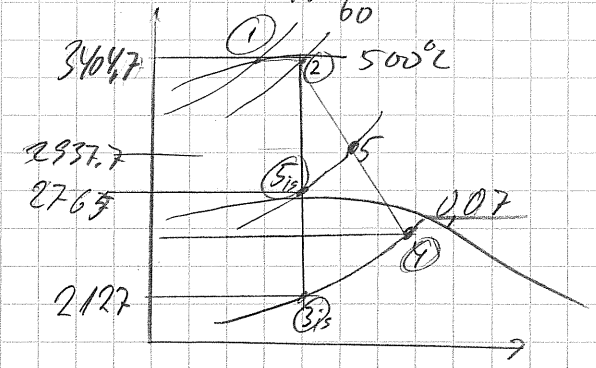
16 $p_1 = 75$ $p_2 = 60$ ba.

$T_1 = 500$

$h_1 = h_2 = 3404,7$



$h_4 = h_1 - \eta_{is,i} \cdot (h_1 - h_{3is})$

$h_4 = 3404,7 - 0,73 \cdot (3404,7 - 2127) = 2472,0$ kJ/kg

16.1 $t_4 =$ <u>39°C</u> (se diamplabel 0,07 bar)

$x = 0,96$

$v' = 1,0074$ l/kg $\quad v'' = 20,53$ m³/kg

16.1 $V_x = x \cdot v'' + (1-x) \cdot v' = 0,96 \cdot 20,53 + (1-0,96) \cdot 0,001 =$ <u>19,7 m³/kg</u>

$h_5 = h_1 - \eta_{is,i} (h_1 - h_{5is}) = 3404,7 - 0,73 (3404,7 - 2765) = 2937,7$ kJ/kg

$m_{cd} \cdot (h_1 - h_4) = x \cdot m_{cd} \cdot (h_1 - h_5) \Rightarrow$

$$x = \frac{(h_1 - h_4)}{(h_1 - h_5)} = \frac{(3404,7 - 2472,0)}{(3404,7 - 2937,7)} = 1,997$$

16.2 Forsyelse $= \frac{x \cdot m_{cd} - m_{cd}}{m_{cd}} \cdot 100\% \Rightarrow (x-1) \cdot 100\% =$ <u>99,7%</u>