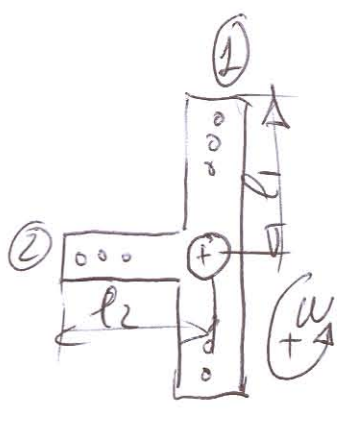


(F1)

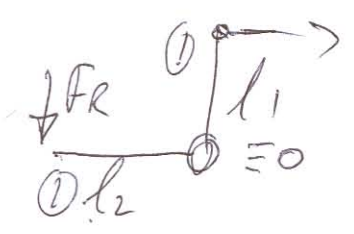


$x_1 = \text{pos } 1$ $\dot{x}_1 = \text{Vel. } 1$
 $x_2 = \text{pos } 2$ $\dot{x}_2 = \text{Vel } 2$

$$\dot{x}_2 = \frac{l_2}{l_1} \dot{x}_1$$

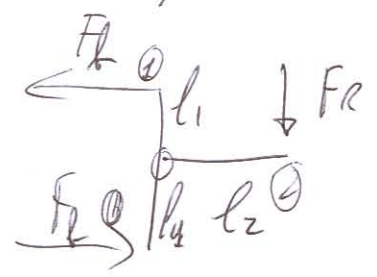
(F2)

a) bingolo F_a



eq $\sum M = 0$
 $F_a l_1 - F_R l_2 = 0$
 $F_a = F_R \frac{l_2}{l_1}$

b) Push/Pull



eq $\sum M = 0$
 $F_a l_1 + F_R l_2 = 0$
 $F_a = -\frac{l_2}{l_1} F_R$

Se $F_R = \text{constante} \Rightarrow \boxed{F_a = 2 F_b}$

"Potencia" $F \cdot v$
 $\dot{x} = \text{const}$
 $\cos a$ $P_a = F_a \cdot \dot{x}_1$
 $\cos b$ $P_b = F_b \cdot \dot{x}_1 + F_b \dot{x}_1$
 $= 2 F_b \dot{x}_1 \Rightarrow F_a \dot{x}_1$

$$\boxed{P_a = P_b}$$