deriveda de la fución signoide

$$\frac{1}{1+e^{t}} = \frac{1}{1+e^{t}} = -1 \left(1+e^{t}\right)^{2} \cdot \frac{1}{1+e^{t}} = -1 \cdot \left(1+e^{t}\right)^{2} \cdot \frac{1}{1+e^{t$$

Hacimoo algebra

$$\frac{e^{-\frac{1}{2}}}{(1+e^{-\frac{1}{2}})(1+e^{-\frac{1}{2}})} = \frac{1}{1+e^{-\frac{1}{2}}} \cdot \frac{e^{-\frac{1}{2}}+1-1}{(1+e^{-\frac{1}{2}})} = \frac{1}{1+e^{-\frac{1}{2}}} \cdot \frac{e^{-\frac{1}{2}}+1-1}{(1+e^{-\frac{1}{2}})} = \frac{1}{1+e^{-\frac{1}{2}}} \cdot \frac{1}{1+e^{-\frac{1}{2}}} \cdot \frac{1}{1+e^{-\frac{1}{2}}}$$

$$\mathcal{T}(t) = \frac{1}{1 + e^{-t}} \qquad \mathcal{T}'(t) = \mathcal{T}(t) \left(1 - \mathcal{T}(t)\right)$$