$$F = \frac{1}{s}$$
 y $H = 1$

Encuentre el error para

- a) Escalon
- b) Impulso
- c) Rampa

Formula a usar

$$\lim s \to 0 \qquad (s) \left(\frac{1}{1 + H(s) \cdot F(s)} \right) (I(s))$$

Solución

a) Escalon

$$(s)(\frac{1}{1+\frac{1}{s}})(\frac{1}{s}) = \frac{1}{1+\frac{1}{s}} =$$

$$\lim_{s\to 0} s\to 0 \qquad \frac{1}{1+\frac{1}{0}} = 0 \qquad \text{R// El error tiende a 0}$$

b) Impulso

$$(s)(\frac{1}{1+\frac{1}{s}})(1) =$$

$$\lim s \to 0 \qquad (0)(\frac{1}{1+\frac{1}{0}})(1) = 0$$

c) Rampa

$$\lim_{s \to 0} (s)(\frac{1}{1+\frac{1}{s}})(\frac{1}{s^2}) = (\frac{1}{1+\frac{1}{0}})(\frac{1}{0})=1$$

R// El error tiende a 1