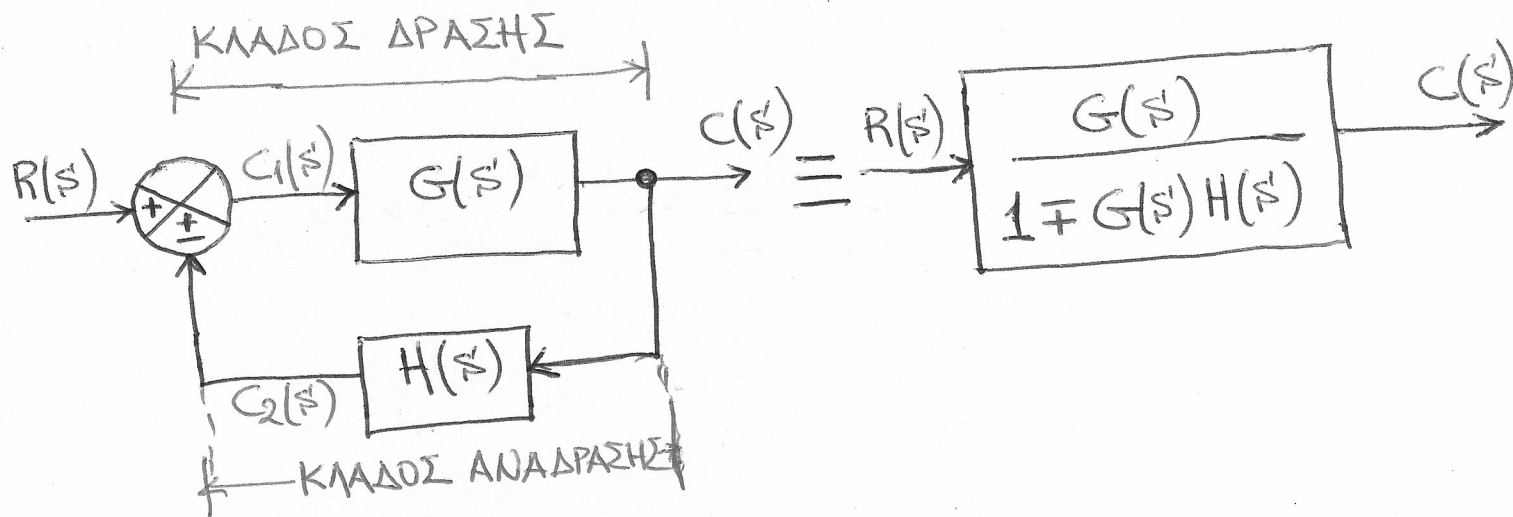


ΛΥΣΗ

$$C_1(s) = R(s) \pm C_2(s) \quad (1)$$

$$C_2(s) = C(s) H(s) \quad (2)$$

$$C(s) = C_1(s) \cdot G(s) \quad (3)$$

$$(3) \xrightarrow{(1)} C(s) = G(s) [R(s) \pm C_2(s)] \Rightarrow$$

$$\Rightarrow C(s) = G(s) [R(s) \pm H(s) C(s)] \Rightarrow$$

$$\Rightarrow C(s) = G(s) \cdot R(s) \pm G(s) H(s) C(s) \Rightarrow$$

$$\Rightarrow C(s) \mp G(s) H(s) C(s) = G(s) \cdot R(s) \Rightarrow$$

$$\Rightarrow C(s) [1 \mp G(s) H(s)] = R(s) \cdot G(s) \Rightarrow$$

$$\Rightarrow C(s) = R(s) \cdot \frac{G(s)}{1 \mp G(s) H(s)}$$

$$C(s) = R(s) \frac{G(s)}{1 \mp G(s) H(s)}$$