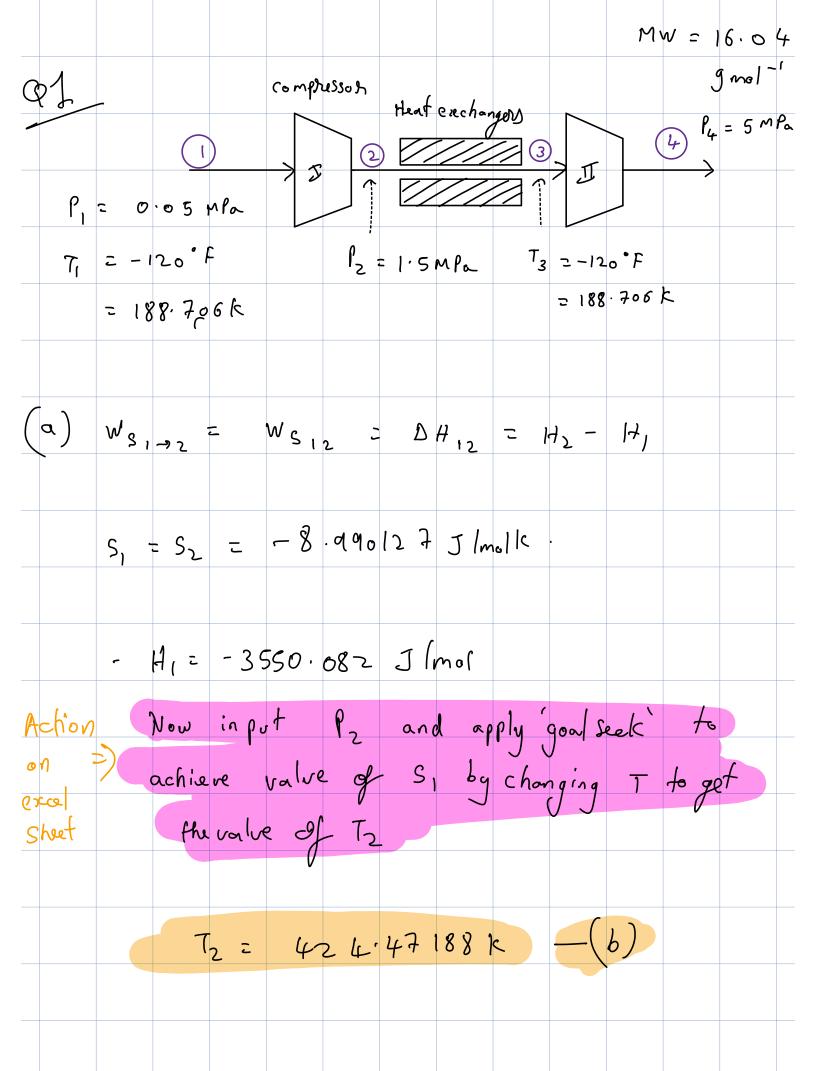
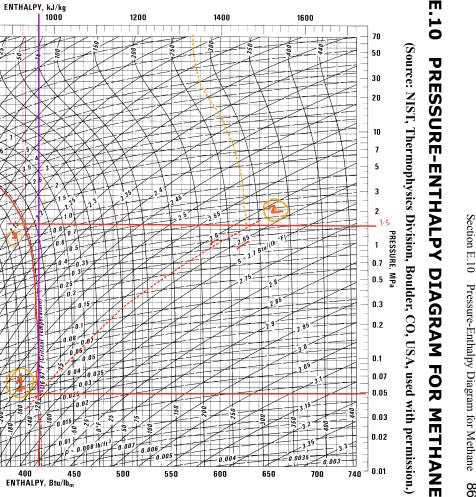


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$$H_{2} = 4818.6121 \text{ J/mol}$$

