

$$\begin{aligned} _ \times_s _ &: (\text{SD} \rightarrow \text{Set}) \rightarrow (\text{SD} \rightarrow \text{Set}) \rightarrow \text{SD} \rightarrow \text{Set} \\ (P \times_s Q) \text{ sd} &= P \text{ sd} \times Q \text{ sd} \end{aligned}$$

$$\begin{aligned} _ \Rightarrow_s _ &: (\text{SD} \rightarrow \text{Set}) \rightarrow (\text{SD} \rightarrow \text{Set}) \rightarrow \text{SD} \rightarrow \text{Set} \\ (P \Rightarrow_s Q) \text{ sd} &= \forall \{sd'\} \rightarrow (sd \leq_s sd') \rightarrow P \text{ sd}' \rightarrow Q \text{ sd}' \end{aligned}$$