

str. 137 / úloha 743

$$Q = L_{\Delta} = ? \text{ [J]}$$

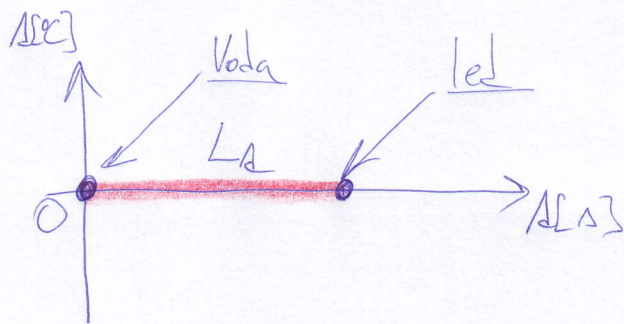
$$t_0 = 0^{\circ}\text{C}$$

$$m_{\text{v}} = m_{\text{l}} = 125 \text{ g} = 0,125 \text{ kg}$$

$$t_{\Delta} = 0^{\circ}\text{C}$$

$$l_{\Delta} = 334 \frac{\text{kJ}}{\text{kg}} = 334\,000 \frac{\text{J}}{\text{kg}}$$

Náčrt:



$$L_{\Delta} = m_{\text{v}} \cdot l_{\Delta}$$

$$L_{\Delta} = 0,125 \cdot 334\,000$$

$$L_{\Delta} = 41\,750 \text{ J} \approx \underline{\underline{42 \text{ kJ}}}$$

Voda dodá svému okoli 42 kJ tepla.