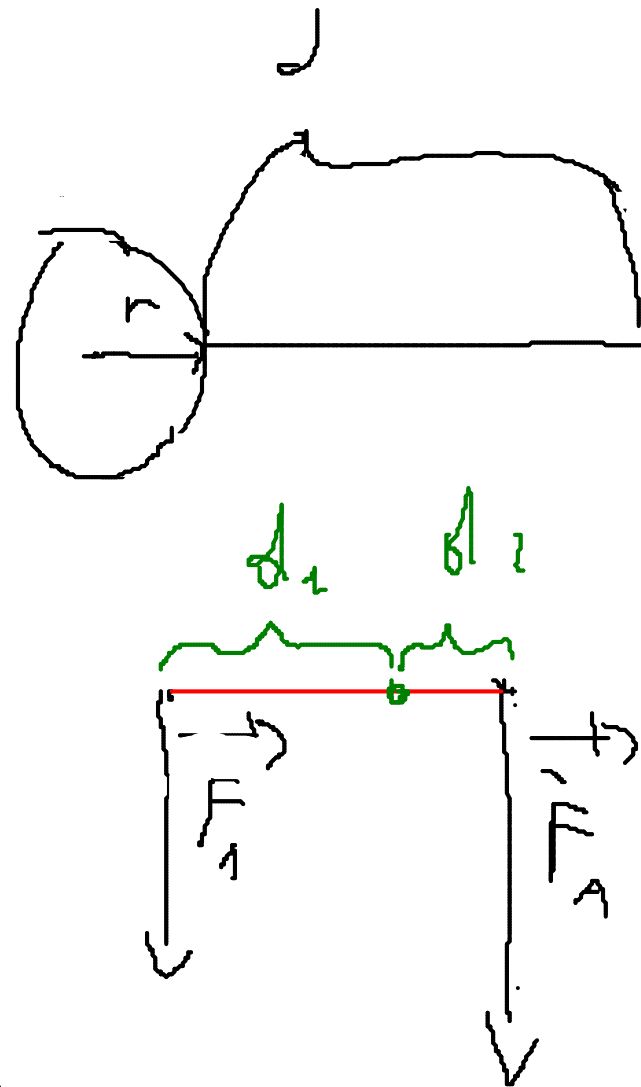


$$d = 15,0 \text{ cm}$$

$$r = 2,0 \text{ cm}$$

$$m_A = 11 \text{ g}$$

$$m_S = 32 \text{ g}$$



$$d_S = l_S + l_A = 7,5 \text{ cm} + 2,0 \text{ cm} = 9,5 \text{ cm}$$

~

$$d_1 = ? \quad d = 4,5 \text{ cm}$$

$$d_2 = ?$$

$$d_1 = x$$

$$d_2 = d - x$$

$$F_1 d_1 = F_2 d_2$$

$$F_1 x = F_2 (d - x)$$

$$F_1 x = F_2 d - F_2 x$$

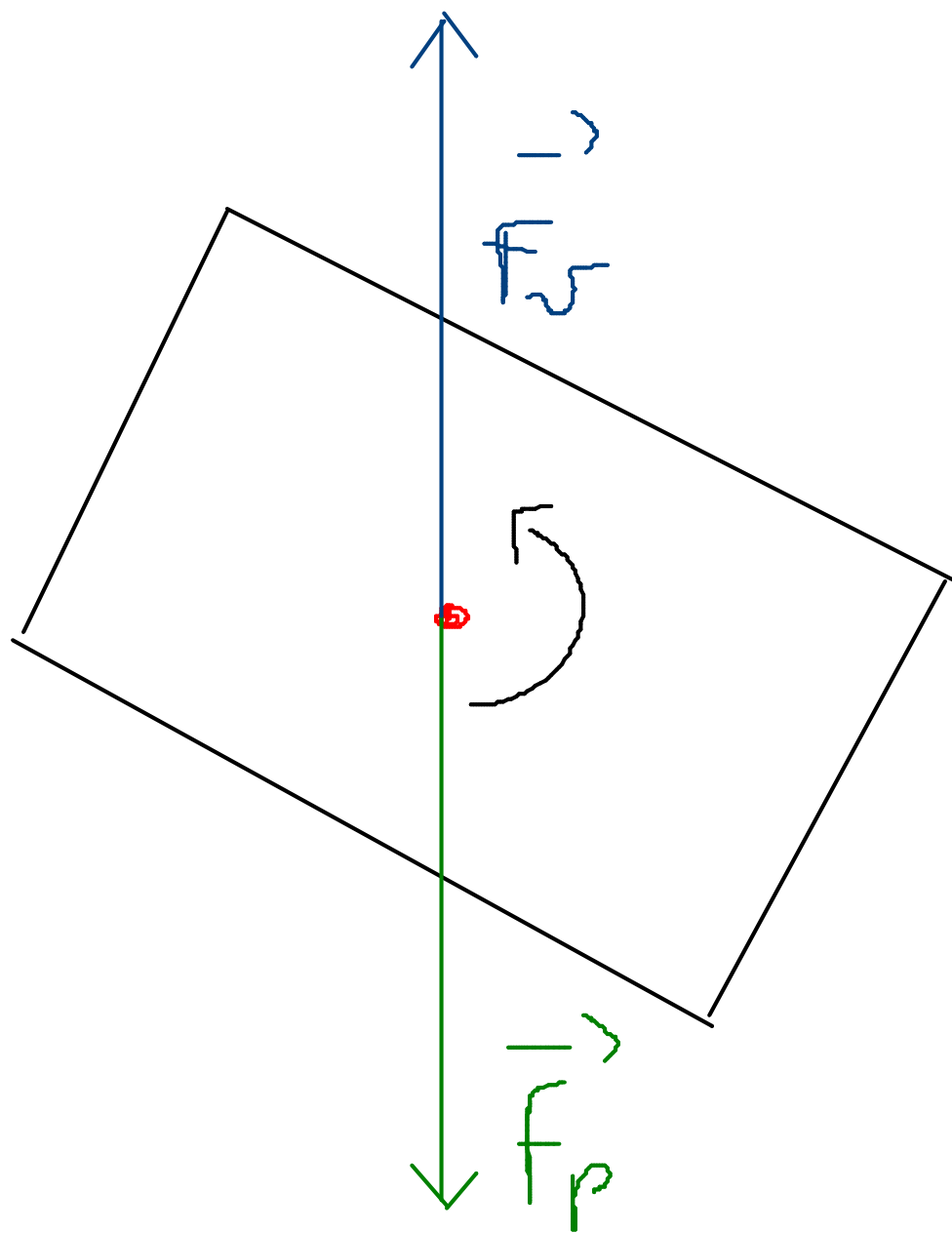
$$F_1 x + F_2 x = F_2 d \Rightarrow x (F_1 + F_2) = F_2 d$$

