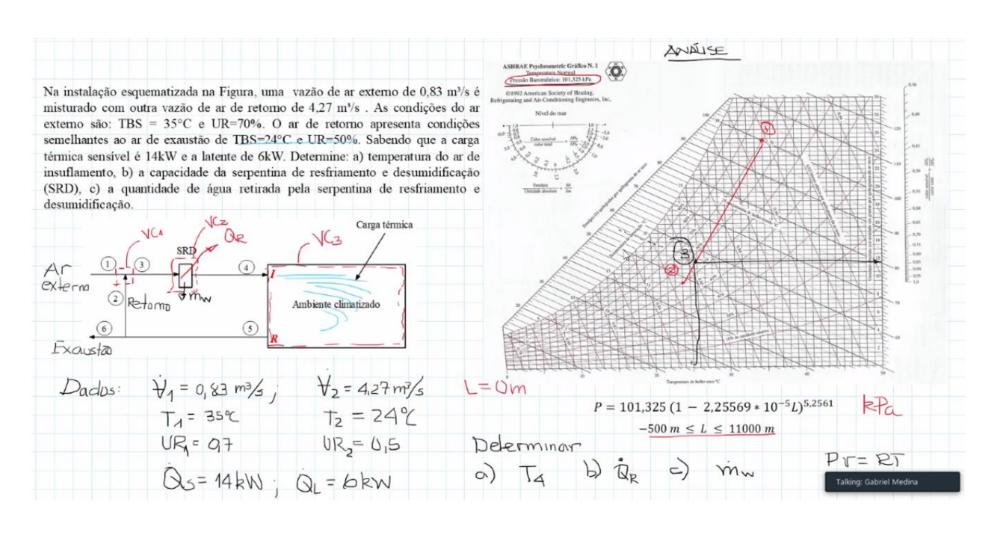
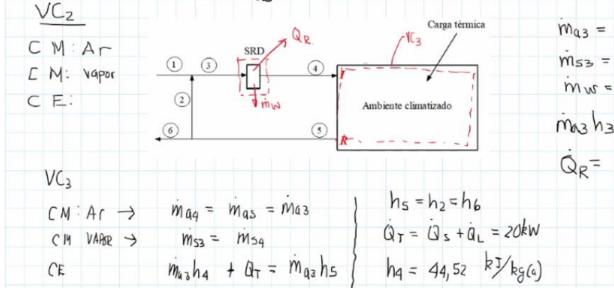
## Sistemas Térmicos II - Unidade III - Aula 27/04/2021

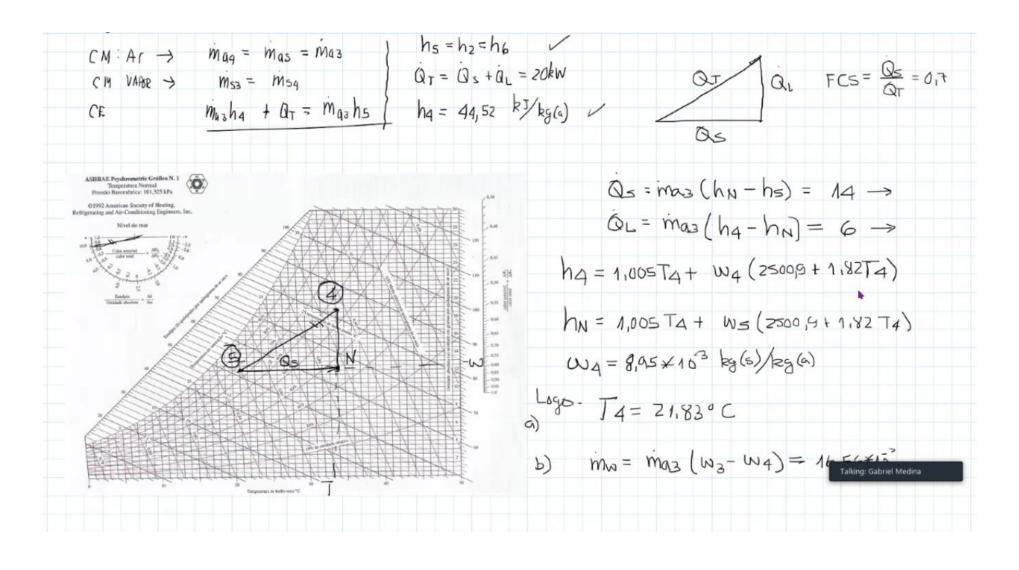


VC1 CM: AR  $m_{01} + m_{02} = m_{03}$  (1)  $V = m_{03} = \frac{R_0 T}{P_0}$   $V_0 = \frac{R_0 T}{$ manh + mazh = mash 3 (3)
Ps, = UR, \* Ps, sol (T1) = 3,9396 kta Van = 0,908 m3/kg(a) PSZ = UR2 PSZ, SAF(TZ) = 1,4925 kPa VGZ = 0,8542 " Lago:  $m_{\alpha_1} = 0.9140 \text{ kg(a)/s}$   $m_{\alpha_2} = 5.9125 \text{ kg(a)/s}$   $w = 0.622 \frac{P_5}{P_2} = 0.622 \frac{P_5}{P_a}$   $w_1 = 0.622 \frac{P_5}{P_a} = 0.622 \frac{P_5}{P_a}$   $w_2 = 4.9985 \text{ kg(a)/s}$   $w_3 = 5.9125 \text{ kg(a)/s}$   $w_4 = 0.622 \frac{P_5}{P_{a_1}} = 25.16 \times 10^3 \text{ k(s)/kg(a)}$ W2=0,622 PSZ = 9,3×163 h1= 99,7 kJ/kg(a) hz= 47,9 " Da Eq(3) hz = manh, + mazhz = 55,9 kJ/kg(a)  $Da = \frac{m_s}{m_a} = \frac{m_s}{m_a} \implies m_{33} = w_1 m_{a_1} + w_2 m_{a_2} = 69,48 \times 10^3 + 8951/s$ W3= ms3 = 11,73 × 103 kg(s)/kg(a) Talking: Gabriel Medina



 $m_{q3} = m_{04}$   $m_{53} = m_{10} + m_{54} \rightarrow m_{10} = m_{53} - m_{54}$   $m_{10} = m_{q3}(\omega_3 - \omega_4)$  (9)  $m_{13} + m_{13} + m_{10} + m_{11} + m_{12} + m_{13} + m_{14} + m$ 

Talking: Gabriel Medina



c)  $Q_R = m_{03}(h_3 - h_4) - m_{00} h_{0,174}$   $h_{0,174} \approx h_{1}(T_4) \approx q_{2,133} k_{0}/k_{0}g$  $Q_R = 65,76kW$