**7)4.**

%PTC 5005 - 2019

%Prof: Magno Silva

%Aluno: Stéfano Albino Vilela Rezende (Ouvinte)

%Lista de Exercícios 3 - Exercício 7

x = [3 0 2 0 -1 1 -1 0 2]

X5 = fft(x,5)

N=length(X5)

figure (1)

subplot(211)

stem ([0:N-1],abs(X5))

grid

xlabel('k')

ylabel ('Módulo X5(k)')

subplot(212)

stem ([0:N-1],angle(X5))

grid

xlabel('k')

ylabel ('Fase X5(k)')

y5 = ifft(x,5)

N=length(y5)

figure (2)

subplot(211)

stem ([0:N-1],abs(y5))

grid

xlabel('n')

ylabel ('Módulo y5(n)')

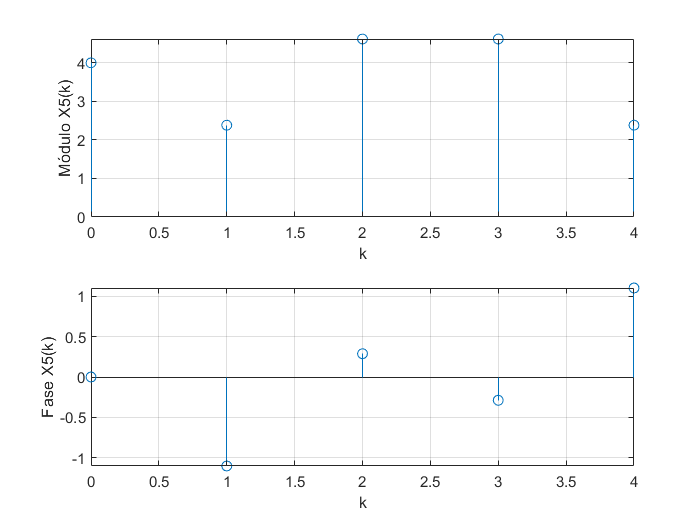
subplot(212)

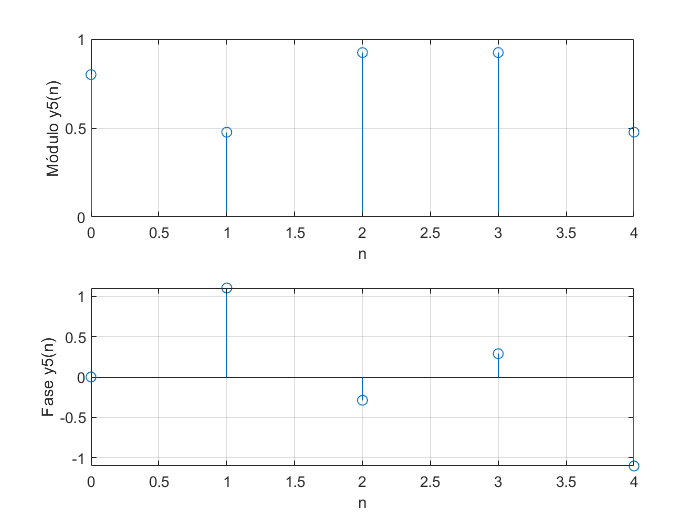
stem ([0:N-1],angle(y5))

grid

xlabel('n')

ylabel ('Fase y5(n)')

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