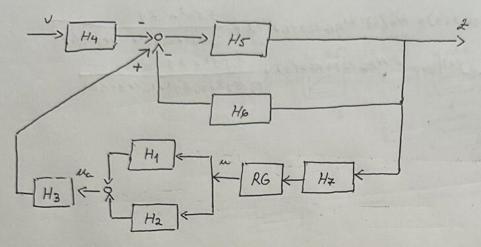


Itabilim Tejul Consciencion nº Grupam:

$$=) H_{56}(s) = \frac{H_{5}(s)}{1 + H_{5}(s) \cdot H_{6}(s)} = \frac{\frac{1}{s \cdot 0.3}}{1 + \frac{1}{s \cdot 0.3} \cdot 1} = \frac{1}{s \cdot 0.3} \cdot \frac{1 \cdot 0.3}{1 + s \cdot 0.3} = \frac{1}{1 + s \cdot 0.3}$$

Perton d) H2-2-(1) |w=0=? reclosionem ochera:



Perturbotion vo intra cu sumul ,,-" => iesa cu sumul ,,-"
Ytaleibin Tijul Consciención à Gruyam:

Hy on H2 - gonelel

H12 cm H3 -> serie

H123 cu H7 -> serie

H1237 on HRG > serie

$$= \frac{1,66}{5+1^2.0,5} + \frac{0,83}{1+5.0,5} = \frac{0,8385+1,66}{0,55^2+5}$$

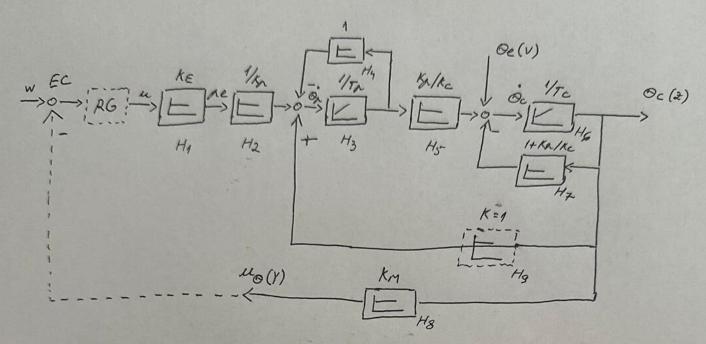
H56 Cu HRG 1237 -> reachi "+"

=>
$$H_{RG}(23567(0)) = \frac{H_{SG}(0)}{1 - H_{SG}(0) \cdot H_{RG}(237(0))} = \frac{1}{(1+0,36)(0,50^2+0)} = \frac{1}{(1+0,36)(0,50^2+0) - 0,836 - 1/4}$$

H4 cu HRG 123567 -> serie

=>
$$H_{RG} 1234567(3) = H_{4}(3) \cdot H_{RG} 123567(3) = \frac{3.50^{2} + 75}{0.53^{3} + 0.80^{2} + 0.755 - 1.66}$$

=> $d)H_{2}-v^{(3)}|_{w=0} = H_{RG} 1234567(3) = \frac{3.50^{2} + 75}{0.53^{3} + 0.85^{2} + 0.755 - 1.66}$



Proviction Regulator folosind formula:

$$\begin{aligned}
& \text{Din Tema 2} => H_{0-u}(1)|_{\partial e=0} = H_{123456798}(1) = \frac{1.6}{5(605+1)^{2}-4} \\
&= \frac{1.6}{180005^{2}+6005+1} = \frac{1.6}{5(605+1-2)(605+1+2)} \\
&= \frac{1.6}{5} \cdot \frac{1}{(605-1)(605+3)} = \frac{1.6}{5} \cdot \frac{1}{3}(-1) \cdot \frac{1}{(205+1)(-605+1)} \\
&= \frac{-0.1}{(1+205)(1-605)} = \frac{1.6}{(1+5.71)(1+5.72)} \\
&=> h_{1} = \frac{1}{2\cdot(-0.1)(-60)} = \frac{1}{12} = 0.083 \\
&=> H_{2} = \frac{0.083}{5}(1+5.20) = \frac{1.665+0.083}{5}
\end{aligned}$$