

m, (7-1) dt= = = n, (7-1) d1 $y'(t) = \begin{cases} t - r(t-\tau) \\ e \end{cases} \quad \text{an} (\tau-1) d\tau = \alpha \begin{cases} -r(t-\tau) \\ e \end{cases} \quad \text{n} (\tau-1) d\tau$ = a y(6)

 $h(b) = \int_{-\infty}^{t} e^{-r(t-\tau)} \delta(\tau_{-1}) d\tau =$

() lh (b) | 26 < 00 = 6 Loe $u(t-1) dt = e' + e^{t} dt = e' = 1$ $y'(t) = \int_{-r(t-\tau)}^{-r(t-\tau)} \chi'(\tau-1) d\tau$ e-r(+-r) (M, (T-1)+ N, (T-1)) dT = e (+-z) - (+-z) - (+-z) - (+-z) - (+-z) - (+-z) - (-z) - (-z) - (-z) 3, (t)+ y, (b) y'(+)= = (+-7) (An(x-1)) d = $\frac{e^{-\tau(t-\tau)}}{e^{-\tau(t-\tau)}} n(\tau-1) d\tau = A y(t)$

$$y(t) = \int_{-\infty}^{+\infty} e^{Y(t-\tau)} n(\tau-1)$$

$$y'(t) = \int_{-\infty}^{+\infty} e^{-r(t-\tau)} n'(\tau-1) d\tau = \int_{-\infty}^{+\infty} e^{-r(t-\tau)} n(\tau-1-t_0) d\tau$$

$$Q = \tau - t_0 \quad y'(t) = \int_{-\infty}^{+\infty} e^{-r(t-\tau)} n(\tau-1) d\tau$$

$$y(t-t_0) = \int_{-\infty}^{+\infty} e^{-r(t-\tau)} s(\tau-1) d\tau = y'(t)$$

$$h(t) = \int_{-\infty}^{+\infty} e^{-r(t-\tau)} s(\tau-1) d\tau \qquad (\tau-t_0) d\tau$$

$$h(t) = \int_{-\infty}^{+\infty} e^{-r(t-\tau)} s(\tau-1) d\tau \qquad (\tau-t_0) d\tau$$



(7-2-9) h(+)/d+ <00 ,00/04 $e^{\int_{-\infty}^{\infty} e^{-r} dr} = e^{\int_{-r}^{\infty} e^{-r$ عبر د بر عبر د (۲-۱) مر د حبر بر عبی نیستا



 $h[n] = \begin{cases} \begin{pmatrix} 0 & n(0) & (u[n-m]=0), u[n]=0 \end{pmatrix}, \\ \begin{pmatrix} -\frac{1}{n} \end{pmatrix}^n & n > 0, n < m \\ n > m \end{cases}$ $= \sum_{0}^{\infty} \left(\frac{1}{r}\right)^{n} + \sum_{m}^{\infty} \left(\frac{1}{r}\cdot 1\right)^{m} = kr + \infty \not \infty$

(= in k6(b) right) /1 des h(-1)=-1'e'=e'=to | h(b) | db = | t'e dt = 1,7 x 10



 $\int_{-\infty}^{+\infty} |h(t)| dt = \int_{-\infty}^{1} e^{\gamma t} dt = \frac{e^{\gamma t}}{|-\infty|} = \frac{e^{\gamma t}}{|-\infty|}$

