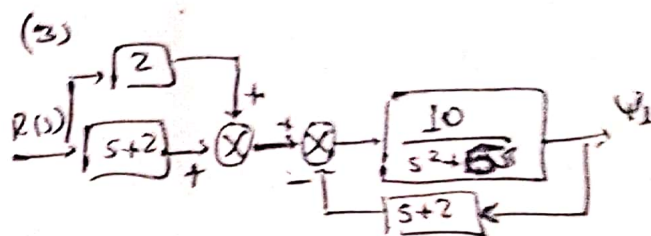
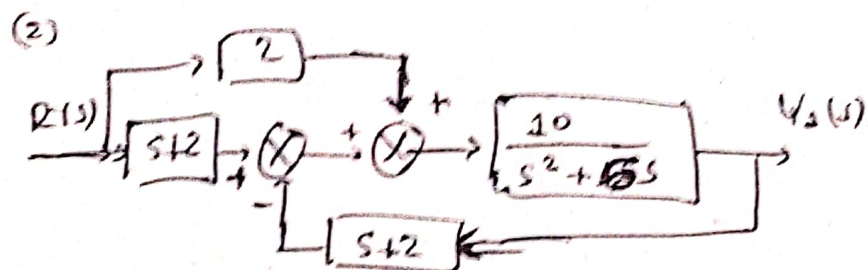
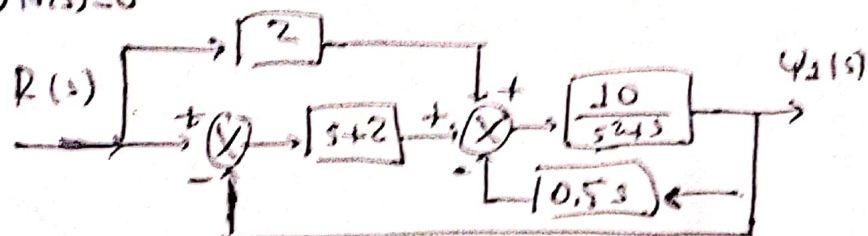


$$2) N(s) = 0$$

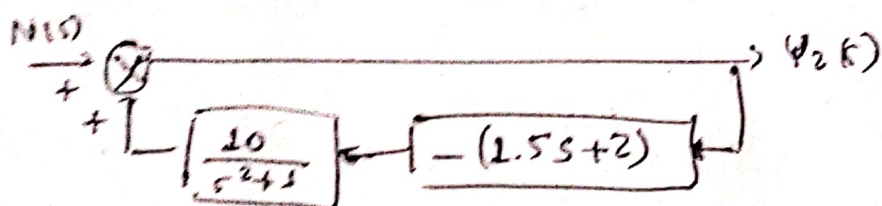
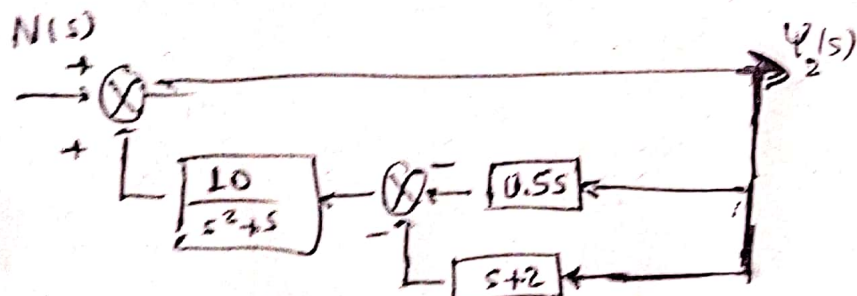


(4)

$$R(s) \rightarrow [s+4] \rightarrow \left[\frac{10}{s^2 + 16s + 20} \right] \rightarrow Y_1(s)$$

$$Y_1(s) = \frac{10(s+4)}{s^2 + 16s + 20} \cdot R(s)$$

$$R(s) = 0$$



$$N(s) \rightarrow \left[\frac{s^2+5}{s^2+5+10(1.5s+2)} \right] \rightarrow Y_2(s)$$

$$Y_2(s) = \frac{s^2+5}{s^2+16s+20} \cdot N(s)$$

$$Y(s) = Y_1(s) + Y_2(s)$$