

~~1,69 =~~ (2)

$$1,69 \cdot 10^{-5} = \frac{[\text{CH}_3\text{COO}^-] \cdot 10^{-5}}{[\text{CH}_3\text{COOH}]}$$

$$1,69 = \frac{[\text{CH}_3\text{COO}^-]}{[\text{CH}_3\text{COOH}]}$$

$$[\text{CH}_3\text{COO}^-] = 0,1$$

$$n[\text{CH}_3\text{COO}^-] = 0,1 \cdot 0,25 = 0,025 \text{ mol} = n[\text{CH}_3\text{COOH} \cdot 2\text{H}_2\text{O}]$$

$$m = n \cdot M = 0,025 \cdot 118 = \underline{\underline{2,95 \text{ g}}}$$

HCl:

$$1,69 = \frac{0,1}{[\text{CH}_3\text{COOH}]}$$

$$\Rightarrow [\text{CH}_3\text{COOH}] = 0,059 \text{ M}$$

$$n = 0,01479 \text{ mol}$$

$$m = V = \frac{n}{c} = \frac{0,014}{0,1} = 0,14 \text{ l}$$