

Example Mech Sys

$$M1 = M2 = 1 \text{ Kg}$$

$$B1 = B2 = B3 = 3 \text{ Ns/m}$$

$$K1 = K2 = 2 \text{ N/m}$$

$$C1 = C2 = 1 \text{ F}$$

$$R1 = R2 = R3 = 1/3 \Omega$$

$$L1 = L2 = 1/2 \text{ H}$$

$$F2 = 5 \text{ N}$$

$$I2 = 5 \text{ A}$$

Want to know **Velocity 1&2**

Solve for **Voltage 1&2**

