

$$\begin{aligned}
& (\forall X. ((AdultF(X) \rightarrow PersonF(X)) \wedge \\
& (AdultF(X) \rightarrow BOX0F(X)) \wedge \\
& \neg(MinorF(X) \wedge \\
& AdultF(X)) \wedge \\
& (MinorF(X) \rightarrow PersonF(X)) \wedge \\
& \Box_F((\bigcirc_F BOX1P(X) \leftrightarrow (BOX1P(X) \wedge \\
& \bigcirc_F AdultP(X))) \wedge \\
& (BOX0F(X) \leftrightarrow \Box_F AdultF(X))) \wedge \\
& (MinorF(X) \leftrightarrow MinorP(X)) \wedge \\
& (BOX0F(X) \leftrightarrow BOX1P(X)) \wedge \\
& (PersonF(X) \leftrightarrow PersonP(X)) \wedge \\
& (AdultF(X) \leftrightarrow AdultP(X)))
\end{aligned}$$