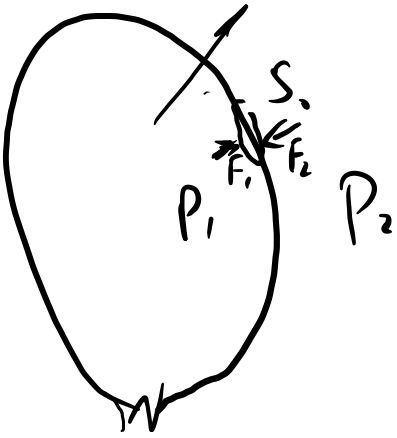
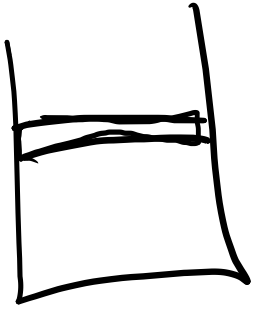


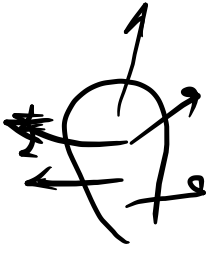
$F_1 \neq F_2$, если $P_1 \neq P_2$

↓

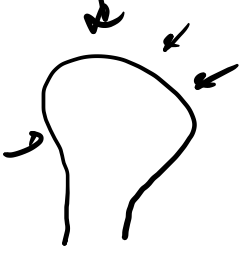
Он меняет „V".

