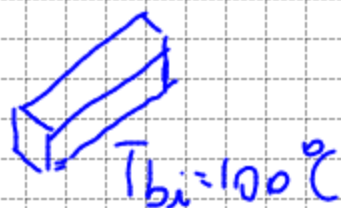
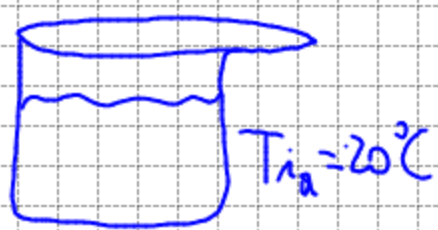
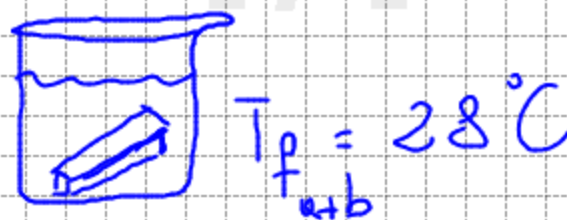


IL CALORE

$$Q = mc\Delta T$$

$$\Delta T = T_f - T_i$$

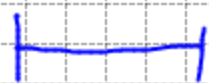
acqua $T_{ia} = 20^\circ\text{C}$
bloccetto $T_{ib} = 100^\circ\text{C}$



$$Q_b = m_b c_b (T_{f_{a+b}} - T_{ib}) < 0 \text{ cede}$$

$$Q_a = m_a c_a (T_{f_{a+b}} - T_{ia}) > 0 \text{ acquista}$$

$$|Q_a| = |Q_b|$$



① m_1, t_1, c_1

② m_2, t_2, c_2

$t_f =$ Temperatura di equilibrio

$$m_1 c_1 (t_f - t_1) = m_2 c_2 (t_2 - t_f)$$

$$\Delta E = 0$$

$$Q = mc\Delta T$$

$$\Delta T = T_f - T_i$$

$$Q_a + Q_b = 0$$

$$m_a c_a (\Delta T_a) + m_b c_b (\Delta T_b) = 0$$

$$m_a c_a (T_f - T_{ia}) + m_b c_b (T_f - T_{ib}) = 0$$