



isterne mu.

DSv=DSger=nRlu Yfin Vin Wirm =0

Wow = mRT du Yfin Vin

Wrow - Wirow = MRThe You = TDSU

$$\Delta S_{0} = \frac{Q}{T_{2}} + \frac{Q}{T_{3}}$$

Ww - Winw =
$$Q\left(1-\frac{T_1}{T_2}\right) = T_1\left(\frac{Q}{T_1}-\frac{Q}{T_2}\right) = T_1\Delta S_U$$

$$\begin{array}{c}
 & \downarrow Q_2 \\
 & \downarrow Q_2
\end{array}$$

$$\begin{array}{c}
 & \downarrow Q_1
\end{array}$$

$$W_{R} - W_{I} = Q_{2}\left(1 - \frac{T_{L}}{T_{2}}\right) - \left(Q_{1} + Q_{2}\right) =$$

$$\left(-Q_{2} - Q_{1}\right)$$

$$= T_{1} \left(\frac{-Q_{2}}{T_{2}} + \frac{-Q_{1}}{T_{1}} \right) = T_{1} \Delta S_{0}$$

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