

$$y(t_f) = 225$$

$$y'(t_f) = 0 \text{ 55 pisos}$$

$$y''(t_f) = 0$$

$$t = ?$$

↑ y

225 m.

$$1 \text{ ft} = 0.304 \text{ m}$$

$$\begin{array}{r} 1.6 \\ \hline 1824 \\ 304 \\ \hline 0.4864 \end{array}$$

Sacudida 0.4864

$$\frac{da}{dt} \Rightarrow \frac{\frac{m}{s^2}}{s} \Rightarrow \frac{m}{s^3}$$

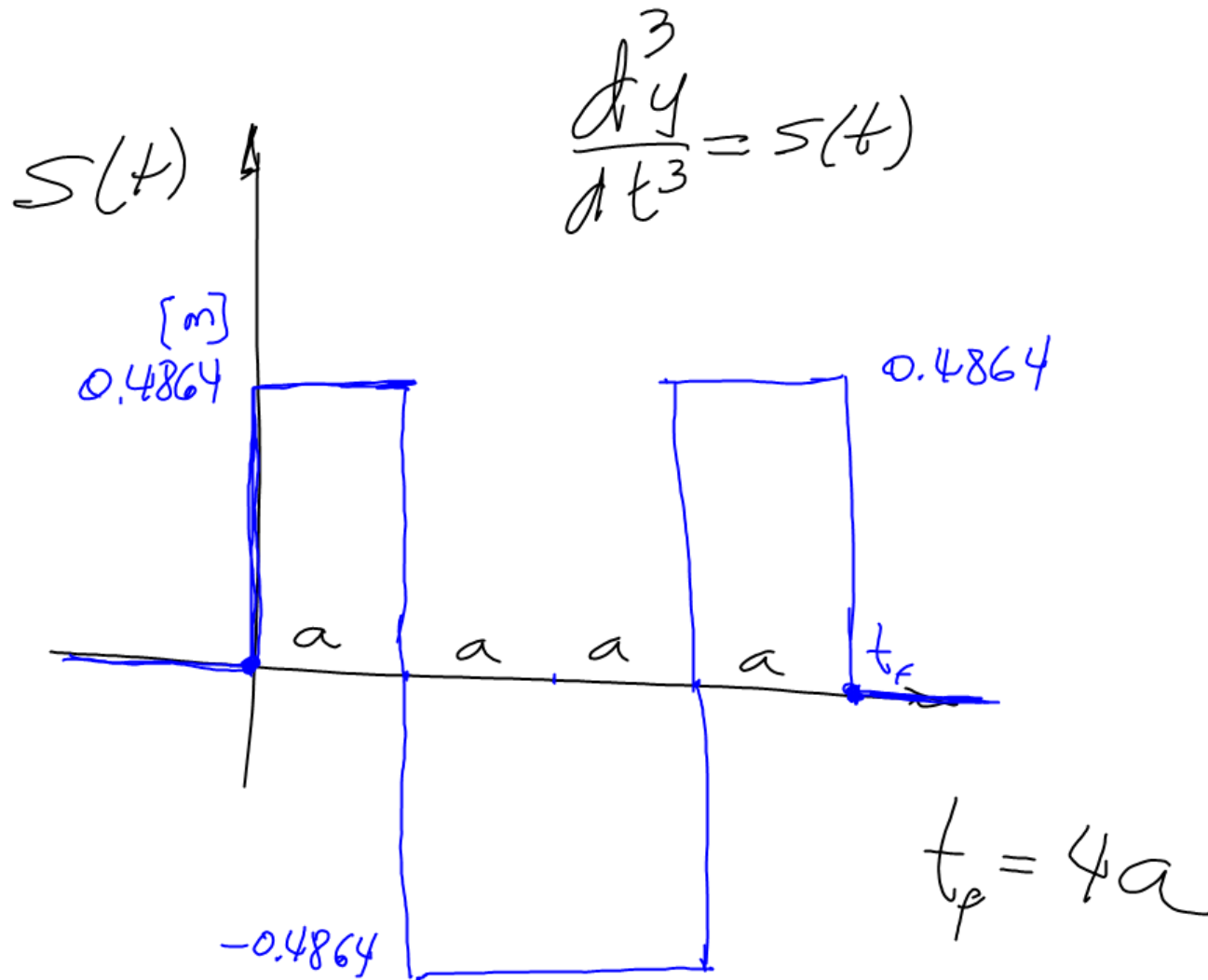
