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 $N = \frac{V}{RT} \times 18 \text{ mol} \times 8.314 \times 10^{-5} \text{ (bar} \cdot \text{m}^3 \text{ mol}^{-1} \text{K}^{-1})$
 $T = 300 \text{ K}$
 $P = 1 \times 10^{-3} \text{ bar}$
 $(10 - x) \times 10^6 \text{ volume taken up by liquid}$
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