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Assignment#01

x[k] = [4 -2 3], h[k] = [2 4 -1], Find y[k] = ?

Solution:-

K	-4	-3	-2	-1	0	1	2	3	4
H[k]			2	4	-1				
X[k]				4	-2	3			
H[-k]					-1	4	2		
H[1-k]						-1	4	2	
H[2-k]							-1	4	2
H[-1-k]		2	4	-1					
H[-2-k]	2	4	-1						

From Positive Side

Y[0]= (-1*-2) +(3*4) = 14

Y[1]= (-1*3) = -3

Y[2]= No Overlapping

From Negative Side

Y[0]= (4*-1) = -4

Y[1]= No Overlapping

Y[n]={-4,14,3}

Assignment#1

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Assignment#1