

$$\begin{array}{c}
(\text{ nsubj } (\text{ attr is } (\text{ prep } (\text{ det capital the } ) (\text{ pobj of Texas } ) ) ) \text{ Austin } ) \\
\\
\frac{\lambda x. \text{ UNIQUE}(x) \wedge \text{ capital}(x)}{\lambda f_1. \lambda x. \exists y. f_1(x) \wedge \text{ Texas}(y) \wedge \text{ capital.of.arg1}(e, x) \wedge \text{ capital.of.arg2}(e, y)} \\
\\
\frac{\lambda x. \exists y. \text{ UNIQUE}(x) \wedge \text{ capital}(x) \wedge \text{ Texas}(y) \wedge \text{ capital.of.arg1}(e, x) \wedge \text{ capital.of.arg2}(e, y)}{\lambda f_2. \exists x. \exists y. f_2(x) \wedge \text{ UNIQUE}(x) \wedge \text{ capital}(x) \wedge \text{ Texas}(y) \wedge \text{ capital.of.arg1}(e, x) \wedge \text{ capital.of.arg2}(e, y)} \\
\\
\frac{\exists x. \exists y. \text{ Austin}(x) \wedge \text{ UNIQUE}(x) \wedge \text{ capital}(x) \wedge \text{ Texas}(y) \wedge \text{ capital.of.arg1}(e, x) \wedge \text{ capital.of.arg2}(e, y)}{\text{ UNIQUE}(\text{ Austin}) \wedge \text{ capital}(\text{ Austin}) \wedge \text{ capital.of.arg1}(e, \text{ Austin}) \wedge \text{ capital.of.arg2}(e, \text{ Texas})}
\end{array}$$