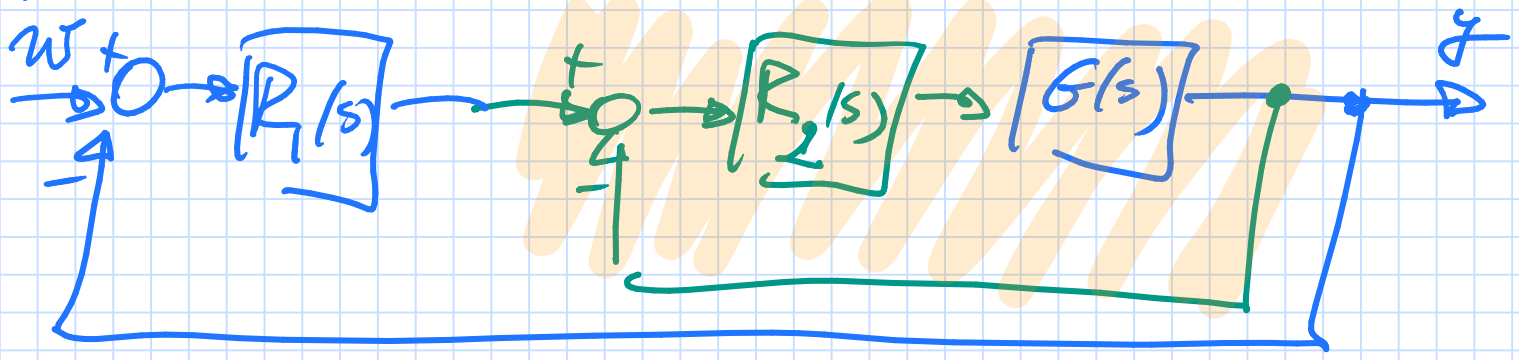
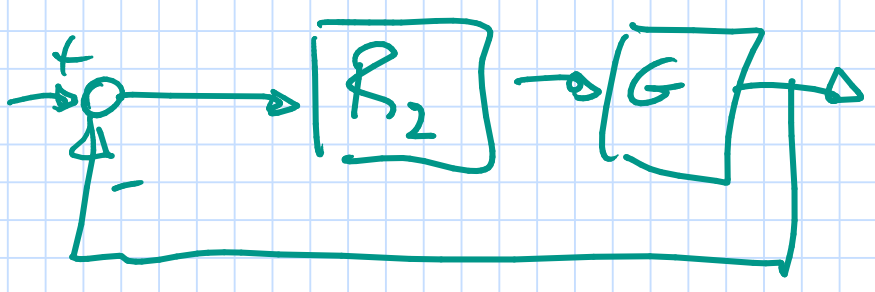


Strategie a doppio anello



$F_2(s)$ as. obble



$R_2(s) = \mu$

$$F_2(s) = \frac{R_2(s)G(s)}{1 + R_2(s)G(s)}$$

$(1-s)(1+10s) + \mu(1+2s) = \tilde{P}_{F_2}(s)$

$-10s^2 + (3+2\mu)s + \mu + 1 = \tilde{P}_{F_2}$

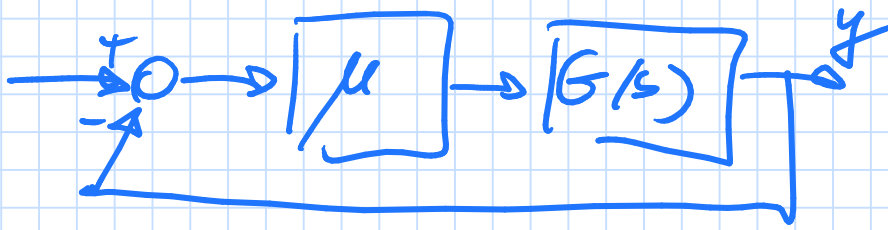
2	-10	μ
1	$3+2\mu$	
0	$\mu+1$	

$\begin{cases} 3+2\mu < 0 \\ \mu < 0 \\ \mu+1 < 0 \end{cases}$

la soluzione
ne
si muove
in avanti
 $\mu < -1$

$\mu < -\frac{3}{2}$

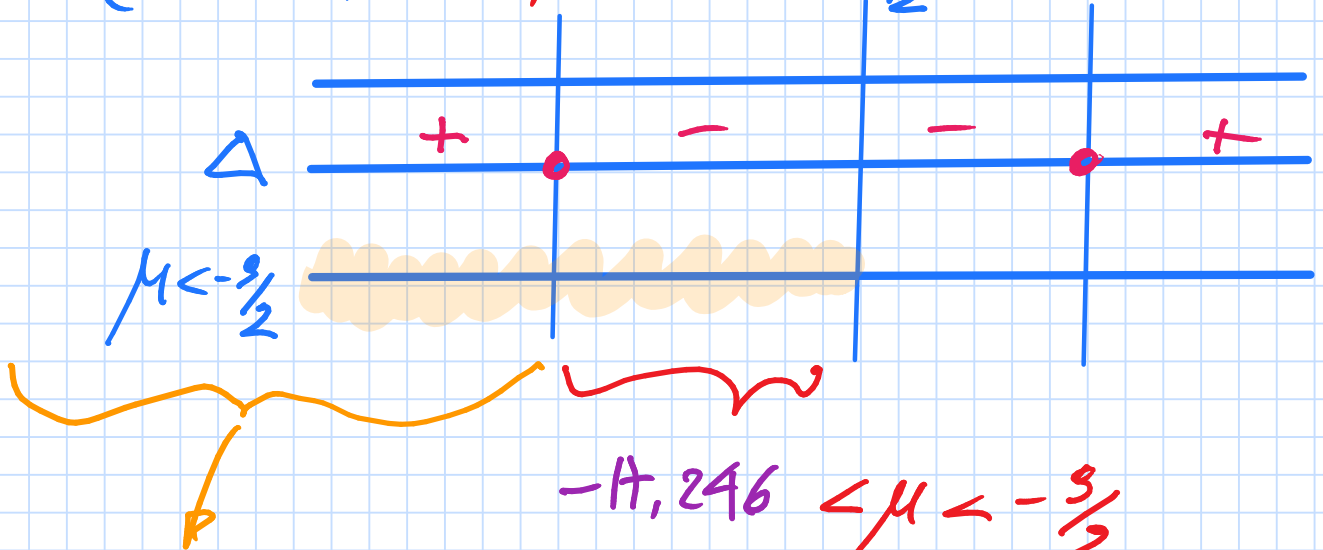
Versione corretta



$$\tilde{P}_{F_2}(s) = 10s^2 - (9+2\mu)s - \mu - 1 = 0$$

$$\Delta = (9+2\mu)^2 + 40(\mu+1) = 9\mu^2 + 16\mu + 121$$

$$(\mu < -\frac{9}{2}) \quad -17,246 \quad -\frac{3}{2} \quad -1,754$$



$\mu < -17,246$
2 poli reali distinti

$-17,246 < \mu < -\frac{3}{2}$
2 poli compl. coniugati