

$$\begin{aligned}
& (\forall x \varphi(x, y) \Rightarrow \exists t (\psi(t) \vee \chi(y, z))) \\
& \exists x (\varphi(x, y) \Rightarrow \exists t (\psi(t) \vee \chi(y, z))) \\
& \exists x \exists t (\varphi(x, y) \Rightarrow (\psi(t) \vee \chi(y, z))) \\
& \neg (\exists x \exists t (\varphi(x, y) \Rightarrow (\psi(t) \vee \chi(y, z)))) \\
& \forall x \forall t \neg (\varphi(x, y) \Rightarrow (\psi(t) \vee \chi(y, z))) \\
& \forall x \forall t \neg (\neg \varphi(x, y) \vee (\psi(t) \vee \chi(y, z))) \\
& \forall x \forall t (\varphi(x, y) \wedge \neg (\psi(t) \vee \chi(y, z))) \\
& \forall x \forall t (\varphi(x, y) \wedge \neg \psi(t) \wedge \neg \chi(y, z))
\end{aligned}$$