
```
clear all;
close all;
clc;

h=[1,1,1,1,2,2,2,2];
x=[1,1,1,1,1,1,1,1];

M=length(x);
N=length(h);

L=max(M,N);

x=[x,zeros(1,L-M)];
h=[h,zeros(1,L-N)];

H=ciramat(N,h);
Y=H*transpose(x);

D=MyDFT(8);

H_k=D*transpose(h);
X_k=D*transpose(x);
Y_k=H_k.*X_k;
Do=MyIDFT(8);
Yout=(Do*Y_k)/8;

display(Yout)

Yout =

    12.0000 - 0.0000i
    12.0000 - 0.0000i
    12.0000 + 0.0000i
    12.0000 + 0.0000i
    12.0000 + 0.0000i
    12.0000 + 0.0000i
    12.0000 - 0.0000i
    12.0000 - 0.0000i
```

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