$$a{:}b = \overbrace{\underbrace{a}\,{:}\underbrace{a \cup b}}\ \text{pair auch for a=b}$$

$$a{:}b = c{:}d \Leftrightarrow \begin{cases} a = c \\ b = d \end{cases}$$

$$\mathfrak{h} \times \mathfrak{h}' = \frac{\mathfrak{h}{:}\mathfrak{h}'}{\mathfrak{h} \in \mathfrak{H} \wedge \mathfrak{h}' \in \mathfrak{H}'} = \frac{\mathfrak{h}{:}\mathfrak{h}'}{\dot{\mathfrak{h}} \in \dot{\mathfrak{H}}}$$

$$\mathfrak{H} \times \mathfrak{K} = \frac{\mathfrak{h}{:}\mathfrak{k}}{\mathfrak{h} \in \mathfrak{H}: \quad \mathfrak{k} \in \mathfrak{K}}$$