$$x = d \frac{F_2}{F_1 + F_2}$$

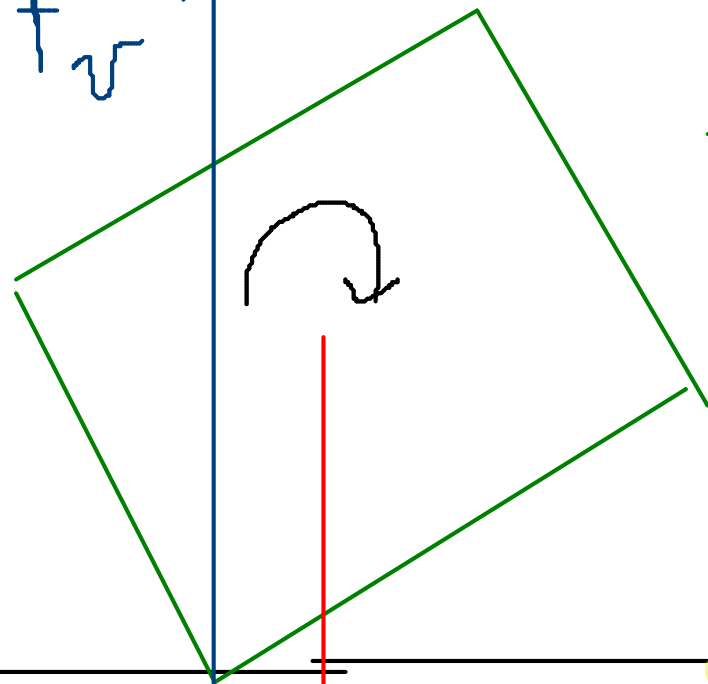
$$d_1 = x = d \frac{F_2}{F_1 + F_2} = d \frac{m_2 \cancel{g}}{m_1 \cancel{g} + m_2 \cancel{g}} =$$

$$= d \frac{m_2 \cancel{g}}{\cancel{g}(m_1 + m_2)} = d \frac{m_2}{m_1 + m_2}$$

$$= 9,5 \text{ cm} \frac{32}{11 + 32} = 9,5 \text{ cm} \frac{32}{43} \approx 7,1 \text{ cm}$$

