

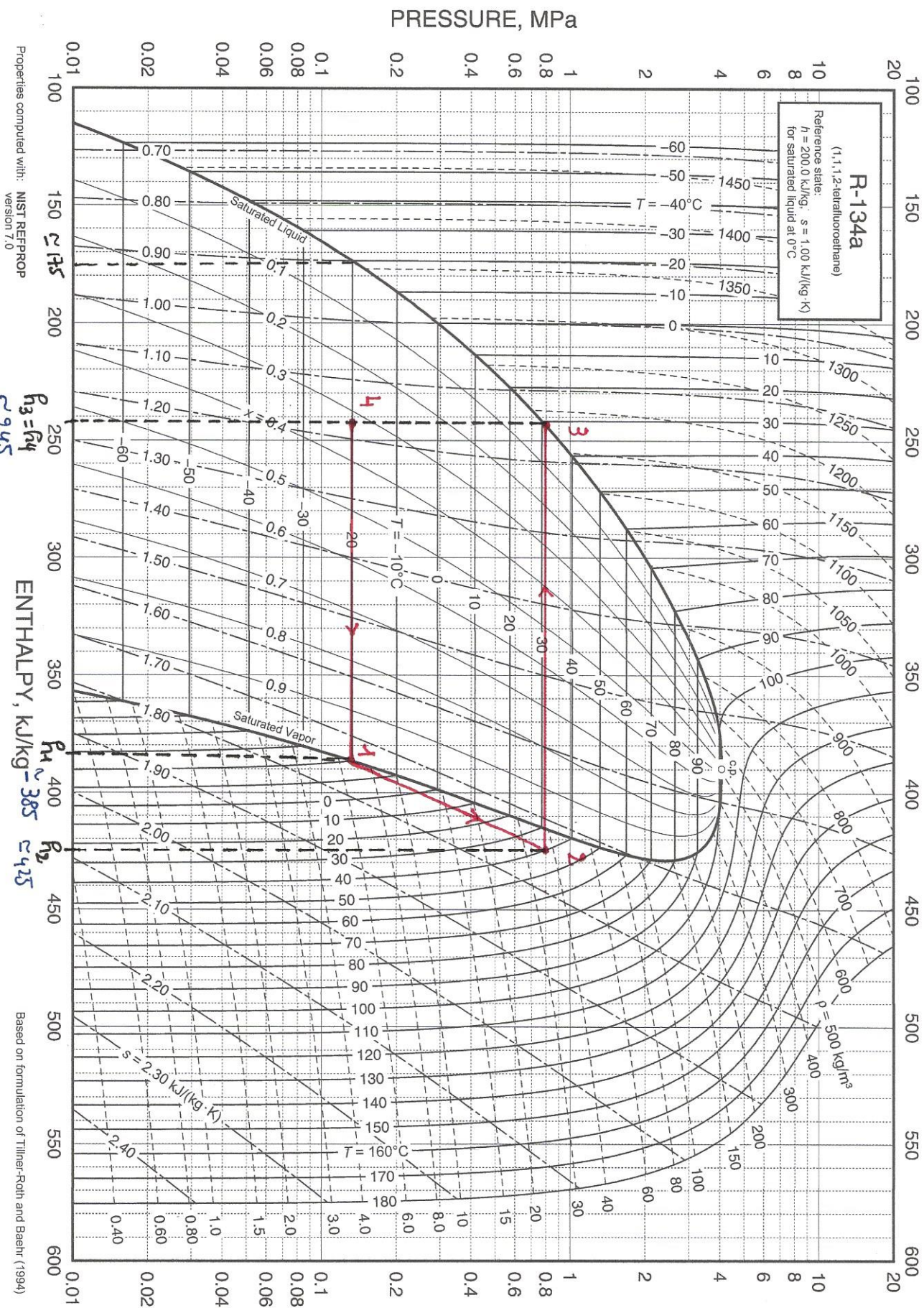


Fig. 8 Pressure-Enthalpy Diagram for Refrigerant 134a

$$h_4 = x_4 h_g^{\text{sat}}(-20^\circ\text{C}) + (1 - x_4) h_f^{\text{sat}}(-20^\circ\text{C}) \text{ donc } x_4 = \frac{h_4 - h_f^{\text{sat}}(-20^\circ\text{C})}{h_g^{\text{sat}}(-20^\circ\text{C}) - h_f^{\text{sat}}(-20^\circ\text{C})} = \frac{385 - 175}{385 - 175} = 0.33 \text{ (obéissant)}$$