

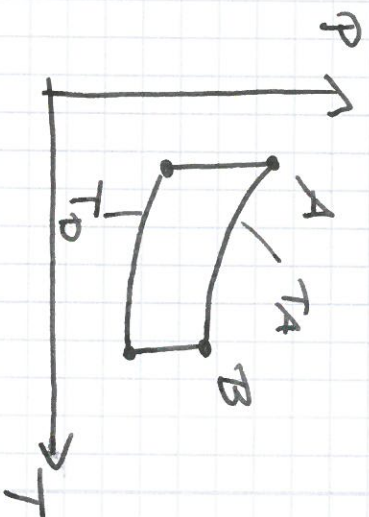
Tutorium

$$\Delta S_I = \Delta S_{II} = 0 \quad ?$$

T_A, T_D

isoth: $\Delta S = \frac{Q}{T}$

isoch: $\Delta S = -m \cdot c \cdot \ln\left(\frac{T_1}{T_2}\right)$



$$\Delta S_I = \frac{Q}{T_A} - m \cdot c \cdot \ln\left(\frac{T_A}{T_D}\right) = 0$$

$$0 = \frac{Q}{T_A} - m \cdot c \cdot \ln(T_A) + \ln(T_D) \cdot m \cdot c$$

Wenn $y = e^x$ ist $x = \ln(y)$