Monday, February 16, 2026 8:19 PM

$$\delta(t) = \begin{cases} 1 & t = 0 \\ 0 & t \neq 0 \end{cases}$$

$$X(s) = \int_0^{\infty} x(t) \cdot e^{-s \cdot t}\, dt \quad , \quad s = \alpha + j\omega$$

$$\delta(t) = \begin{cases} 1 & t = 0 \\ 0 & t \neq 0 \end{cases}$$

$$\delta(s) = \int_{0^-}^{0^+} \delta(t) \cdot e^{-st}\, dt + \int_{0^+}^{\infty} \delta(t) \cdot e^{-st}\, dt$$

$e^{-s(0)} = 1$

$$\int_0^{\infty} \delta_a(t)\, g(t)\, dt = g(a)$$

Propiedad de la selectividad