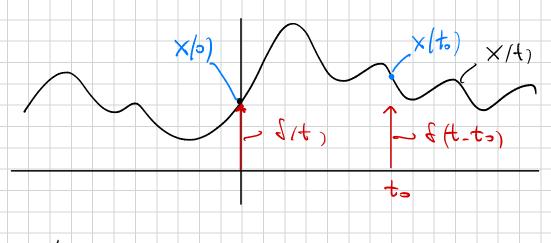


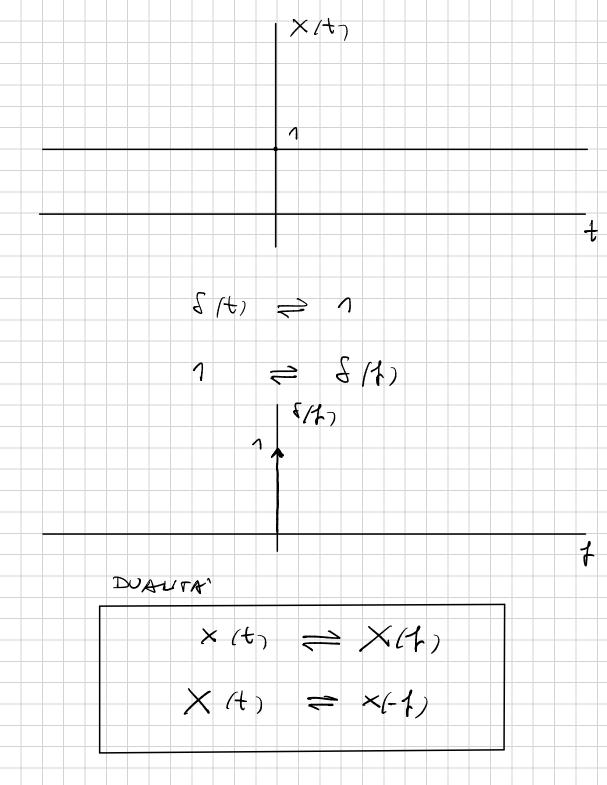
CAPPISNATRICE

$$\int_{-\infty}^{\infty} \times (t) \, \delta(t) \, dt \geq \times (a)$$



· INVARIANTA AL PROBOCONOWHONE

TRASPORMA M POURIER $S(t) \rightleftharpoons \Delta(f) = 1$ $\Delta(1) = \int_{-\infty}^{\infty} \delta(t) e^{-j2\pi t} dt = 1$ d (t-t-) = 1. e-j=t-ft-



$$\cos \left(2\pi + \frac{1}{4}\right) \rightleftharpoons \frac{5(1-1-)+6(1+1-)}{2}$$

$$d/m_{\circ}$$

$$\delta(t-t) \Rightarrow e^{-j2\pi i} + t_0$$

$$e^{-j2\pi i} + t_0$$

$$e^{-j2\pi i} + t_0$$

TRAGRONGERRANT See (277-10) = - (1-1-) - f (1+1-)
- 2j do mo Seu (27/15t) 2 e 12/1/5t _ e 12/1/5t APPLICADO LA BOALIM DELLA DELMA MERE.

$$\times$$
 (+) $(-1) + \times (+1)$

$$= 2$$

Charge 134 althas

APPLICANDO IL

$$\begin{array}{c} SISTEPH \\ \times (t) & T(.) & y(t) \\ \hline \text{Ingress} & \text{use} \\ y(t) = T(\times (a)) + \\ \end{array}$$

CAUSAZITAI

$$Y(t) = T[x(t)]$$

$$T[x(t-t)] = Y(t-t)$$

4/47

uscita

 $(t) = T \left[\times (d) \right] d \leq t + (+)$

LINEARITA'

$$y_{1}(t) = T \left(x_{1} d_{1} \right)$$

$$y_{2}(t) = T \left(x_{1} d_{1} \right)$$

$$T \left(x_{1} d_{1} + x_{2} d_{1} \right) = T \left(x_{1} d_{1} \right) + T \left(x_{2} d_{1} \right)$$

$$= y_{1} d_{1} + y_{2} d_{2}$$

$$= y_{1} d_{2} + y_{2} d_{3}$$

$$STARAGE \left(B_{1} B_{2} \right)$$

$$| x/t, | \leqslant D \rightarrow | y/t, | \leqslant E$$

$$h(t) \triangleq T(\xi(t)) Risport ippuz Guy$$

$$\{(t)\} = T(x(t))$$

$$= T(x(t)) \otimes \xi(t)$$

$$= T \left[\int_{-b}^{b} X(\alpha) \delta(t-\alpha) d\alpha \right]$$

$$= \int_{-b}^{b} \left[X(\alpha) \delta(t-\alpha) \right] d\alpha$$

$$= \int_{-b}^{b} X(\alpha) T \left[\delta(t-\alpha) \right] d\alpha$$

$$= \int_{-b}^{b} \times (a) h(t-a) da$$

$$= \times (t) \otimes h(t)$$

$$= \times (t)$$