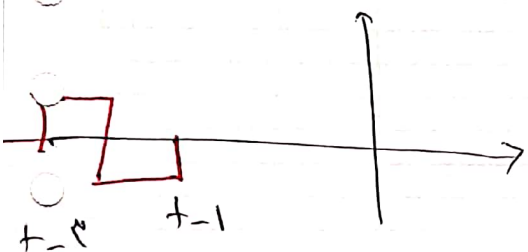
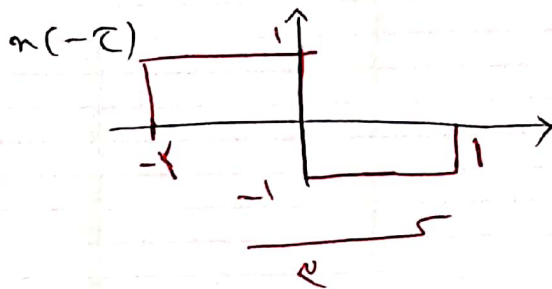
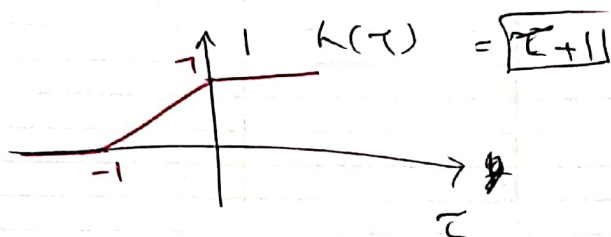
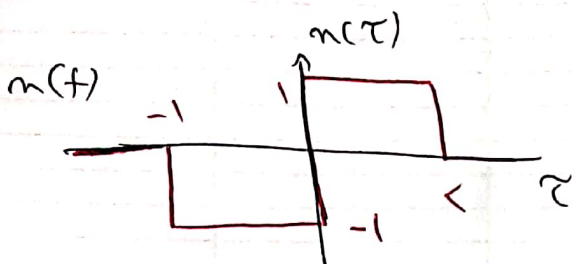


طبق جدول

$$y(t) = \int_{-\infty}^{+\infty} m(\tau) h(t-\tau) d\tau = m(t) * h(t)$$

اشكال كائونج

تابع $m(t)$ ، استيفاء



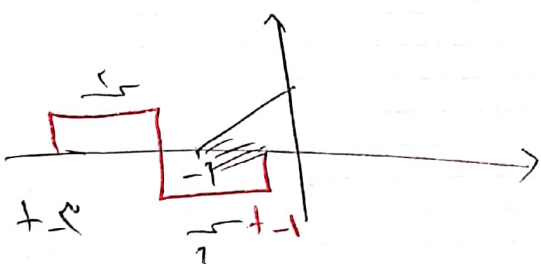
$$m(t-\tau) \quad t < 0$$

so $y(t) \rightarrow$ مع بونگي نازار

$$t-1 < -1 \rightarrow t < 0$$

$$t-1 > 1 \rightarrow t > 2$$

$$-1 \leq t-1 \leq 1 \rightarrow 0 \leq t \leq 2$$



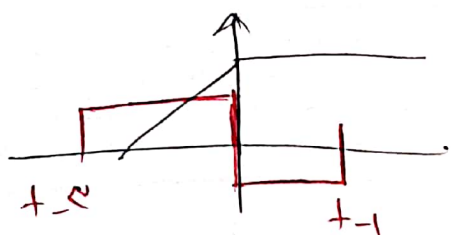
$$\int_{-1}^{+1} m(\tau) h(t-\tau) d\tau =$$

$$\int_{-1}^{+1} (\tau+1) d\tau =$$

$$\left. \frac{1}{2} \tau^2 + \tau \right|_{-1}^{+1}$$

$$\frac{1}{2} (+1)^2 + (+1) - \left[\frac{1}{2} (-1)^2 + (-1) \right] =$$

$$\frac{1}{2} (+1)^2 + (+1) + \frac{1}{2}$$



$$t-1 < -1 \rightarrow t < 0$$

$$t-1 > 1 \rightarrow t > 2$$