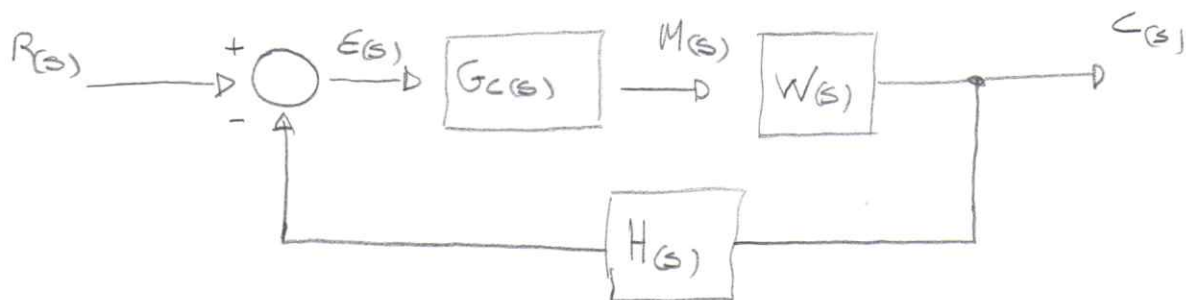— // —

8. $W_{(s)} = \dfrac{1}{s(s+1)}$

controlador tipo $m_{(t)} = 2 \cdot K \cdot e_{(t)} + K \dfrac{d}{dt} e_{(t)}$
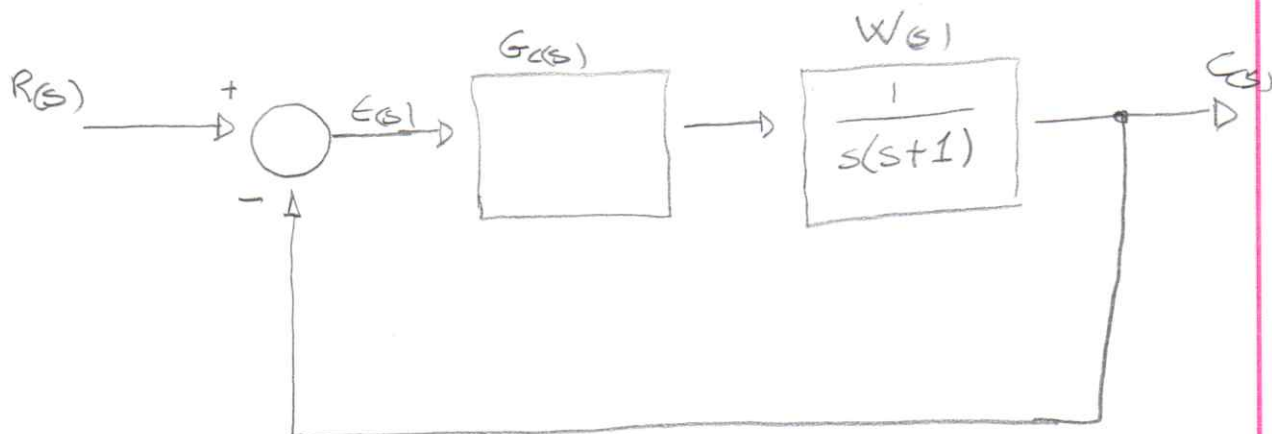

a)

    P.D

b)

$\dfrac{M_{(s)}}{E_{(s)}} = G_{c(s)} \iff M_{(s)} = G_{c(s)} \cdot E_{(s)}$

$m_{(t)} = 2K \cdot e_{(t)} + K \dfrac{d}{dt} e_{(t)}$

$\mathcal{L}$

$M_{(s)} = 2K E_{(s)} + sK E_{(s)}$

$\implies \dfrac{M_{(s)}}{E_{(s)}} = K(s+2)$