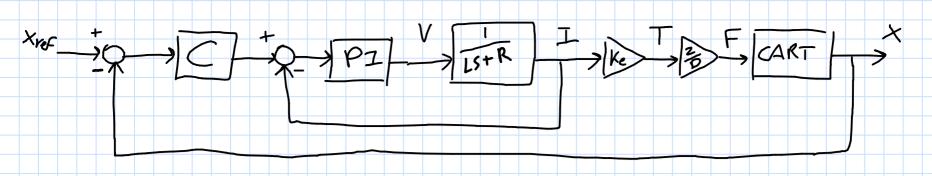
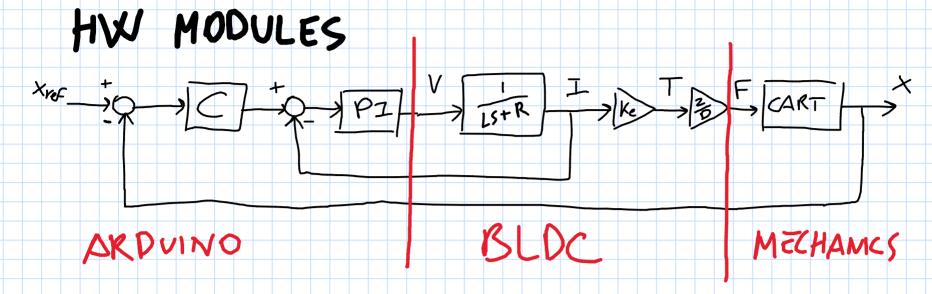
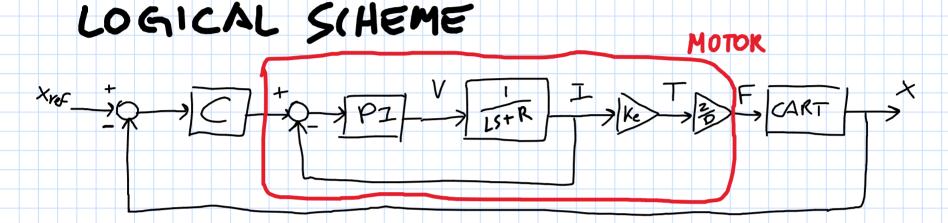
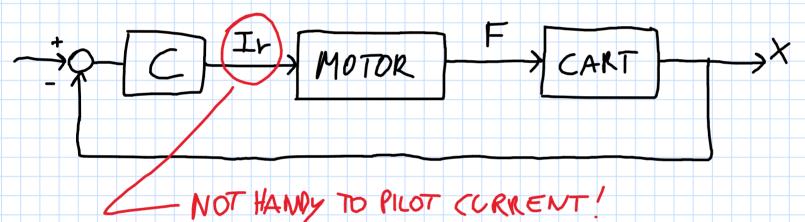
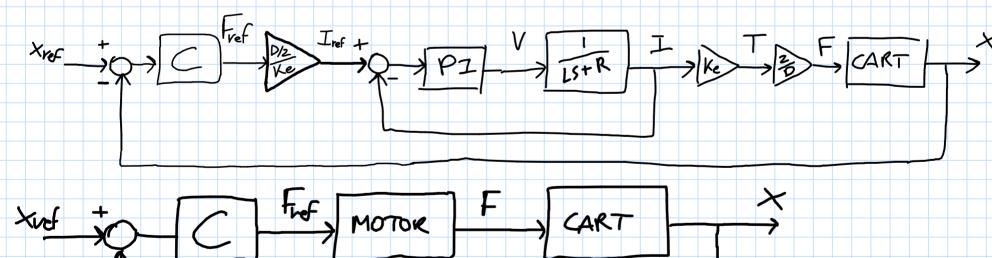
CONTROL SCHEME











MOTOR BLOCK

$$PI = K_{P} + \frac{K_{I}}{S} = \frac{K_{P}S + K_{I}}{S}$$

$$M(S) = \frac{K_{P}S + K_{I}}{S} = \frac{S(SL + R)}{S(SL + R) + K_{P}S + K_{I}}$$

$$M(S) = \frac{K_{P}S + K_{I}}{S(SL + R) + K_{P}S + K_{I}}$$

$$M(S) = \frac{K_{P}S + K_{I}}{LS^{2} + (K_{P} + R)S + K_{I}}$$