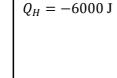
$$T_H = 400 \text{ K}$$



 $Q_C = +6000 \,\mathrm{J}$ 

 $\Delta S_C = \\ \Delta S_{NET} = \\ Possible?$ 

('yes' or 'no')

 $\Delta S_H =$ 

 $T_C = 300 \text{ K}$