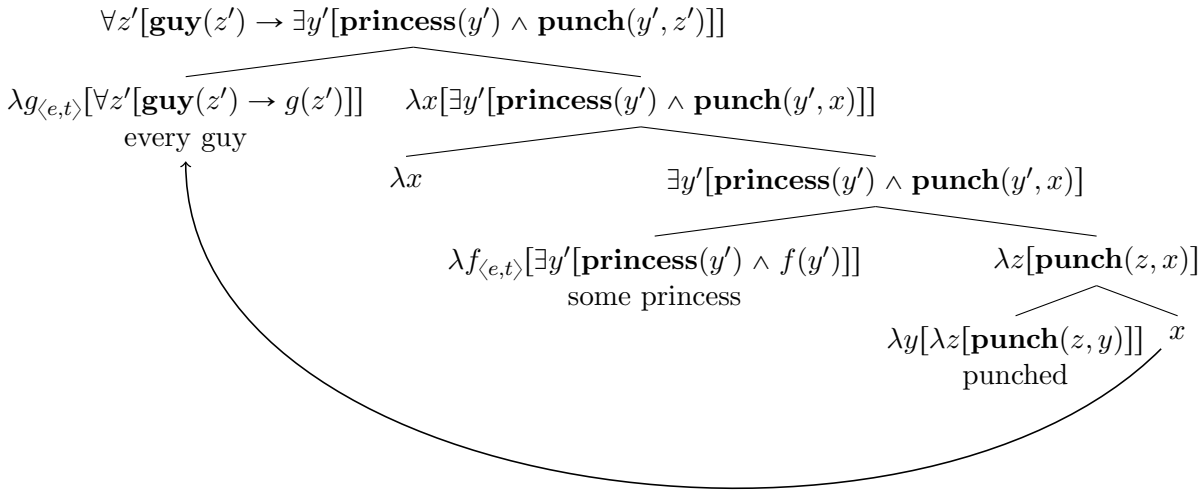
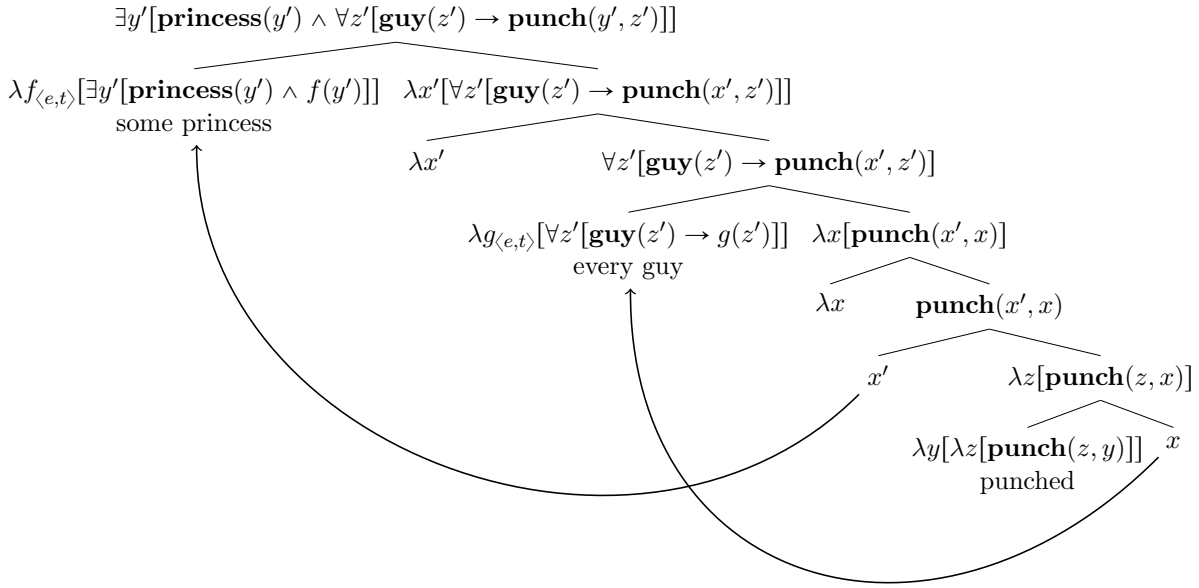
Meaning 1:


$\forall z'[\mathbf{guy}(z') \rightarrow \exists y'[\mathbf{princess}(y') \wedge \mathbf{punch}(y', z')]]$
$\lambda g_{\langle e,t\rangle}[\forall z'[\mathbf{guy}(z') \rightarrow g(z')]]$
every guy
$\lambda x[\exists y'[\mathbf{princess}(y') \wedge \mathbf{punch}(y', x)]]$
λx
$\exists y'[\mathbf{princess}(y') \wedge \mathbf{punch}(y', x)]$
$\lambda f_{\langle e,t\rangle}[\exists y'[\mathbf{princess}(y') \wedge f(y')]]$
some princess
$\lambda z[\mathbf{punch}(z, x)]$
$\lambda y[\lambda z[\mathbf{punch}(z, y)]]$
punched
x

Meaning 2:


$\exists y'[\mathbf{princess}(y') \wedge \forall z'[\mathbf{guy}(z') \rightarrow \mathbf{punch}(y', z')]]$
$\lambda f_{\langle e,t\rangle}[\exists y'[\mathbf{princess}(y') \wedge f(y')]]$
some princess
$\lambda x'[\forall z'[\mathbf{guy}(z') \rightarrow \mathbf{punch}(x', z')]]$
$\lambda x'$
$\forall z'[\mathbf{guy}(z') \rightarrow \mathbf{punch}(x', z')]$
$\lambda g_{\langle e,t\rangle}[\forall z'[\mathbf{guy}(z') \rightarrow g(z')]]$
every guy
$\lambda x[\mathbf{punch}(x', x)]$
λx
$\mathbf{punch}(x', x)$
x'
$\lambda z[\mathbf{punch}(z, x)]$
$\lambda y[\lambda z[\mathbf{punch}(z, y)]]$
punched
x