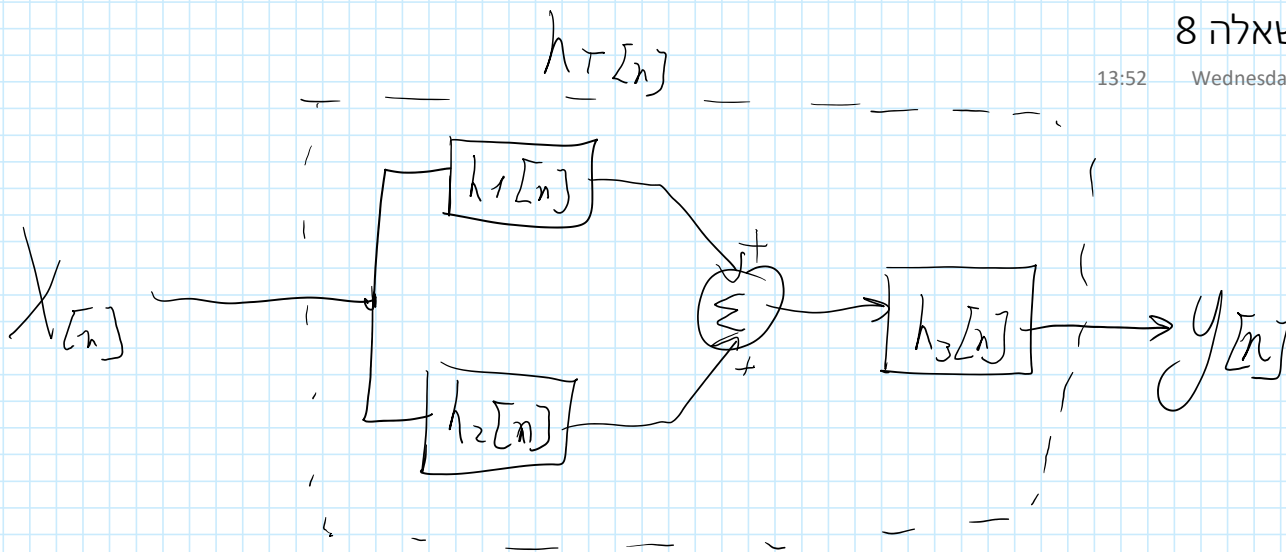




$$h_T[n] = (h_1[n] + h_2[n]) * h_3[n]$$

(1)

$$h_1[n] = \delta[n]$$

$$h_2[n] = \delta[n - 2]$$

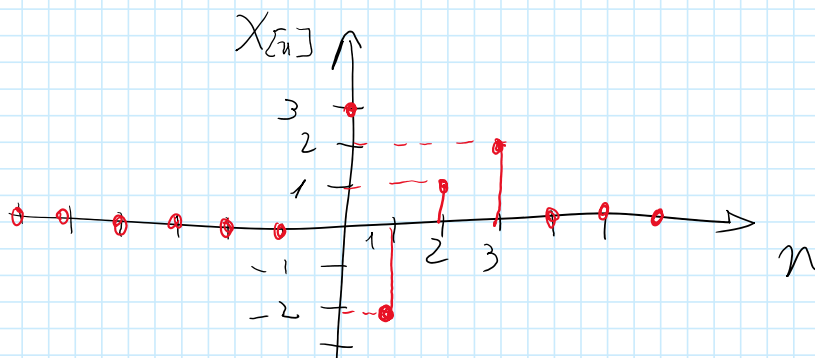
$$h_3[n] = 2\delta[n]$$

(2)

$$h_T[n] = (\delta[n] + \delta[n - 2]) * 2\delta[n]$$

$$h_T[n] = 2\delta[n] + 2\delta[n - 2]$$

(3)



$$X[n] = 3\delta[n] - 2\delta[n - 1] + \delta[n - 2] + 2\delta[n - 3]$$

$x[n]$	$h[n]$			
3	2	6	0	2
-2	-4	-4	0	-4
1	2	2	0	2

1	2	0	2
2	4	0	4

$$y[n] = [6, -4, 8, 0, 2, 4]$$

