

	<i>introduction</i>	<i>elimination</i>
=	$\frac{}{t = t} =i$	$\frac{t_1 = t_2 \quad \Phi[t_1/x]}{\Phi[t_2/x]} =e$
$\forall$	$\frac{\boxed{\begin{array}{c} x_0: \\ \vdots \\ \Phi[x_0/x] \end{array}}}{\forall x \Phi} \forall x i$	$\frac{\forall x \Phi}{\Phi[t/x]} \forall x e$
$\exists$	$\frac{\Phi[t/x]}{\exists x \Phi} \exists x i$	$\frac{\exists x \Phi \quad \boxed{\begin{array}{c} x_0: \Phi[x_0/x] \\ \vdots \\ \chi \end{array}}}{\chi} \exists x e$

**Figure:** Natural deduction rules for predicate logic