3,H3] = MyLinConv(x,h3);
subplot(8,1,5);
stem(n3,y3);
subplot(8,1,6);
z3 = conv(x,h3);
stem(n3,z3);

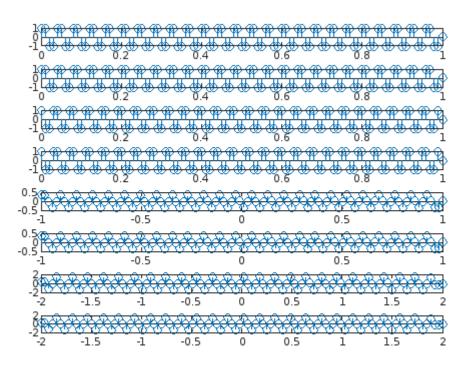
[Y4,H4] = MyLinConv(x,h4);
subplot(8,1,7);
stem(n4,y4);
subplot(8,1,8);
z4 = conv(x,h4);
stem(n4,z4)
```

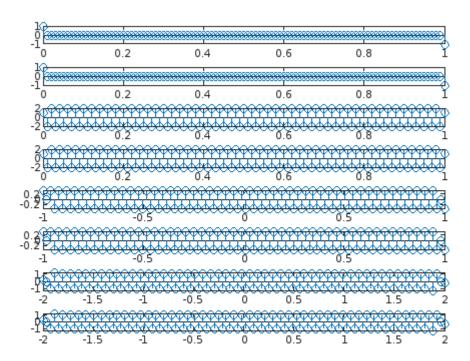
end











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