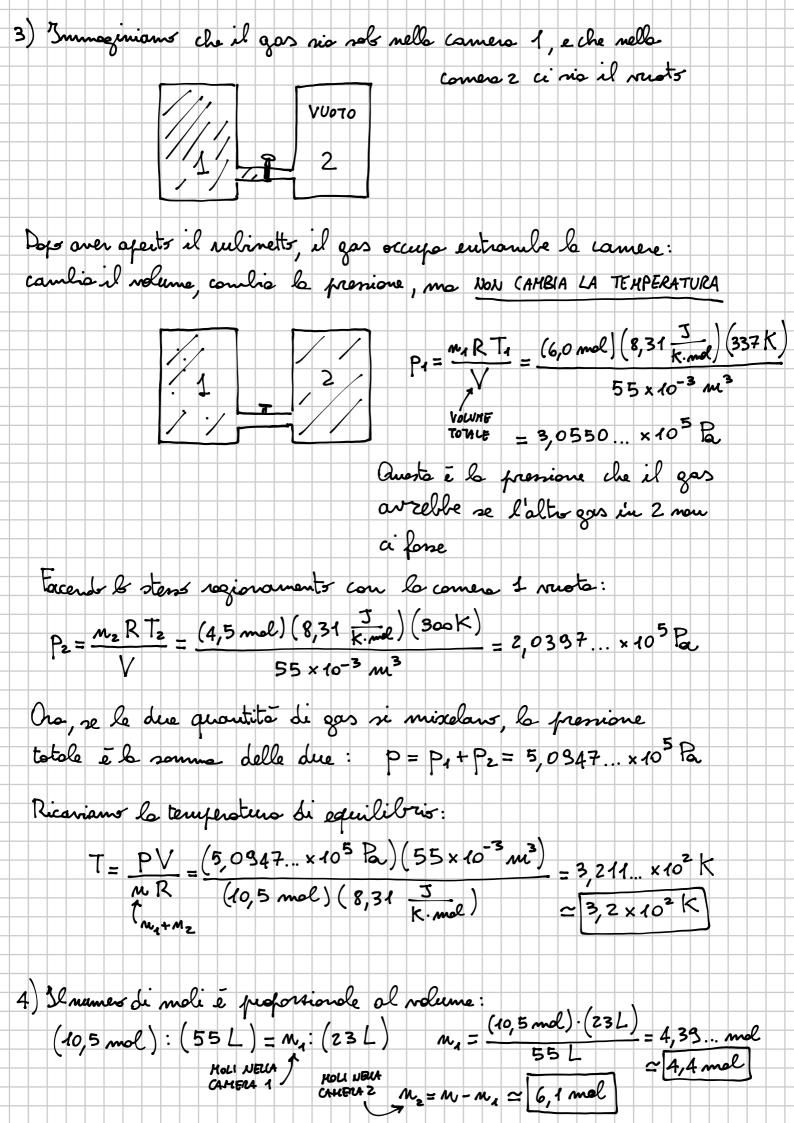


= 269785,...×10-1 N = 2,7×104 N



OSSERVAZIONE SUL PUNTO 3)
Snolgendo i cont: con le formule:

$$P_1 = \frac{m_1 R T_1}{V}$$

$$P_2 = \frac{m_2 R T_2}{V}$$

$$PV = MRT \Rightarrow (P_1 + P_2)V = (m_1 + m_2)RT$$

$$\left(\frac{m_1RT_1}{V} + \frac{m_2RT_2}{V}\right)V = \left(m_1 + m_2\right)RT$$

$$n_1 T_1 + n_2 T_2 = (n_1 + n_2) T$$

$$T = M_1 T_1 + M_2 T_2 = (6,0 \text{ mol})(337 \text{ K}) + (4,5 \text{ mol})(300 \text{ K})$$

$$M_1 + M_2 = (6,0 \text{ mol})(337 \text{ K}) + (4,5 \text{ mol})(300 \text{ K})$$

$$= 0,5 \text{ mol}$$