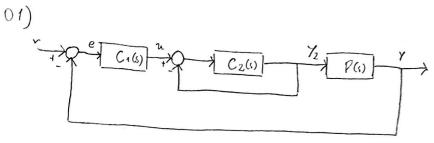
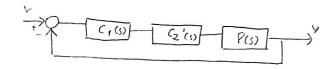
Koobago Ly 4 Miss

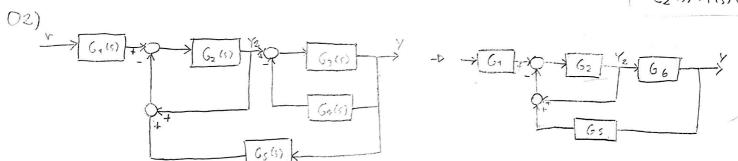




$$Y_{2}(s) = C_{2}(U(s) - Y_{2}(s)) + \frac{Y_{2}(s)}{U(s)} = C_{2}(s) = \frac{C_{2}(s)}{1 + C_{2}(s)}$$



$$V(s) = P(s) C_{2}'(s) C_{1}(s) (R(s) - Y(s)) + \frac{Y(t)}{R(s)} = \frac{P(s) C_{2}'(s) C_{1}(s)}{1 + P(s) C_{2}'(s) C_{1}(s)} = \frac{P(s) C_{2}(s) C_{1}(s)}{1 + C_{2}(s) + P(s) C_{2}(s)} C_{1}(s)$$



$$\frac{Y_{c(5)}}{Y_{c(5)}} = \frac{G_{3}(5)}{1 + G_{3}(5)G_{4}(5)} = G_{6}(5)$$

$$4y Y(s) = G_{6}(s) G_{2}(s) (G_{1}(s) R(s) - \frac{Y(s)}{G_{8}(s)} - Y(s) G_{5}) - y \frac{Y(s)}{R(s)} = \frac{G_{7}(s) G_{2}(s) G_{6}(s)}{1 + G_{7}(s) G_{7}(s) + G_{8}(s) G_{7}(s)}$$

$$L_{p} \frac{Y(s)}{R(s)} = \frac{G_{1}(s) G_{2}(s) G_{3}(s)}{1 + G_{1}(s) G_{2}(s) + G_{3}(s) G_{4}(s) + G_{1}(s) G_{2}(s) G_{3}(s)} + G_{1}(s) G_{2}(s) G_{3}(s)}{1 + G_{1}(s) G_{2}(s) + G_{3}(s) G_{4}(s) + G_{1}(s) G_{2}(s)}$$

Lo
$$V(s) = \frac{1}{5s} (T_{or}(s) - kV(s)) + \frac{V(s)}{T_{or}(s)} = \frac{1}{5s + k} = H(s)$$

40
$$u(s) + l(s) = \frac{1}{s} \frac{1}{J_s + h} = \frac{1}{ks} - \frac{J}{\kappa(J_s + k)} = \frac{1}{k} \frac{1}{s} - \frac{1}{k} \frac{1}{s + \frac{k}{3}}$$

4
$$\chi^{-1}[u_{(1)} H_{(1)}] = \frac{1}{k}u_{(1)} - \frac{1}{k}e^{-\frac{k^2}{5}}u_{(1)} \le 0,01 + 0,01 \times 1 - e^{-\frac{k^2}{5}} - \frac{1}{k} \times 100$$