$$V_a(s) \longrightarrow \boxed{+} \longrightarrow \boxed{\frac{1}{L_a s + R_a}} \xrightarrow{I_a(s)} \boxed{K_t} \longrightarrow \boxed{\frac{1}{Js+B}} \longrightarrow \Omega(s)$$

$$\boxed{-K_v} \longleftarrow \boxed{\frac{1}{Js+B}} \longleftarrow \boxed{K_t} \longleftarrow$$