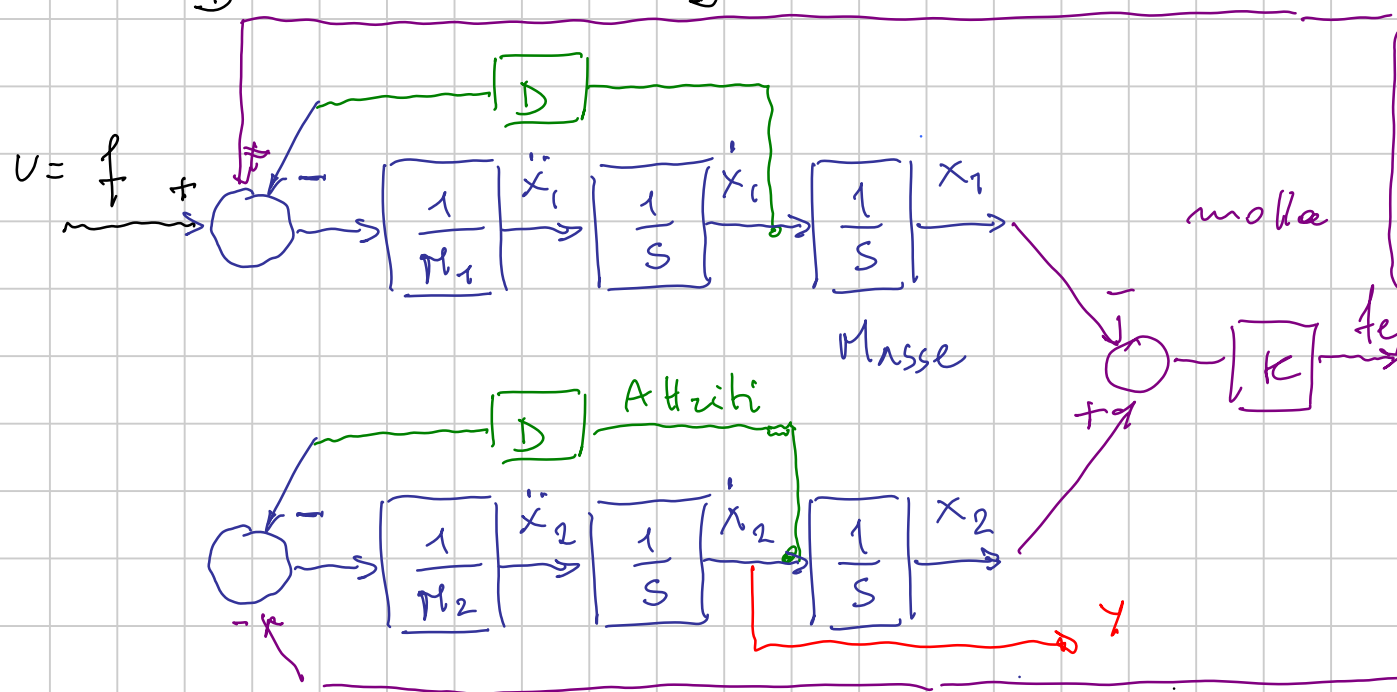
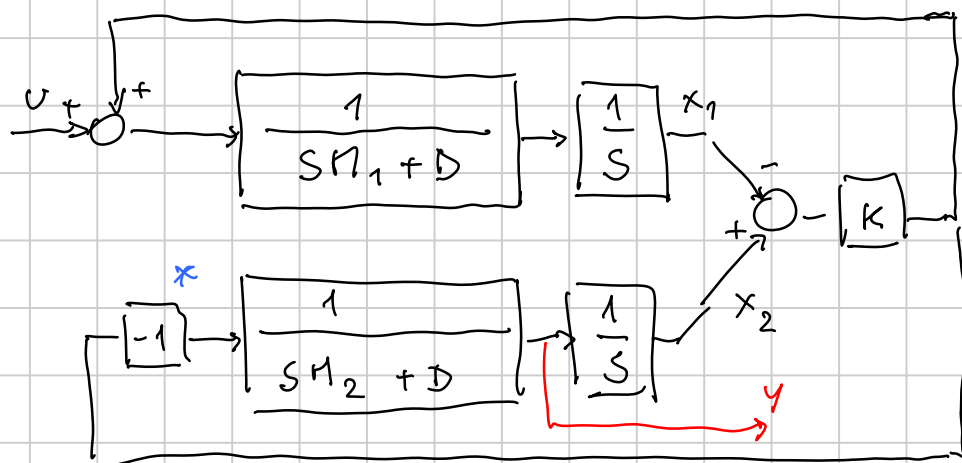