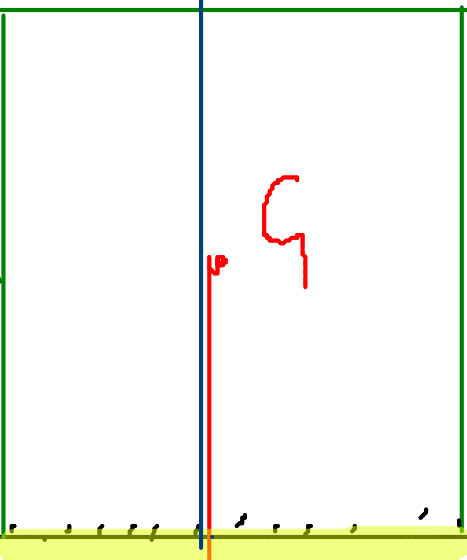


\rightarrow
 F_v



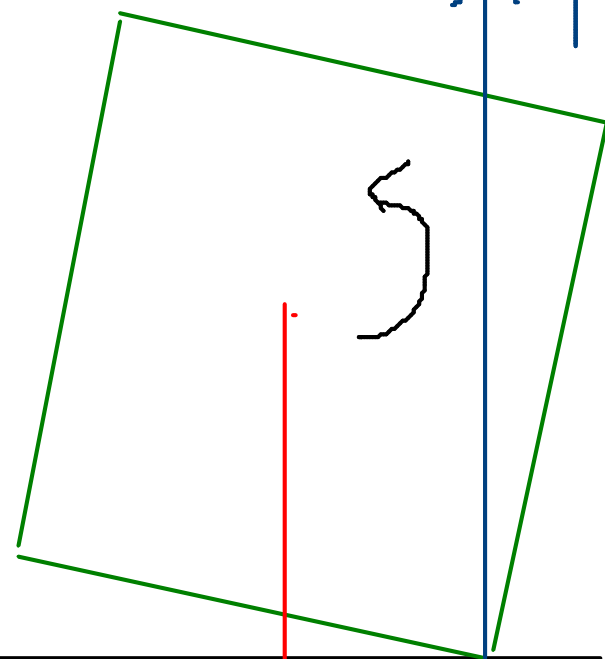
\rightarrow
 F_p

\rightarrow
 F_v

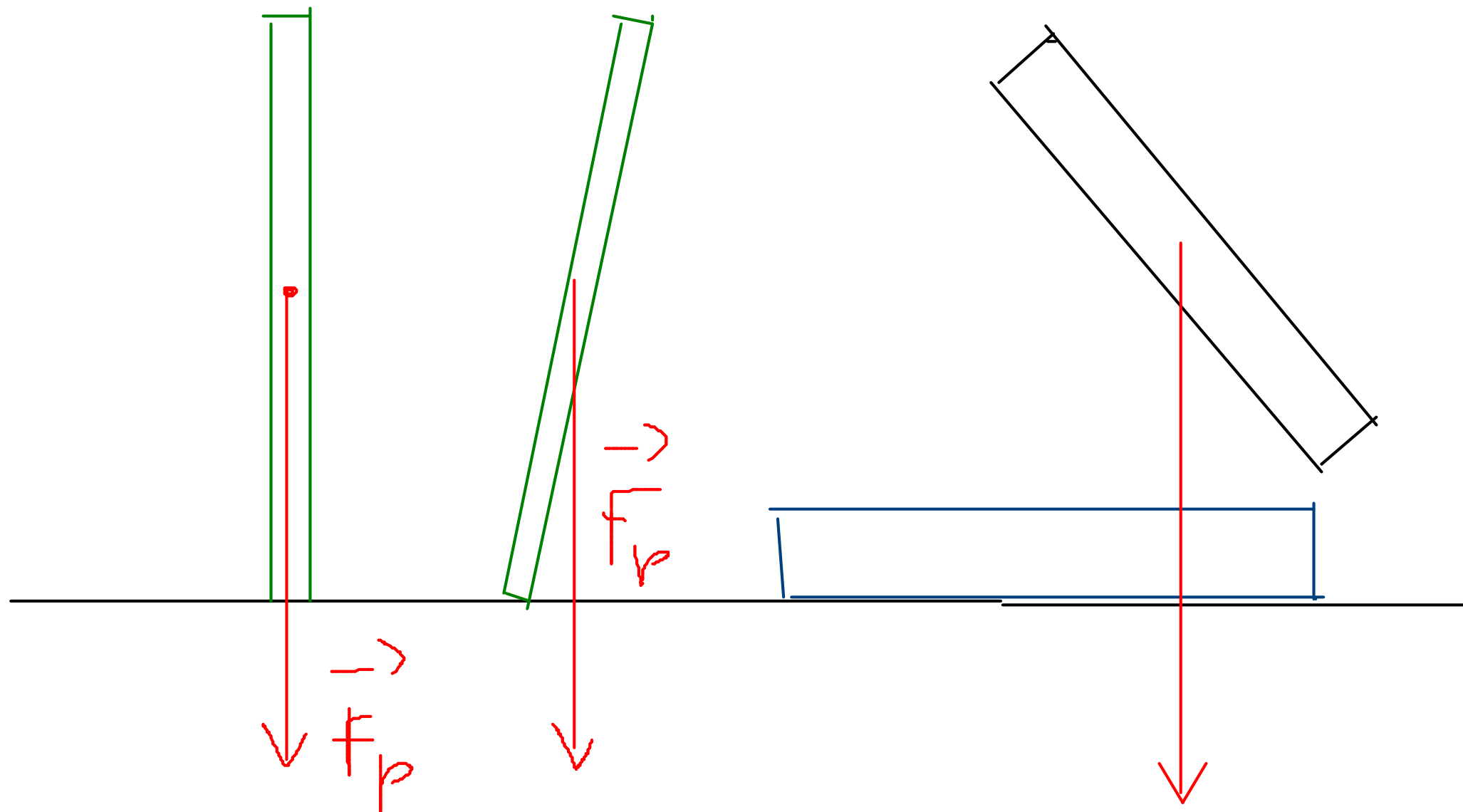


\rightarrow
 F_p

\rightarrow
 F_v



\rightarrow
 F_p



Furth

pay 135 N 5
136 N 6,7

Teoria pay 123