

## Potenzen Aufgabe 64

$$a^{n+4} : a^3 = a^{n+4-3} = a^{n+1}$$

$$\begin{array}{r} a^{n+4} - a^n : a^3 + a = \mathbf{a^{n+1} - a^{n-1}} \\ -(a^{n+4} + a^{n+2}) \\ \hline -a^{n+2} - a^n \\ -(-a^{n+2} - a^n) \\ \hline 0 \end{array}$$

$$\text{Mit } a^3 * a^{n-1} = a^{n+2}$$

$$\text{und } a * a^{n-1} = a^1 * a^{n-1} = a^n$$