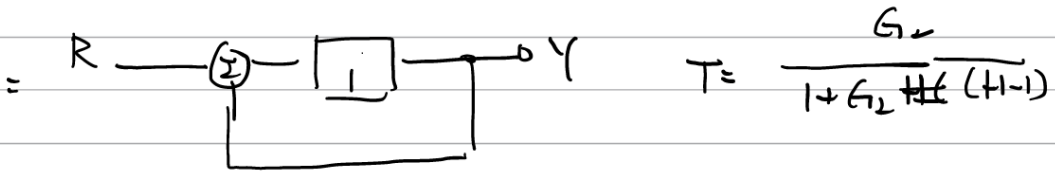
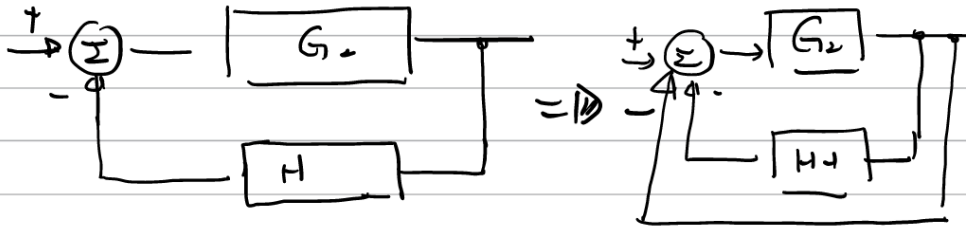


블록계응 Log Compensator 설계.

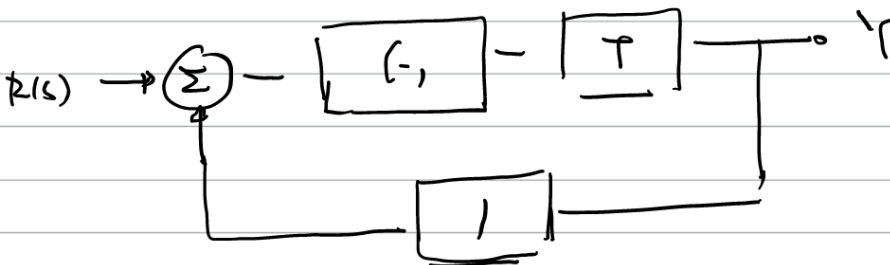


$$e_{ss} = \lim_{s \rightarrow 0} s \frac{1}{s} \frac{1}{1 + T(s)}$$

$$T(s) \Big|_{s=0} = \frac{1}{1 + 9} = 0.1$$

$$e_{ss} = \frac{1}{1.1}$$

Compensator 설계 $e_{ss} \rightarrow \frac{1}{2.2}$



$$e_{ss} = \lim_{s \rightarrow 0} s \frac{1}{s} \frac{1}{1 + G_1 T} = \frac{1}{2.2}$$

$$\frac{G_1 \times 0.1 + 1}{2.2}$$

$$0.1 G_1 + 1 = 2.2 \quad 0.1 G_1 = 1.2 \quad G_1 = 12$$

$$G_1 = \frac{s+2}{s+1} \quad \text{공가 } p \text{ 보다 } 12 \text{ 배 대야 함}$$

$$p = 0.1 \quad z = 1.2$$

유래 시스템으로 다시 풀면

