

$$\begin{aligned}(\sqrt{2} - 1) \cdot \sqrt[4]{17 + 12\sqrt{2}} &= \sqrt[4]{(\sqrt{2} - 1)^4(17 + 12\sqrt{2})} = \\ &= \sqrt[4]{(17 - 12\sqrt{2})(17 + 12\sqrt{2})} = \sqrt[4]{17^2 - 2 \cdot 12^2} = \sqrt[4]{1} = 1.\end{aligned}$$

(Ungár Andor, Zenta.)

Megoldások száma: 15.