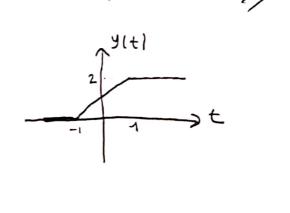


 $\frac{1}{\xi} \Rightarrow \tau \qquad \frac{1}{-1} = \frac{1}{1 + 1} = \frac{1$

$$y(t) = \begin{cases} 0, & t < -1 \\ t + 1, & -1 < t < 1 \\ 2, & t > 1 \end{cases}$$



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SOR V 14.

Solve 2.

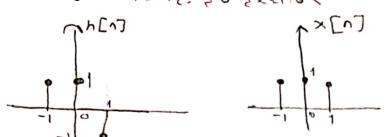
of
$$x(t) = e^{-t} v(t)$$

$$E = \int_{-\infty}^{\infty} |x(t)|^2 dt$$

X(t) isovet: everi; nedo 320 gre:19;v

50ru5.

torkeijonlormis. En sørilge



Holil G&k

1 tu

Konvolasson toplominis offile zonan dadin.

For Finangor: Nortolor For Finangor: Nortolor gizinga For Finangor: Nortolor

$$J[1] = \sum_{k=1}^{k=1} \times [k] \cdot h[1-k]$$

(biliner deserteri Korolin)

$$= \times [-1] \cdot h(2) + x[0] \cdot h(1) + x(1) \cdot h(0)$$

$$= \times [-1] \cdot h[1] + x[0] \cdot h[0] + x[1] \cdot h[-1]$$

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SORU 3

$$(3+2+2+41) S(+1) = (3+2+2+41) \frac{d+}{d+1}$$

$$(3+^2+2++1) = 6++2$$

a)
$$\int_{-2}^{3} (3t^{2} + 2t + 1) \frac{d}{dt} \cdot dt$$

$$= \int_{-2}^{3} (3t^{2} + 2t + 1) dt$$

$$= t^{3} + t^{2} + t \left[\frac{3}{2} \right] = (27 + 9 + 3) - (-8 + 4 - 2)$$

$$= t^{3} + t^{2} + t \left[\frac{3}{2} \right] = (27 + 9 + 3) - (-8 + 4 - 2)$$

$$= 43 + t^{2} + t \left[\frac{3}{2} \right] = (27 + 9 + 3) - (-8 + 4 - 2)$$