Problema: Calcular la salida y(n) del siguiente sistema LIT:

- Entrada: x(n) = u(n) u(n-4) (pulso rectangular de anchura 4)
- Respuesta al impulso: h(n) = (0.7)^n·u(n)

$$= \frac{0.7 - 0.7^{n+1}}{-0.3} = \frac{0.7^{n+1} - 1}{0.3}$$

$$y(n) = 0.7^n \frac{0.7^{n+1}-1}{0.3} = \frac{0.7^{n+1}-0.7}{0.3} 0 \le \sqrt{3}$$

$$\begin{array}{lll}
(a & 3 & k = f, \frac{1}{2}, \frac{1}{2}, \frac{3}{3} \\
y(n) & = \sum_{k=0}^{3} \frac{(0.7)^{n-k}}{(0.7)^{n}} = 0.7 & \sum_{k=0}^{3} 0.7 \\
& = \sum_{k=0}^{3} \frac{1 - (0.7)^{n}}{1 - 0.7^{n}} = \frac{1 - 0.7}{0.7} & = \frac{0.7^{n} - 1}{0.7} \\
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