Determinare lo schema a blocchi  
e la fdt tra  
 $u=f$  e  $y=\dot{x}_2$

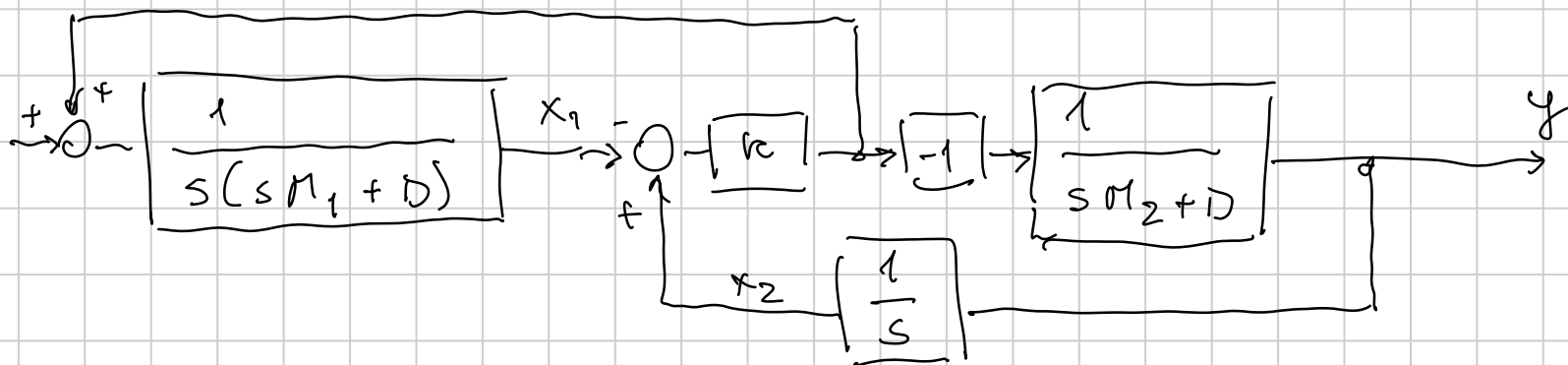


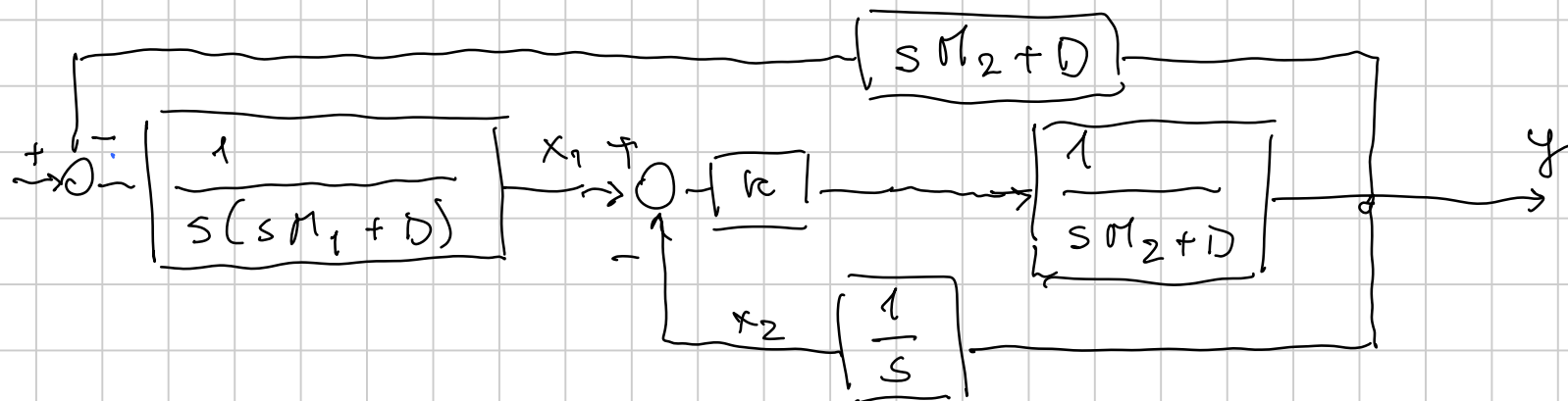
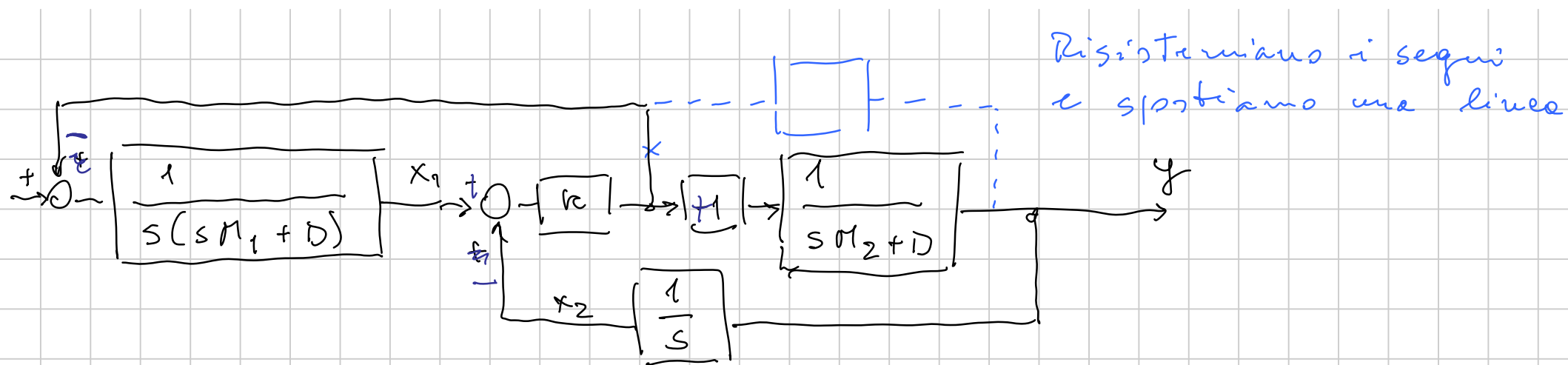
$$\frac{1}{(sM_1 + D)s}$$



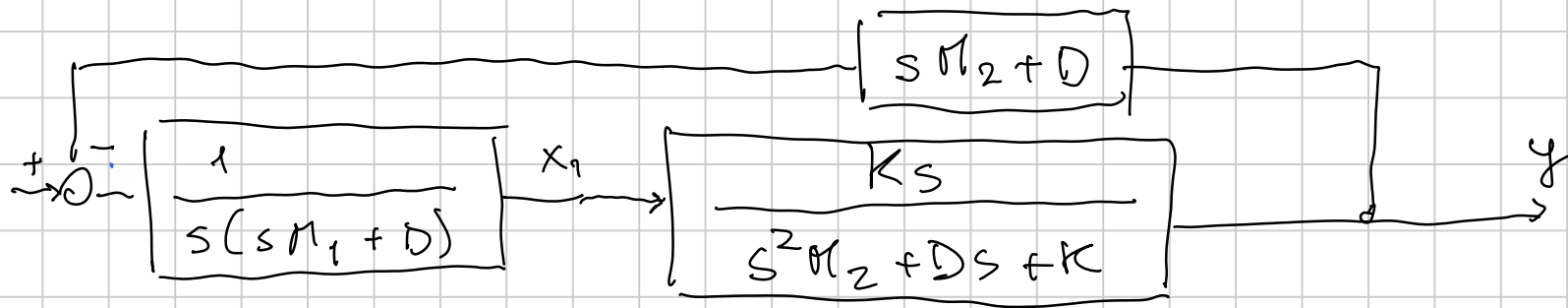
\* il nodo di somma non serve più  
non rimane il segno -

ridisegnandolo evidenziando la  
catena diretta





Scioquiamo l'anello interno



e finalmente quello esterno

$$\frac{V_2(s)}{F(s)} = \frac{Ks}{(s^2 M_1 + sD)(s^2 M_2 + sD + K) + sK(sM_2 + D)}$$

$$= \frac{K}{s^3 M_1 M_2 + s^2 D(M_1 + M_2) + s[K(M_1 + M_2) + D^2] + 2DK}$$

la semplificazione  
elimina la  
s al numeratore