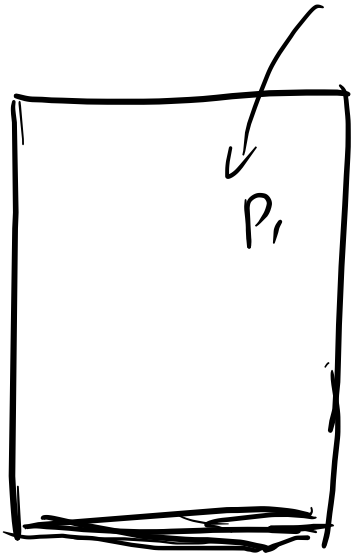


если $P_1 > P_2$



если $P_2 < 0$

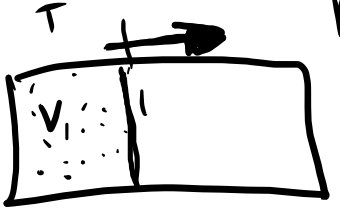




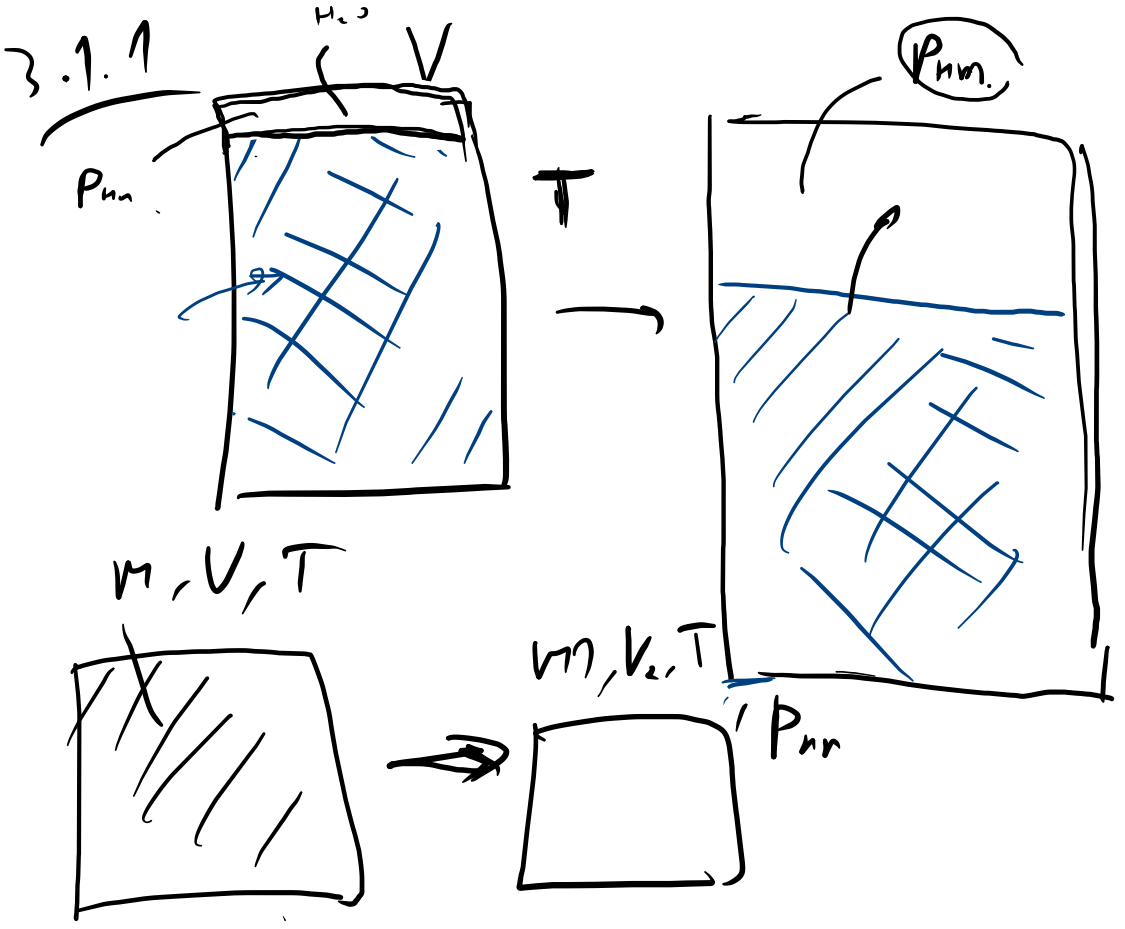
P_0

$P_1 \neq P_0$

$PV = nRT$



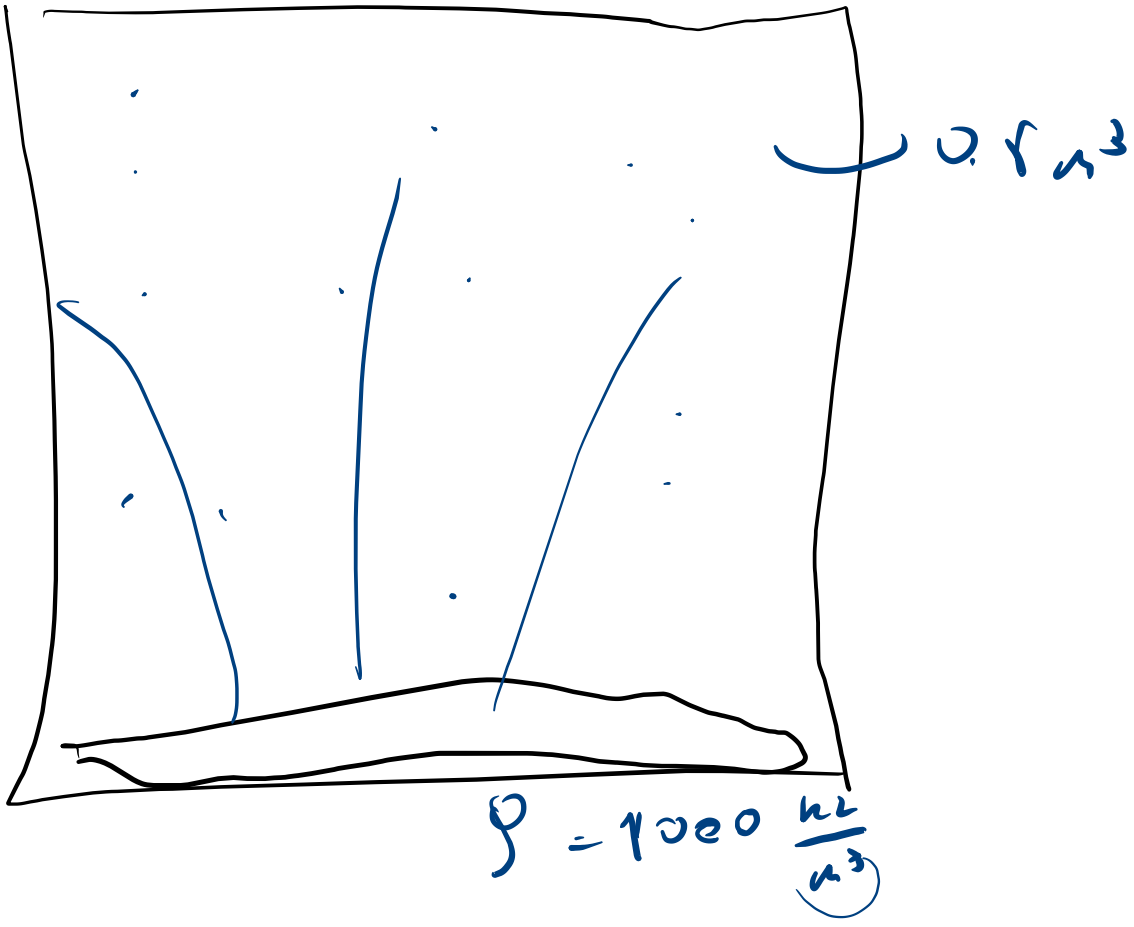
3.1.1

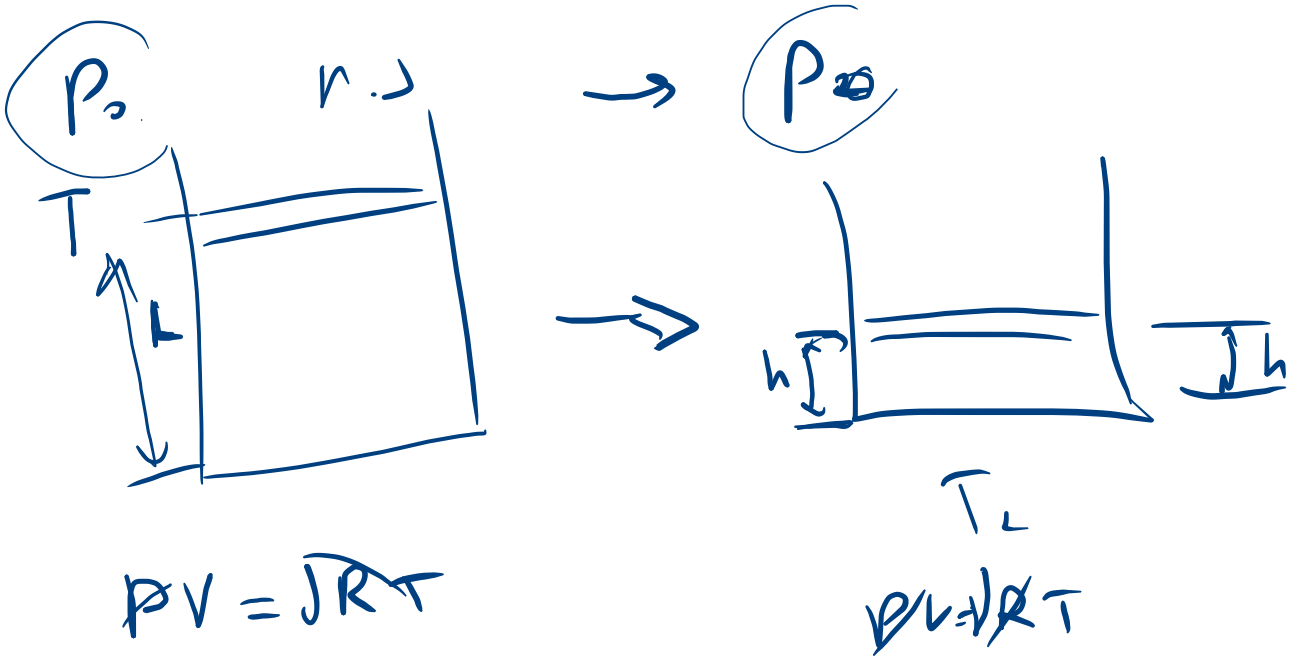


$$V = \frac{mRT}{M \cdot p_0} = \frac{0.6 \cdot 8{,}31 \cdot 423}{18 \cdot 10^{-3} \cdot 4{,}7 \cdot 10^{5}} \approx$$

$\approx 0{,}2\ м^3$ $\quad V = 0{,}5\ м^3$

Ответ: уменьшится на $0{,}3\ м^3$


0.2 m³
ρ = 1000 kg/m³



$PV = nRT$

$PL = nRT$

7.1.2. $V = \text{konst}$

$$p_1 = \varphi_1 \cdot p_{n1} \rightarrow \frac{p_1}{p_2} = \frac{T_1}{T_2}$$

$$p_2 = \varphi_2 \cdot p_{n2}$$

$$\frac{p_{n1}\,\varphi_1}{p_{n2}\cdot\varphi_2} = \frac{T_1}{T_2} \rightarrow \frac{p_{n1}}{p_{n2}} = \frac{T_1\,\varphi_2}{T_2\,\varphi_1}$$