

17.17

$$\begin{aligned}\alpha' \text{ μέλος} &= \left(\frac{1}{\eta\mu\omega} - \sigma\varphi\omega \right)^2 = \left(\frac{1}{\eta\mu\omega} - \frac{\sigma\upsilon\nu\omega}{\eta\mu\omega} \right)^2 = \left(\frac{1 - \sigma\upsilon\nu\omega}{\eta\mu\omega} \right)^2 = \\ &= \frac{(1 - \sigma\upsilon\nu\omega)^2}{\eta\mu^2\omega} = \frac{(1 - \sigma\upsilon\nu^2\omega)}{1 - \sigma\upsilon\nu^2\omega} = \frac{(1 - \sigma\upsilon\nu\omega)^2}{(1 - \sigma\upsilon\nu\omega)(1 + \sigma\upsilon\nu\omega)} = \frac{1 - \sigma\upsilon\nu\omega}{1 + \sigma\upsilon\nu\omega} = \\ &= \beta' \text{ μέλος}\end{aligned}$$