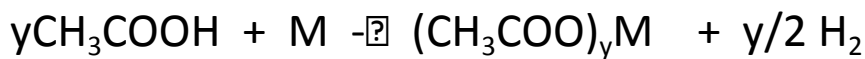
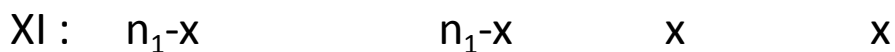
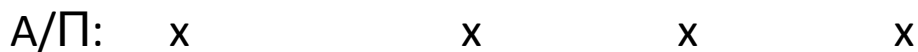
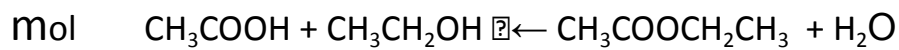


$$m = n_1 M m_1 + n_1 M m_2$$

$$10,6 \text{ g} = n_1 (46 + 60) \text{ g/mol}$$

$$n_1 = a/10 \text{ mol}$$



$$K_c = \frac{[\text{CH}_3\text{COOCH}_2\text{CH}_3][\text{H}_2\text{O}]}{[\text{CH}_3\text{COOH}][\text{CH}_3\text{CH}_2\text{OH}]}$$

$$4 = \frac{(x^2/V^2)(\text{mol}^2/\text{L}^2)}{[(n_1 - x)^2/V^2(\text{mol}^2/\text{L}^2)]}$$

$$2 = x / (n_1 - x)$$

$$2n_1 - 2x = x$$

$$x = 2n_1/3$$

$$\text{Αρα } n_1 - x = n_1/3$$

$$\text{Άρα : } n_1/3y = a/60 \text{ mol} \Rightarrow a/(10 \times 3 \times y) = a/60 \Rightarrow \mathbf{y=2}$$

Άρα ο Α.Ο του μετάλλου είναι **+2**