$$\frac{7!}{x^2} = sm^2 \qquad s = sgn \times cel m \in [\frac{1}{2}, 1)$$

$$rd(s) = sm^2 2^c \qquad m_t^* \in [\frac{1}{2}, 1)$$

$$|m - m_t^*| \leq \frac{1}{2} 2^{-t}$$

$$L = \frac{|Sm_{+}^{T}2^{c} - Sm_{2}^{c}|}{|Sm_{2}^{c}|} = \frac{2^{c}}{2^{c}} \frac{|m_{+}^{T} - m|}{m} < \frac{1}{2} e^{-t} \cdot \frac{1}{m} <$$

$$\left(m \in \left[\frac{1}{2}, 1\right) \Rightarrow \frac{1}{m} \in \left(1, 2\right) \Rightarrow \frac{1}{m} \leq 2\right)$$

$$(\frac{1}{2}2^{-t}\cdot 2 = 2^{-t}$$