2.8)
$$x(t) = \begin{cases} t+1 & 0 \le t \le 1 \\ 2-t & 1 \le t \le 2 \end{cases}$$

$$h(t) = \begin{cases} (t+2) + 2f(t+1) \end{cases}$$

$$y(t) = \begin{cases} x(t-1) & f(t-1) \\ f(t) = f(t+2) + 2f(t+1) \end{cases}$$

$$x(t) = \begin{cases} x(t-1) & f(t-1) \\ x(t-1) & f(t+1) \end{cases}$$

$$y(t) = \begin{cases} x(t-1) & f(t+1) \\ x(t+1) & f(t+1) \end{cases}$$

$$y(t) = \begin{cases} x(t-1) & f(t+1) \\ x(t+1) & f(t+1) \end{cases}$$

$$y(t) = \begin{cases} x(t-1) & f(t+1) \\ x(t+1) & f(t+1) \end{cases}$$

$$\begin{cases} t+3 & -2 \leq t \leq -1 \\ t+4 & -1 \leq t \leq 0 \end{cases}$$

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

$$0 & 0_0 C_0$$

$$h(t) = \begin{cases} e^{2t} & 4 \ge t \\ 0 & 4 \le t \le 5 \end{cases}$$

$$h(t-\tau) = \begin{cases} e^{2(t-\tau)} & 4 \ge t - \tau \\ e^{-2(t-\tau)} & 5 < t - \tau \end{cases}$$

$$h(t-r) = \begin{cases} e^{(t-r)} & x > t - q \\ 0 & x > t - q \end{cases}$$

$$\begin{cases} e^{(t-r)} & x > t - s \\ e^{-x(t-r)} & x < t - s \end{cases}$$

$$A = t - s$$

$$A = t$$

$$y(t) = \int_{0}^{x} (\frac{x}{4}) dt + \int_{0}^{t} x(x) dx$$

$$= \int_{0}^{x} (\frac{x}{4}) dt + \int_{0}^{t} x(x) dx$$

$$= \int_{0}^{t} x(\frac{x}{4}) dt + \int_{0}^{t} x(x) dx$$

$$= \int_{0}^{t} x(\frac{x}{4}) dt + \int_{0}^{t} x(x) dx$$

$$= \int_{0}^{t} x(\frac{x}{4}) dt + \int_{0}^{t} x(x) dx$$

$$\frac{0}{4} \leq \frac{1}{4}$$

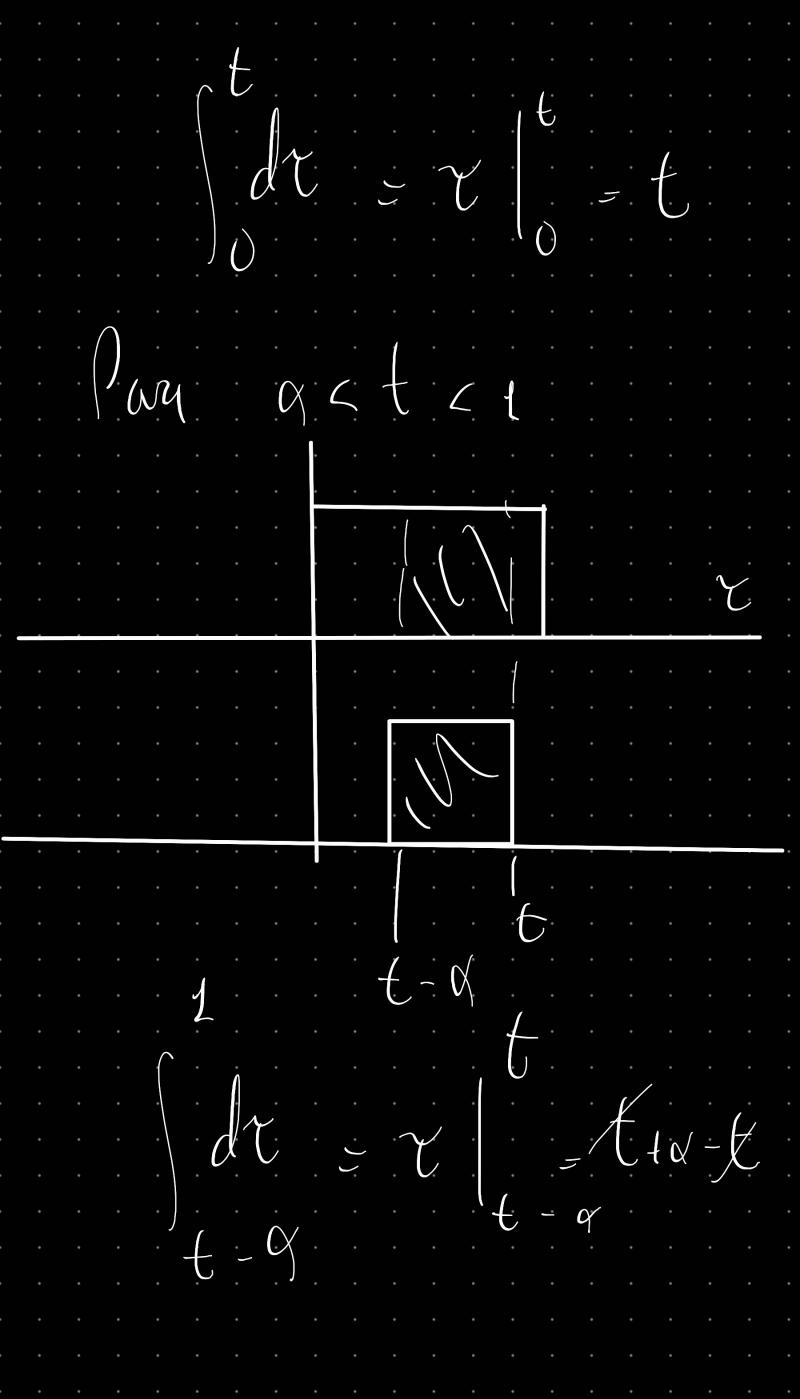
$$(\mathcal{C})$$

$$y(t) = \begin{cases} \chi(\tau) \cdot \chi(t-\tau) d\tau \\ -\infty \end{cases}$$

$$t \quad 0 \leq \gamma \leq 1 \quad 1 \quad 0 \leq t-\tau \leq 1$$

$$0 \quad 0 \leq \tau \leq 1 \quad 0 \quad t \geq \gamma \geq t-\gamma$$

Paq
$$t \ge 0$$
 $t = 0$
 $f(t) =$



1 (t (1 + d t-01 t $\int_{t-d}^{\infty} dx = 1 - t + \alpha$ Par 1+9ct

