

Boyle's law is:

$p \cdot V = \text{const}$  , where  $p$  denotes the pressure of the system,  $V$  denotes the volume of the gas.

So,  $p_0 \cdot V_0 = p_1 \cdot V_1$

$$1 \cdot 400 = p_1 \cdot 3 \Leftrightarrow p_1 = \frac{400}{3} = 133 \text{ atm}$$