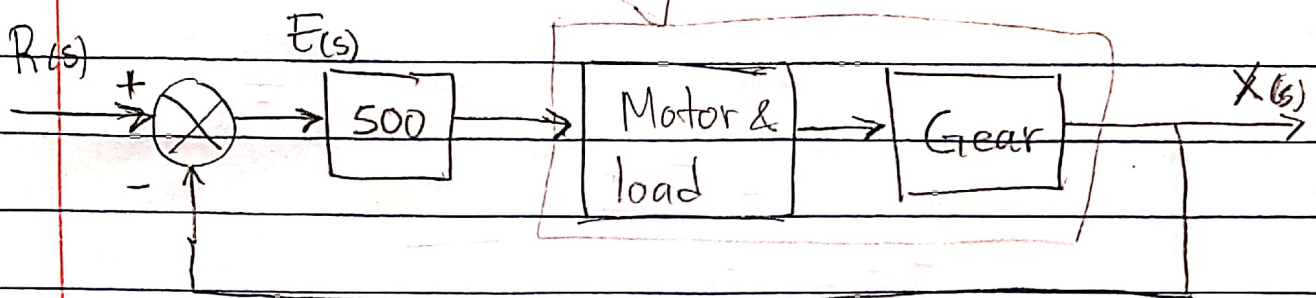


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$$\frac{\Theta_m(s)}{E_a(s)} = \frac{X(s)}{E_a(s)} = \frac{K_t}{R_a J_m} \cdot \frac{1}{s \left[s + \frac{1}{J_m} \left(D_m + \frac{K_t K_b}{R_a} \right) \right]}$$

$$\frac{\Theta_m(s)}{E_a(s)} = \frac{X(s)}{E_a(s)} = \frac{1.25 \text{ A/M}}{s^2 + s \left[\left(\frac{1}{1.25 + M} \right) (2 + 0.250 + 1) \right]}$$

Si $M = 2 \text{ Kg}$ y $D = 5 \text{ Nms/rad}$

$$\frac{X(s)}{E_a(s)} = \frac{0.308}{s^2 + 1.308s}$$

