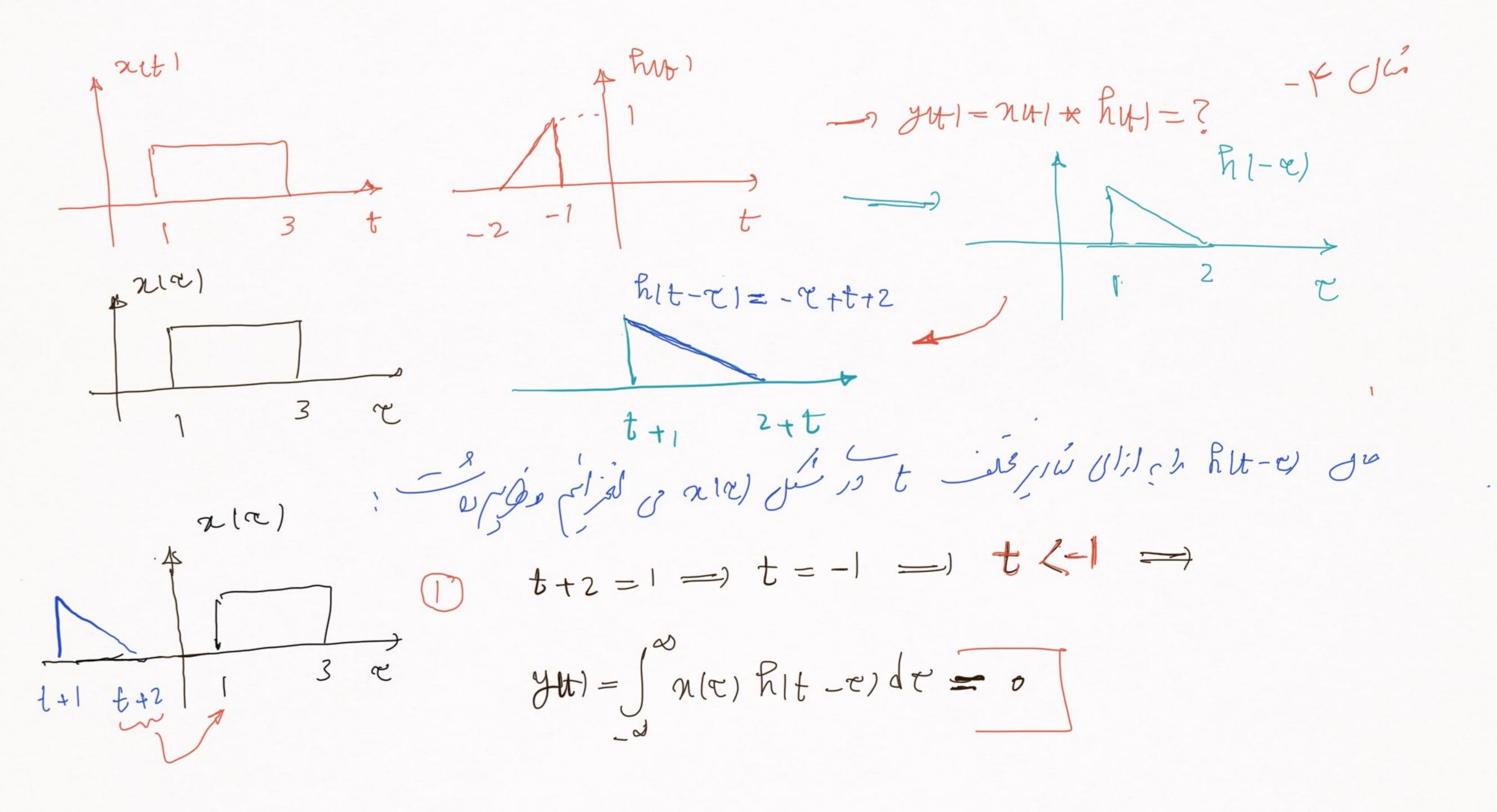
ya(= = 2 2(b) h(n-k) = 2 2(n-k) h(b) 2 h[n] = U(n) - 9 yan = 24n/ 2 h(n) =? -100 201= 2 u[-n] u[-k]= h[-k] 12345 -3-7--4-3-2-10123K 2 [k n (0 = ) ym/= > 1x2 n-2n-1n-2-10 K 120 -> 4/1/= = 1x2 « — w/2 k right of of of the of som

7[n] = y(cn1+ y2(n) Fiz [n] = S[n] - 1/8 S(n-17  $\begin{cases} y_1(n) = x_1(n) + h_1(n) = (1/8) u_1(n) + (C_1(3)n + S_{11}(3)n) \\ y_1(n) = y_1(n) + h_1(n) \\ \vdots \\ y_n(n) = y_n(n) + h_1(n) \end{cases}$ in the plant soly and - Ét. 16, 10, 10, 10, 10, 20 - 250 (

