fredag 26 januari 2024 21:45

$$u(t) = O(t) - 20(t-1) + O(t-2)$$
 $u(t) = O(t)$
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 $u(t) = O(t)$

$$\int_{S}^{\infty} e^{-st} dt = \left[-\frac{e^{-st}}{s} \right]_{s}^{\infty} =$$

$$=\lim_{s \to \infty} \frac{e^{-sT}}{s} + \frac{e^{-s}}{s} \rightarrow \frac{e^{-s}}{s}$$

$$Lh(s) = \int_{-\infty}^{\infty} e^{-st} \theta(t-2) dt \Rightarrow$$

$$\Rightarrow \int_{2}^{\infty} e^{-st} dt = \left[-\frac{e^{-st}}{s} \right]_{2}^{\alpha} =$$

$$= \lim_{s \to \infty} -2s$$

$$= \lim_{s \to \infty} -2s$$

$$+ \underbrace{e^{-2s}}_{s}$$

$$+ \underbrace{e^{-2s}}_{s}$$

$$+ \underbrace{e^{-2s}}_{s}$$