

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



$$Q_H = -6000 \text{ J}$$



$$Q_C = +6000 \text{ J}$$

$$T_C = 300 \text{ K}$$

$$\Delta S_H =$$

$$\Delta S_C =$$

$$\Delta S_{NET} =$$

Possible?
(‘yes’ or ‘no’)