

Solución al problema de “cuánto vale”

Enunciado:

$$\frac{\sqrt{\sqrt{2}+1}}{\sqrt{\sqrt{2}-1}} = ??$$

Solución:

$$\frac{\sqrt{\sqrt{2}+1}}{\sqrt{\sqrt{2}-1}} = \sqrt{\frac{\sqrt{2}+1}{\sqrt{2}-1}} = \sqrt{\frac{(\sqrt{2}+1) \cdot (\sqrt{2}+1)}{(\sqrt{2}-1) \cdot (\sqrt{2}+1)}} = \sqrt{\frac{(\sqrt{2}+1)^2}{2-1}} = \sqrt{(\sqrt{2}+1)^2} = \sqrt{2}+1$$

Solución: $\sqrt{2}+1$