



Bloc A:

Selon x:  $T_A + F_f - f = m_A a$

$$T_A = m_A a + f - F_f$$

Selon y:  $N - P_A = 0$

$$N = P_A$$

Bloc B:

Selon x: /

Selon y:  $T_B - P_B = m_B a$

$$T_B = m_B a + P_B$$

$$T_A = T_B = T$$

$$m_A a + f - F_f = m_B a + P_B$$

$$m_A a + f - \mu N = m_B a + P_B$$

$$m_A a + f - \mu P_A = m_B a + P_B$$

$$f = m_B a + P_B - m_A a + \mu P_A$$

$$f = 20 \cdot 0,6 + 20 \cdot 9,8 - 25 \cdot 0,6 + 0,2 \cdot 25 \cdot 9,81$$

$$f = 12 + 196 - 15 + 49$$

$$f = 242 \text{ N}$$

$$T = T = m_B a + P_B$$

$$T = 20 \cdot 0,6 + 20 \cdot 9,8$$

$$T = 208 \text{ N}$$