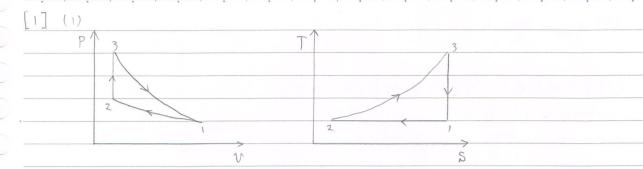
熱力学 3回目



:, 放熱量 | Q2 = -Q12 =
$$\int_{2}^{1} P dV = P_{2} V_{2} \int_{2}^{1} \frac{dV}{V} = P_{2} V_{2} \ln(\frac{V_{1}}{V_{2}}) = mRT_{2} \ln(\frac{P_{2}}{P_{1}})$$

$$= \left[1 - \frac{T_2(K-1) \ln \left(\frac{P_2}{P_1} \right)}{T_3 - T_2} \right]$$

(4)
$$\rho_1 V_1 = \rho_2 V_2 + \gamma_1$$
, $\frac{\rho_2}{\rho_1} = \frac{V_1}{V_2} = \frac{V_1}{V_3}$

$$\frac{V_1}{V_3} = \left(\frac{T_3}{T_1}\right) \frac{I}{F^{-1}} = \frac{P_2}{P_1}$$

$$\eta = | \frac{T_2(K^{-1}) \ln \binom{p_2}{p_1}}{T_3 - T_2} = | \frac{T_1(K^{-1}) \ln \binom{T_3}{T_1}}{T_3 - T_1} = | \frac{T_1 \ln \binom{T_3}{T_1}}{T_3 - T_1} = | \frac{400 \cdot \ln 2}{800 - 400}$$

$$\begin{bmatrix} 2 \end{bmatrix} \begin{pmatrix} 1 \end{pmatrix} S_1 = \frac{Q_H}{T_H} & S_2 = \frac{Q_L}{T_L}$$

(3)単位時間当たりの動力は仕事で等しいので、

- [3] 压縮液11,湿1蒸気12,過熱蒸気13
 - (1) Qe = 2/2 21 = 162605 0.975 = 761.635 = 7666 (1/20)

- (3) $Q_2 = f_2'' f_2' = 2996.2 962.605 = 2013.6 [3/48]$
- (4) (過熱度) = T3 -Ts = 500-179、88=|320,1(°C)|
- (5) $Q_3 = f_3 f_2'' = 3478.3 2976.2 = 902. [18]/ks$

$$C_3 = \frac{Q_3}{\Delta T} = \frac{Q_3}{T_3 - T_2} = \frac{9021}{3201} = \frac{22(16/16)}{1201}$$