

Temperatures

T1=T4= 171,35°C=384,50K

(a)

[CV1]

[CV2]

$$\eta = \frac{\hat{q}_{\text{in}} - |\hat{q}_{\text{out}}|}{\hat{q}_{\text{in}}} \times 100 = \frac{2225.97 - 1885.98}{2225.97} \times 100 \approx 15.27 \qquad |\eta = 15.3\%$$

6,

$$M_{cornot} = \left(1 - \frac{T_2}{T_1}\right) \times 100 \approx 13.34$$

Meanure = 13.3 %

3175

(C)

this is impossible