

$$A: \int TA = mAQA$$

$$B: \int -TB + F = mBQB$$

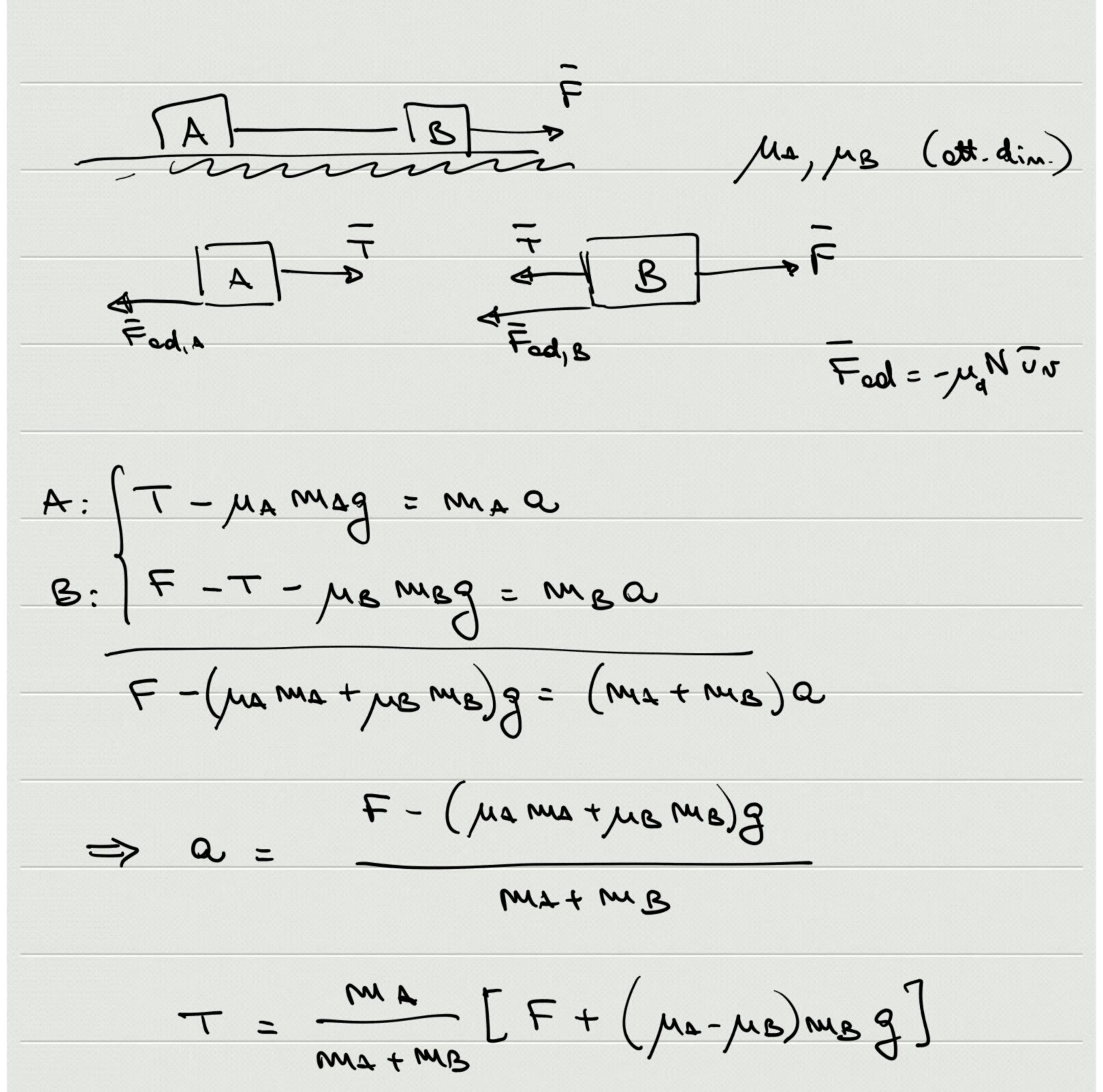
$$QA = QB = Q$$

$$T = mAQ$$

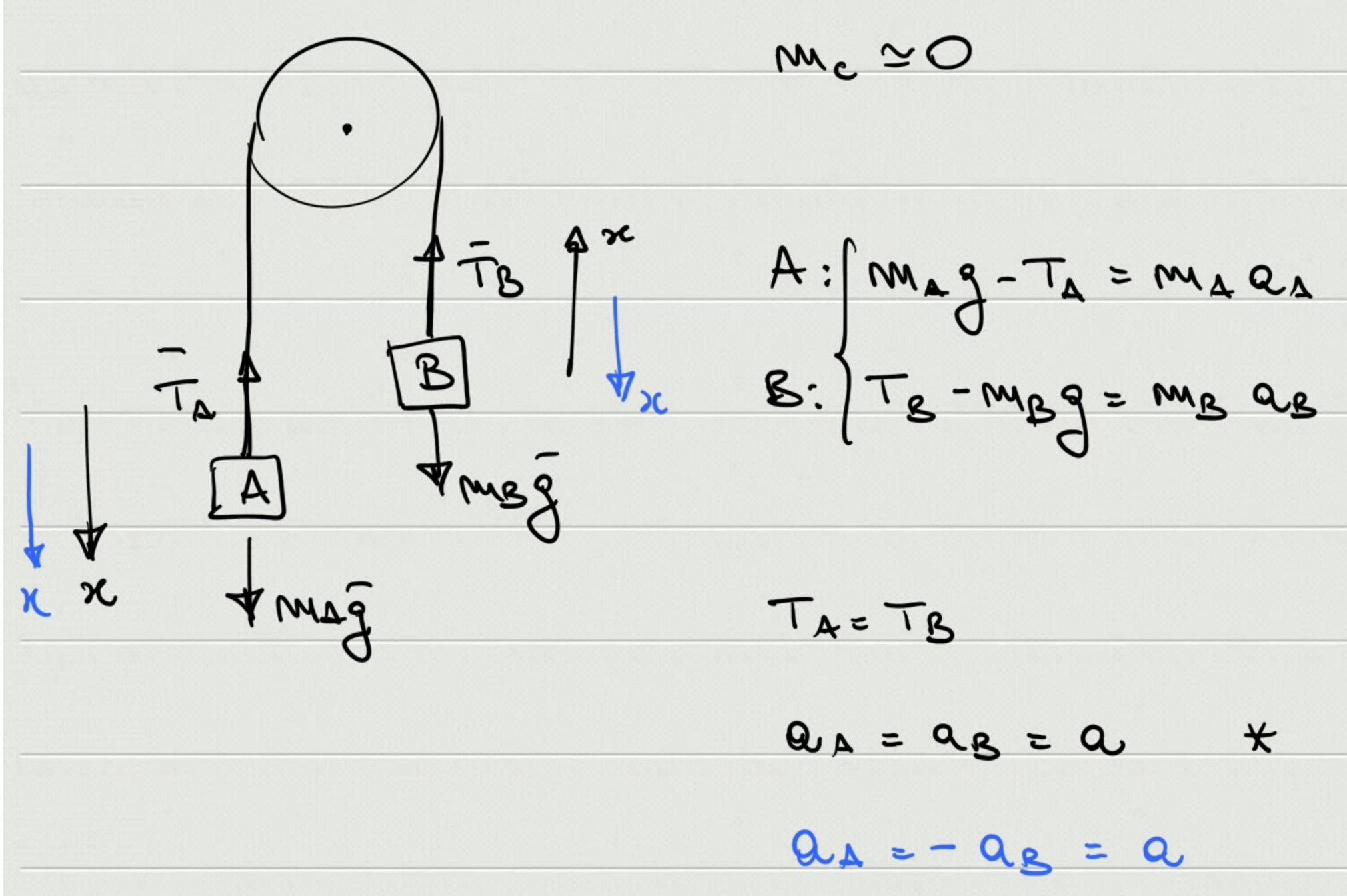
$$T = mAQ$$

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$$F = (m_0 + m_B) \alpha \implies \alpha = \frac{1}{m_A + m_B}$$



Macchina di Atwood



$$\begin{cases} m_{2}q - T = m_{2}\alpha \\ T - m_{3}q = m_{3}\alpha \end{cases} \Rightarrow \begin{cases} \alpha = \frac{m_{4} - m_{3}}{m_{4} + m_{3}} \end{cases}$$