$$CMC 42 - USta 4$$

$$RODRIGO ALVES DE ALMEIDA$$

$$F(s) = \frac{3s + 5}{(s \times 1)^2(s + 2)} = \frac{As + B}{(s \times 1)^2} + \frac{C}{s + 2}$$

$$A + C = 0$$

$$2B + C = 3$$

$$2B - C = 5$$

$$F(s) = \frac{1}{s + 2}$$

$$A + C = 0$$

$$2B + C = 3$$

$$C = -1$$

$$C = -$$

$$= (1 + 2t)e^{-t} - e^{-2t}$$

$$= (1 + 2t)e^{-$$

$$V = iR + iL + V_b$$

$$K_{+}i - bw = Jiv$$

$$L = Jiv + bw$$

$$i = Jiv + bw$$

$$k_{+}i + k_{+}i$$

$$V = K_{+}i + k_{+}i$$

$$K_{+}i + k_{+}i$$

$$K_{+}i + k_{+}i$$

$$V = K_{+}i + k_{+}i$$

$$K_{+}i + k$$

$$mix + (b1kv) = + kpkv x = u$$
 $u(t) = kpkv t$
 $ms^2 \times (s) + (b+kv)s \times (s) + kpkv \times (s) = U(s)$
 $\times (s) = \frac{U(s)}{(ms^2 + (b+kv)s + kpkv)}$