$$S(t) \leq 1.6 \frac{\text{ft}}{s^3}$$

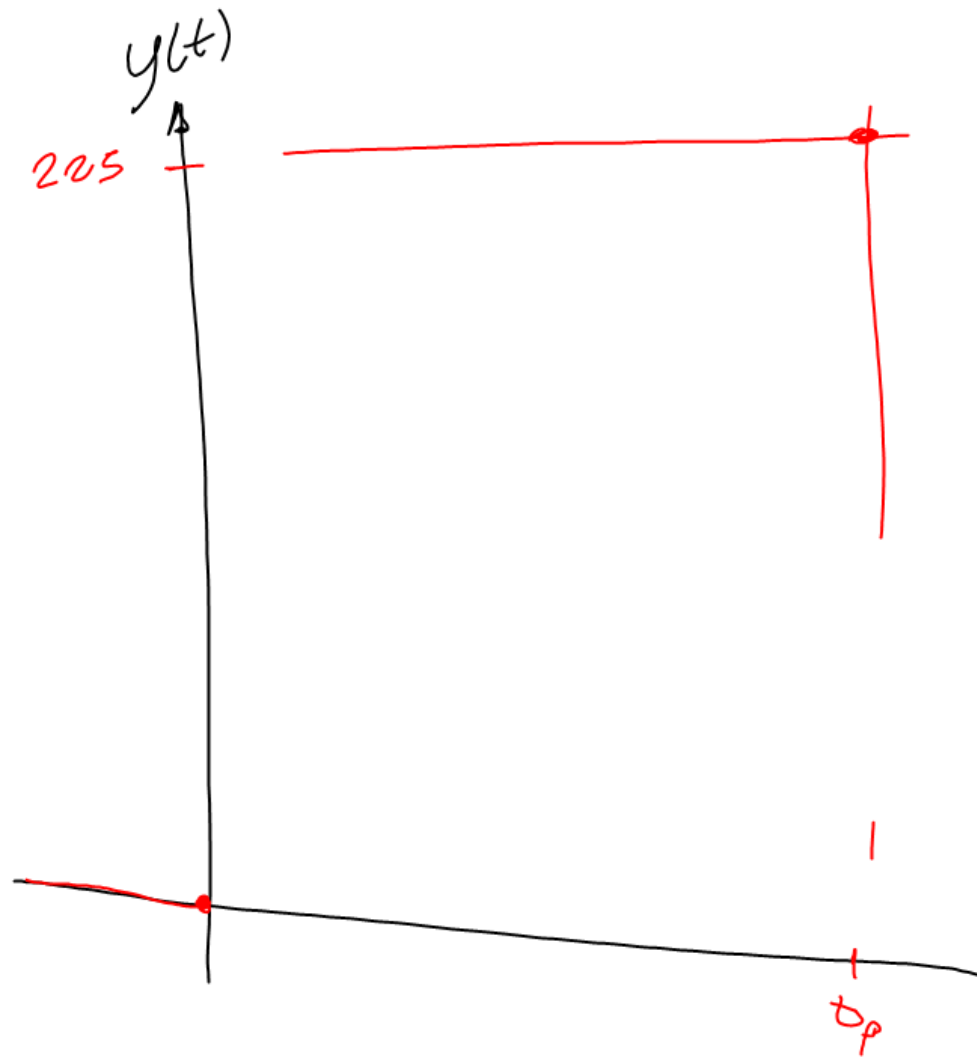
$$y(0) = 0$$

$$y'(0) = 0$$

$$y''(0) = 0$$

NIVEL P. RESFORMA





$$t_f = 25 \text{ seg}$$

$$V_{\max} = 18 \frac{\text{m}}{\text{s}}$$

$$a_{\max} = 3 \frac{\text{m}}{\text{s}^2}$$

$$s_{\max} = 0.4864 \frac{\text{m}}{\text{s}^3}$$