

A

5) Zjednodušte:  $\frac{\sqrt{a \cdot \sqrt[3]{a \cdot \sqrt[4]{a^{-1}}}}}{\sqrt[3]{a^{-2}} \cdot \sqrt[4]{a^3}}$

$$\frac{\sqrt{a \cdot \sqrt[3]{a \cdot \sqrt[4]{a^{-1}}}}}{\sqrt[3]{a^{-2}} \cdot \sqrt[4]{a^3}} = \frac{a^{\frac{1}{2}} \cdot a^{\frac{1}{6}} \cdot a^{\frac{1}{24}}}{a^{\frac{2}{3}} \cdot a^{\frac{3}{4}}} = \frac{a^{\frac{12+4-1}{24}}}{a^{\frac{-8+9}{12}}} = a^{\frac{13}{24}}, \quad a > 0$$

[Zpět:](#)

[Další:](#)