

$$\begin{aligned}
& \forall x \exists y ((x < y) \wedge (\text{prim}(y))) \\
& \forall x \exists y ((x < y) \wedge (\text{prim}(y)) \wedge (\text{prim}(SSy))) \\
& \exists y \forall x (\text{prim}(x) \supset (x < y)) \\
& \exists y \forall x (y < x) \supset \neg(\text{prim}(x))
\end{aligned}
\tag{1}$$