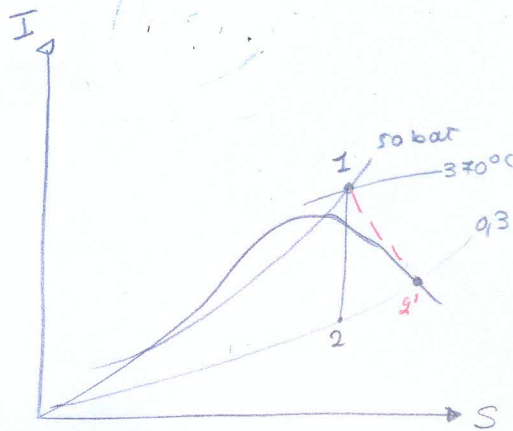
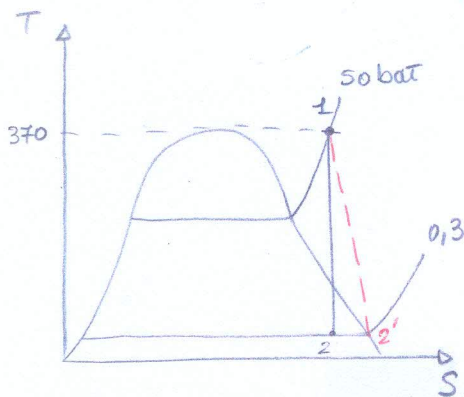


FM domusm



$p = 50 \text{ bar} \rightarrow I_1 = 3123,2$
 $t = 370^\circ\text{C} \rightarrow S_1 = 6,5364$

$p = 0,3 \text{ bar} \Rightarrow I_G = 289,30 \quad S_G = 0,9441$
 $v = 2336,1$
 $S_V = 7,7695 \quad T = 69,124 + 273 = 342,124 \text{ K}$
 $\sigma = 0,0010223$
 $S = 5,229$
 $I_V = I_2 = 2625,4$

$$p_{cut} = \frac{I_1 - I_2'}{I_1 - I_2}$$

Χαηδίζουμ μ I_2 : $I_2 = I_G_{0,3 \text{ bar}} + v_{0,3 \text{ bar}} \cdot x_2$

όπου x_2 αήό: $S_1 = S_2 = S_{G,0,3} + \left(\frac{v}{T}\right)_{0,3} \cdot x_2$

$$6,5364 = 0,9441 + \frac{2336,1}{342,124} \cdot x_2 \Rightarrow$$

$$\Rightarrow x_2 = \frac{6,5364 - 0,9441}{2336,1} \cdot 342,124 = 0,818$$

καί: $I_2 = 289,30 + 2336,1 \cdot 0,818 = 2202,56 \text{ KJ/kg}$

καί: $p_{cut} = \frac{3123,2 - 2625,4}{3123,2 - 2202,56} = 0,540$