

$$\begin{aligned} \dots &= \frac{3(2\log_6 30 - \log_6 150)}{2(3\log_7 14 - \log_7 56)} = \frac{3 \cdot \log_6 \frac{900}{150}}{2 \cdot \log_7 \frac{14^3}{14 \cdot 4}} = \frac{3\log_6 6}{2\log_7 49} = \\ &= \frac{3}{4} = 0,75 \end{aligned}$$