

$$k \times \leq = k \Leftrightarrow k = k \times \leq^{-1}$$

$$\bigwedge_y^{\hbar} : k^y = \sum_x^{|y|} k^x = \sum_{x \leq y} k^x \stackrel{\substack{\text{zeilen} \\ \Leftrightarrow \\ \text{Moeb inv}}}{=} k^y = \sum_x^{|y|} k^x \leq^{-1} y = \sum_{x \leq y} k^x \leq^{-1} y$$

$$k^y = \overbrace{k \times \leq}^y = \sum_{x \leq y} k^x \underbrace{x \leq y}_{=1} = \sum_{x \leq y} k^x$$

$$k^y = \overbrace{k \times \leq^{-1}}^y = \sum_{x \leq y} k^x \leq^{-1} y$$

$$\bigwedge_x^{\hbar} : x^y = \sum_y^{|x|} y^y = \sum_{x \leq y} y^y \stackrel{\substack{\text{spalten} \\ \Leftrightarrow \\ \text{Moeb inv}}}{=} x^y = \sum_y^{|x|} x^y \leq^{-1} y = \sum_{x \leq y} x^y \leq^{-1} y$$