Exercise 6-2 Tuesday, 5 May 2020 a) $ds = \frac{1}{T} dQ = \frac{c_{pm}}{T} dT = \frac{4.16.03}{1.16.03} \int \frac{1}{T} dT = \frac{4.46}{1.16} \frac{1}{1.16} dT = \frac{4.46}{1.16} \frac{1}{1.16} \frac{1}{1.16} dT = \frac{4.46}{1.16} \frac{1}{1.16} \frac{1$ $ds = \frac{1}{7} dQ = \frac{1}{273} dQ = \frac{1}{273} dQ = \frac{1}{273} mQ$ $A5 = \frac{1}{273.15} \cdot 1 \cdot 3.34 \cdot 10^{5} = 1222 \cdot 0.000 \text{ K}^{-1}$ watch out: dQ= ml for going to higher 'place dQ= mx-l for going to 'lover 'place $dS = \frac{dQ}{T} = \frac{1}{373.15} m (-l)$ $\Delta 5 = \frac{1}{373.15} \times 1 \times -2.26 \times 10^6 = -6056.5 \text{ K}^{-1}$