$$\begin{cases} \frac{5Q}{7} < 0 \\ \frac{5Q}{7} < 0 \end{cases} \Rightarrow \begin{cases} \frac{5Q}{7} + \frac{1}{2} & \frac{3Q}{7} \\ \frac{7}{7} & \frac{11}{2} & \frac{3Q}{7} \end{cases}$$

$$\Rightarrow \begin{cases} \frac{5Q}{7} + \frac{1}{2} & \frac{5Q}{7} + \frac{1}{2} & \frac{3Q}{7} \\ \frac{7}{7} & \frac{11}{2} & \frac{3Q}{7} & \frac{3Q}{7} \end{cases}$$

$$\Rightarrow \begin{cases} \frac{5Q}{7} + \frac{1}{2} & \frac{3Q}{7} + \frac{3Q}{7} & \frac{3Q}{7} & \frac{3Q}{7} \\ \frac{7}{7} & \frac{3Q}{7} & \frac{3Q}{7} & \frac{3Q}{7} & \frac{3Q}{7} & \frac{3Q}{7} \\ \frac{3Q}{7} & \frac$$

$$\Rightarrow \int_{A}^{B} \left(\frac{\delta Q}{T}\right)_{\overline{L}} = \int_{A}^{B} \left(\frac{\delta Q}{T}\right)_{\overline{L}} = \int_{A}^{B} \left(\frac{\delta Q}{T}\right)_{\overline{L}} = \dots$$

$$\int_{A}^{8} \left(\frac{5Q}{7} \right)_{NW} = 5_{8} - 5_{A} = \Delta S$$

$$\begin{cases}
\frac{8}{7} & \frac{8}{7} & \frac{8}{7} \\
\frac{8}{7} & \frac{8}{7} & \frac{8}{7} \\
\frac{8}{7} & \frac{7}{7} & \frac{8}{7} & \frac{8}{7} \\
\frac{8}{7} & \frac{7}{7} & \frac{1}{7} & \frac{8}{7} & \frac{1}{7} & \frac$$

$$\Rightarrow \Delta S = S_{B} - S_{A} = \int_{A}^{B} \left(\frac{SQ}{7}\right)_{W} > \int_{A}^{B} \left(\frac{SQ}{7}\right)_{inver.}$$

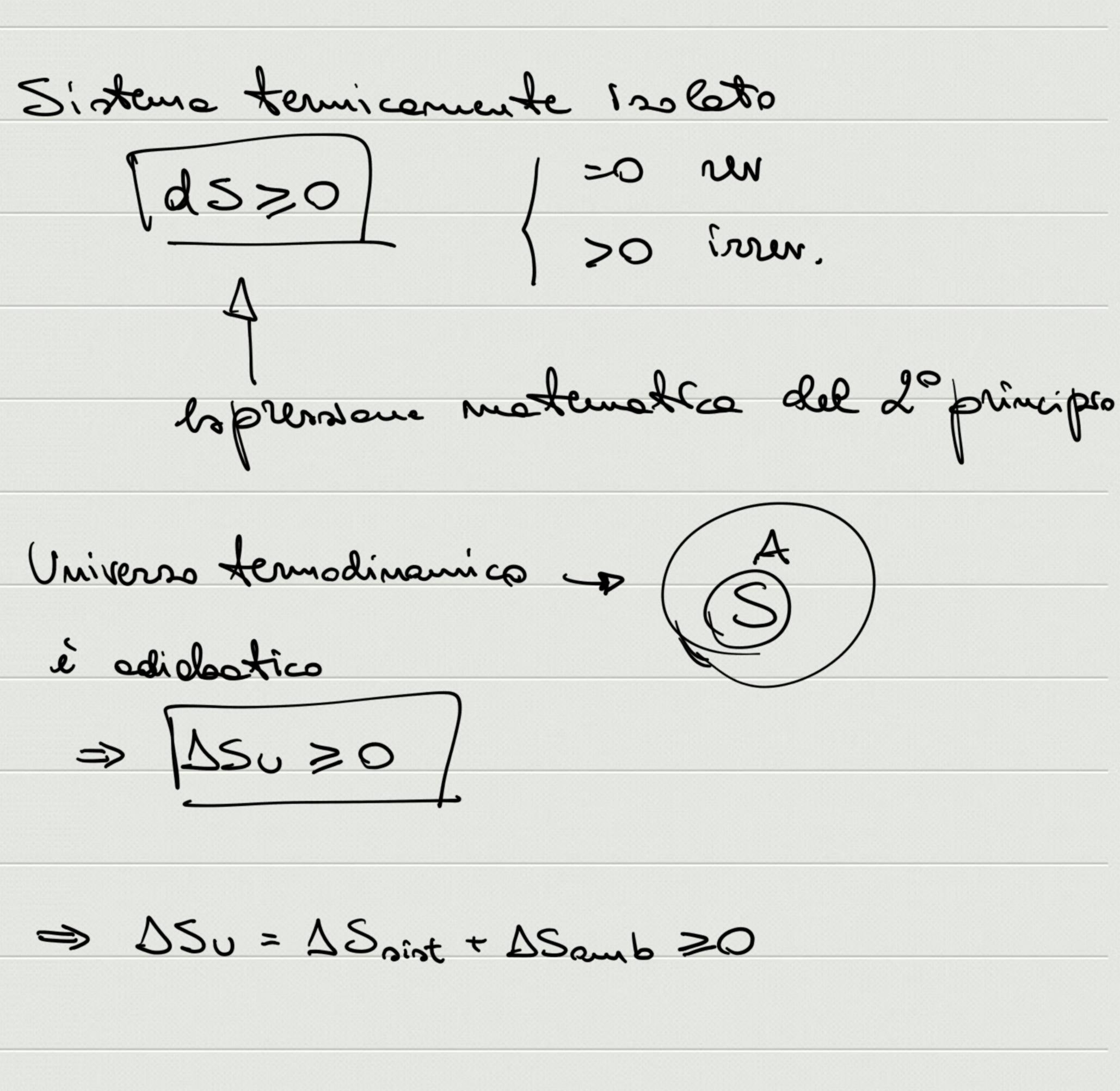
Sistemitemodinamici adiabatici => 5Q =0

adiabrew.
$$\Rightarrow 50 = 50 = 50$$

$$S_{S}-S_{A}=\int_{A}^{B}\left(\frac{\delta Q}{T}\right)_{TW}>\int_{A}^{B}\left(\frac{\delta Q}{T}\right)_{TWW}$$

$$S_{S}-S_{A}=\int_{A}^{B}\left(\frac{\delta Q}{T}\right)_{NN}>\int_{A}^{B}\left(\frac{\delta Q}{T}\right)_{INN}$$

$$dS=\left(\frac{\delta Q}{T}\right)_{NN}>\left(\frac{\delta Q}{T}\right)_{INN}, di Clousius$$



Reversible => DSv=0 => DSnint =-DSamb Irrwersible => DSv>0 => DSnint & -DSamb