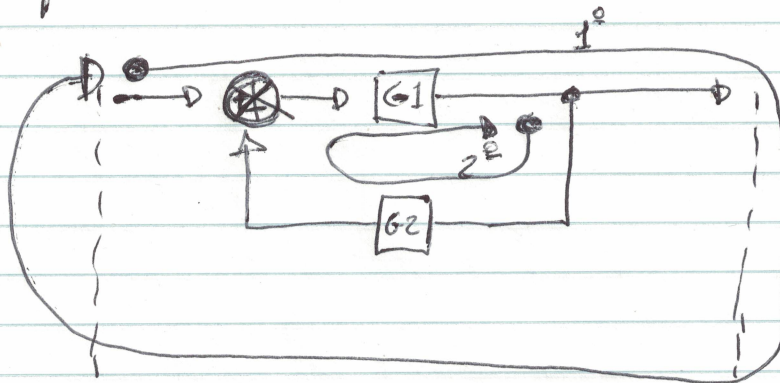$$J \frac{d^2\theta}{dt^2} = T \quad ; \quad J\ddot{\theta} = T$$

Rules of Block Diagram Algebra
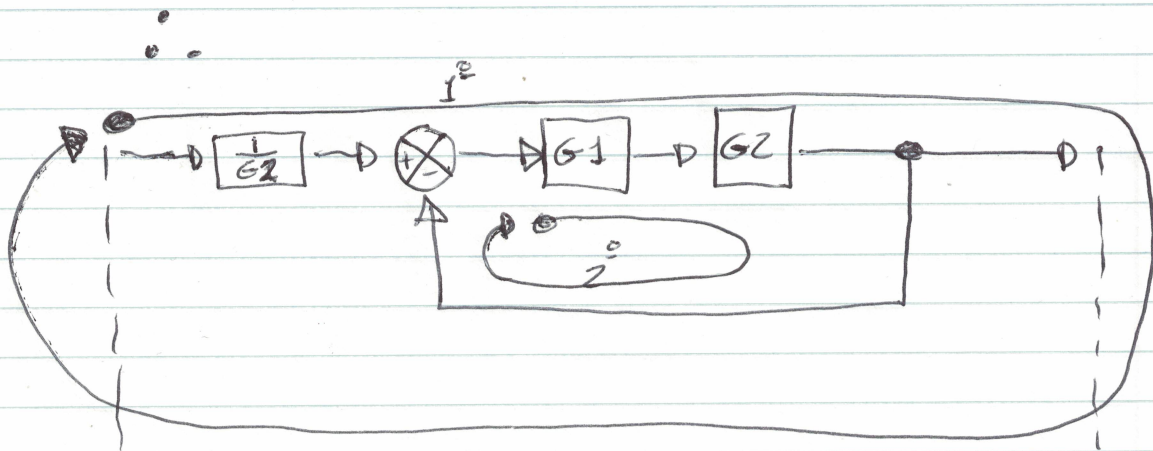
- All closed loop circuits must maintain the same equations after it has been modified

$$1° = G1$$
$$2° = G1\,G2$$

$$m \cdot a = \Sigma F$$

$$1° = \frac{1}{G2} \times G1 \times G2 = G1 \checkmark$$

$$2° = G1 \times G2 \checkmark$$