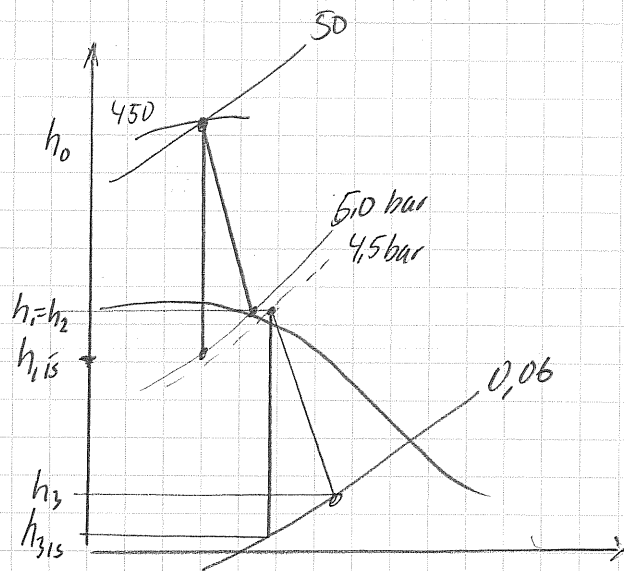
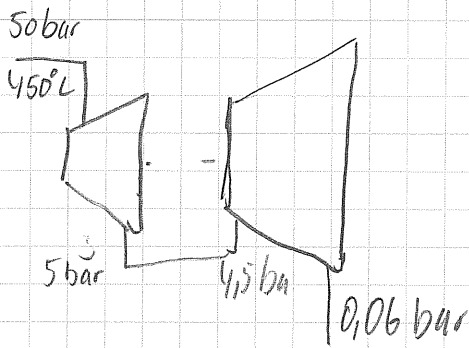


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2)  $\Delta h_{isHT} = h_0 - h_{0is} = 3317,5 - 2747 = \underline{570,5 \text{ kJ/kg}}$

$h_1 = h_0 - \Delta h_{isHT} \cdot \eta_{isHT} = 3317,5 - 570,5 \cdot 0,84 = 2838 \text{ kJ/kg}$

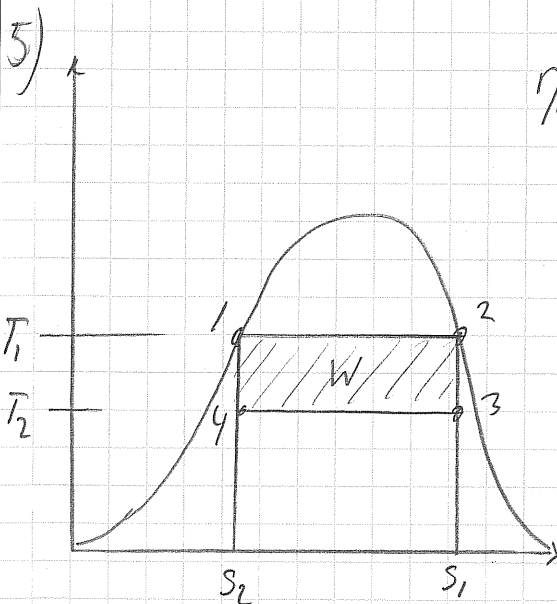
$\Delta h_{isLT} = h_1 - h_{3is} = 2838 - 2175 = \underline{663 \text{ kJ/kg}}$

$h_3 = h_1 - \Delta h_{isLT} \cdot \eta_{isLT} = 2838 - 663 \cdot 0,82 = 2294 \text{ kJ/kg}$

3)  $\Delta h_{HT} = \Delta h_{isHT} \cdot \eta_{HT} = 570,5 \cdot 0,84 = \underline{479,2 \text{ kJ/kg}}$

$\Delta h_{LT} = \Delta h_{isLT} \cdot \eta_{LT} = 663 \cdot 0,82 = \underline{543,7 \text{ kJ/kg}}$

4)  $x = \frac{h_3 - h'}{r} = \frac{2294 - 151,5}{2416} = \underline{0,887}$



$\eta_c = 1 - \frac{T_2}{T_1}$

$W_{TILE}$  er høj  $T_1 \cdot (s_1 - s_2)$  og lav  
 høj  $T_2 \cdot (s_1 - s_2)$

Det udførte arbejde  $W = (T_1 - T_2) \cdot (s_1 - s_2)$

1-2: Vand ved  $T_m$  1-2: fordamning

2-3: For mættet damp 2-3: isentrop. ekspans  
 sion i turbinen

3-4: Kondensering

4-1: isentropisk kompression/opvarmning  
 tilførsel af kondensat til kedel.