

$$\begin{aligned}\alpha' \text{ μέλος} &= \frac{1 + \varepsilon \varphi^3 x}{1 + \sigma \varphi^3 x} = \frac{1 + \varepsilon \varphi^3 x}{1 + \left(\frac{1}{\varepsilon \varphi x} \right)^3} = \\ &= \frac{1 + \varepsilon \varphi^3 x}{1 + \frac{1}{\varepsilon \varphi^3 x}} = \frac{1 + \varepsilon \varphi^3 x}{\frac{\varepsilon \varphi^3 x + 1}{\varepsilon \varphi^3 x}} = \\ &= \varepsilon \varphi^3 x\end{aligned}$$

$$\text{Και } \beta' \text{ μέλος} = \left(\frac{1 + \varepsilon \varphi x}{1 + \sigma \varphi x} \right)^3 = \left(\frac{1 + \varepsilon \varphi x}{1 + \frac{1}{\varepsilon \varphi x}} \right)^3 = \left(\frac{\frac{1 + \cancel{\varepsilon \varphi x}}{\cancel{\varepsilon \varphi x} + 1}}{\frac{1}{\cancel{\varepsilon \varphi x}}} \right)^3 = \varepsilon \varphi^3 x$$

Άρα : $\alpha' \text{ μέλος} = \beta' \text{ μέλος} = \varepsilon \varphi^3 x$