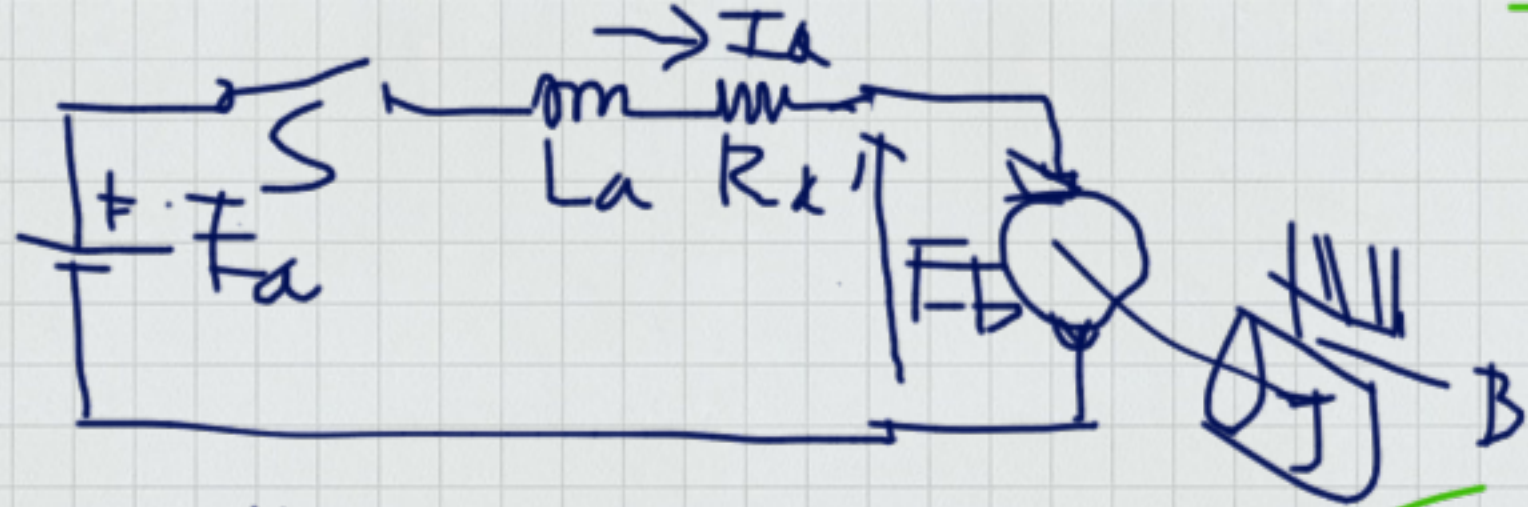




$$(3) T(t) = K_m i_a(t)$$

$$(4) e_b(t) = K_b \omega(t)$$

$$(1) \frac{di_a(t)}{dt} = \frac{1}{L_a} [E_a(t) - K_b \omega(t) - R_a i_a(t)]$$

$$(2) \frac{d\omega(t)}{dt} = \frac{1}{J} [K_m i_a(t) - B \omega(t)]$$

Transformasi Laplace:

$$(1) s I_a(s) = \frac{1}{L_a} [E_a(s) - K_b \omega(s) - R_a I_a(s)]$$

$$(2) s \omega(s) = \frac{1}{J} [K_m I_a(s) - B \omega(s)]$$