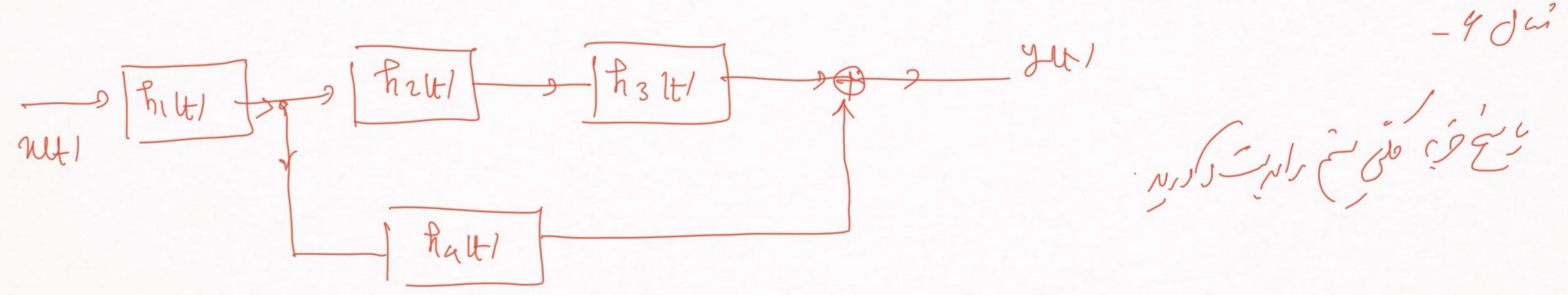
2 (n) the (n) that the film) that the film of or one shift Z(n1=2(n1 + h2[n] = (1/8) "u(n/+ (3(n1-1/88(n-1))) = 1/8) u(n) + 8(n1-1/8) u(n) + 1/8 s(n-1)  $Z(n) = (1/8)^n u(n) - (1/8)^n (1/8)^n u(n-17) = (1/8)^n (u(n) - u(n-1)) = (1/8)^n S(n) =$  $\Rightarrow$   $2[n] = (\frac{1}{8})8(n) = (\frac{1}{8})8(n) = 8(n)$ =) y(a) = 2(n/ \* h, [a/ = 8(n) \* (C)3n+8n3n) = C)3n+8m3n



$$|x| = \int_{1}^{1} \frac{1}{x} \left( -x + t + 2 \right) dx = \frac{1}{2} \left( -x + t$$

1/2 1 t +1) 2 ; -1 < t < 0 1/2 3 0 4 1 1/2 - 1/2 1 t-1) 2 ; 1 < t < 2 ; t>2 1-2=1 2 = 3-1

hul= e régil l'Ésordins 2lt1=ult+0.5)-ult-0.5) ~ visi -a d'ai who his in who apple o or in house hos him  $ytt = \int_{-a}^{a} \chi(t) h(t-t) dt = \int_{-a}^{0.5} jw_{0}(t-t) dt$ - b.5 0.5 t  $= e \int_{-0.5}^{0.5} e d\tau = e \left[ \frac{-jw_0\tau}{-jw_0} \right]$  $=) gut = e^{\int w_0 t} \left( \frac{\sin w_0}{2} \right) = 0 \Rightarrow w_0 = 2\pi, -1$ 



 $h_1 | t| = e u t$   $h_2 | t| = u t$   $h_3 | t| = e u t$   $h_3 | t| = e u t$   $h_4 | t| = e u t$ 

 $h_{1} = h_{1}(t) * \int h_{2}(t) * h_{3}(t) + h_{4}(t)$   $h_{2}(t) * h_{3}(t) = u(t) * e u(t) = \int u(t-e) e u(e) de$   $= - = \frac{1}{3}(1-e^{-3t}) u(t)$ 

hlt)=1/3/1-e3t)ult/

: va) (is die pré

7 (m) -V dú ,2[n),2[n] &d. Couilde de Color · ison of the vois of the min shows.  $x_{2}[n]$ 1 

1 

1 

2  $y_{2}[n]$ 1 

2 

-1 0 1 2 

-1 0 1 3 4 nSvil distorial is considered in the city in . N. S. E. S. M. M. C. E. - in y6/=2 2, [n] = S(n) -> 7, [n]  $\mathcal{H}_{3}(n) = 8[n+1] \longrightarrow \mathcal{J}_{3}[n] = \mathcal{J}_{1}[n+1]$ y3/n) ≠ 01(n+1] 05

2 9 1 9 2 (n) 2 10 | M

Berili 200 Jiso 2001 se É É Osistos de il الله الماله و الماله و الماله و الماله المال

2(n) = 2[x2(n) + x3[n] - 2(n)

$$\frac{2 \times 2 \ln 1}{1 - 1 \cdot 0}$$

$$\mathcal{H}(n)$$

$$\mathcal{H}(n)$$

$$= \frac{2}{n}$$

$$= \frac{1}{n}$$