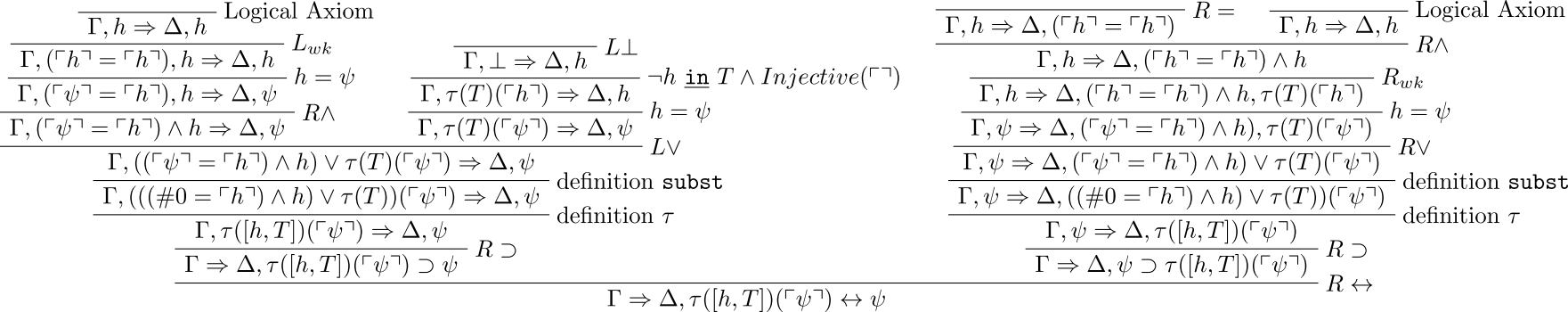
Logical Axiom
$\Gamma, h \Rightarrow \Delta, h$
L_{wk}
$\Gamma, (\ulcorner h \urcorner = \ulcorner h \urcorner), h \Rightarrow \Delta, h$
$h = \psi$
$\Gamma, (\ulcorner \psi \urcorner = \ulcorner h \urcorner), h \Rightarrow \Delta, \psi$
$R\wedge$
$\Gamma, (\ulcorner \psi \urcorner = \ulcorner h \urcorner) \wedge h \Rightarrow \Delta, \psi$
$L\bot$
$\Gamma, \bot \Rightarrow \Delta, h$
$\neg h \ \underline{\texttt{in}}\ T \wedge Injective(\ulcorner \urcorner)$
$\Gamma, \tau(T)(\ulcorner h \urcorner) \Rightarrow \Delta, h$
$h = \psi$
$\Gamma, \tau(T)(\ulcorner \psi \urcorner) \Rightarrow \Delta, \psi$
$L\vee$
$\Gamma, ((\ulcorner \psi \urcorner = \ulcorner h \urcorner) \wedge h) \vee \tau(T)(\ulcorner \psi \urcorner) \Rightarrow \Delta, \psi$
definition subst
$\Gamma, (((\#0 = \ulcorner h \urcorner) \wedge h) \vee \tau(T))(\ulcorner \psi \urcorner) \Rightarrow \Delta, \psi$
definition τ
$\Gamma, \tau([h,T])(\ulcorner \psi \urcorner) \Rightarrow \Delta, \psi$
$R\supset$
$\Gamma \Rightarrow \Delta, \tau([h,T])(\ulcorner \psi \urcorner) \supset \psi$
$R =$
$\Gamma, h \Rightarrow \Delta, (\ulcorner h \urcorner = \ulcorner h \urcorner)$
Logical Axiom
$\Gamma, h \Rightarrow \Delta, h$
$R\wedge$
$\Gamma, h \Rightarrow \Delta, (\ulcorner h \urcorner = \ulcorner h \urcorner) \wedge h$
R_{wk}
$\Gamma, h \Rightarrow \Delta, (\ulcorner h \urcorner = \ulcorner h \urcorner) \wedge h, \tau(T)(\ulcorner h \urcorner)$
$h = \psi$
$\Gamma, \psi \Rightarrow \Delta, (\ulcorner \psi \urcorner = \ulcorner h \urcorner) \wedge h), \tau(T)(\ulcorner \psi \urcorner)$
$R\vee$
$\Gamma, \psi \Rightarrow \Delta, (\ulcorner \psi \urcorner = \ulcorner h \urcorner) \wedge h) \vee \tau(T)(\ulcorner \psi \urcorner)$
definition subst
$\Gamma, \psi \Rightarrow \Delta, ((\#0 = \ulcorner h \urcorner) \wedge h) \vee \tau(T))(\ulcorner \psi \urcorner)$
definition τ
$\Gamma, \psi \Rightarrow \Delta, \tau([h,T])(\ulcorner \psi \urcorner)$
$R\supset$
$\Gamma \Rightarrow \Delta, \psi \supset \tau([h,T])(\ulcorner \psi \urcorner)$
$R\leftrightarrow$
$\Gamma \Rightarrow \Delta, \tau([h,T])(\ulcorner \psi \urcorner) \leftrightarrow \psi$