$$W_{ST} = H_{2} - H_{1} = 4818.6121 - (-3550.082)$$

$$= 8368.6941 \text{ J/mol}$$

$$= 521.739 \text{ J/g}$$

$$W_{ST} = 521.739 \text{ kJ/kg} - (a)$$

$$(c) T_{3} = 188.706 \text{ k}$$

$$P_{3} = 1.5 \text{ M/a}$$

$$H_{3} = -4120.335 \text{ J/mol}$$

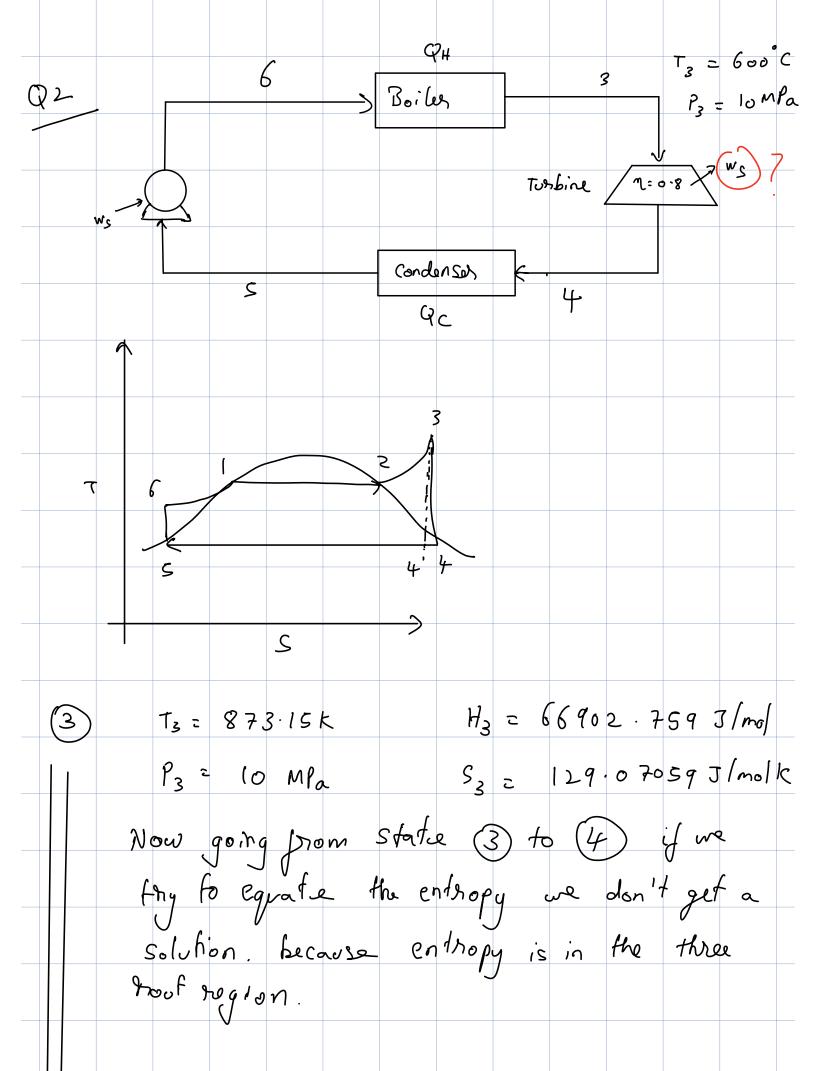
$$W_{S} = \Delta H = H_{3} - H_{2} = -4120.335 - 4818.6129$$

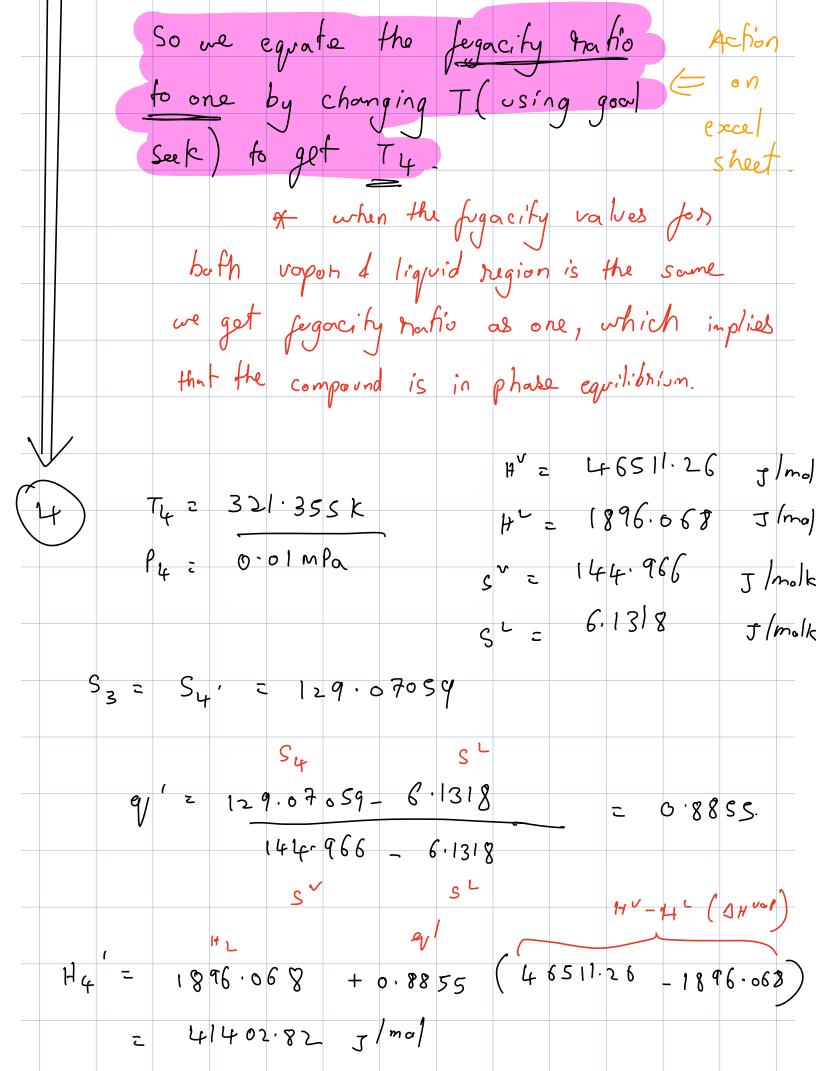
$$= -8938.9471 \text{ J/mol}$$

$$\Delta H = -557.291 \text{ kJ/kg}$$

$$= -557.291 \text{ kJ/kg}$$

$$= -557.291 \text{ kJ/kg}$$





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