

PLT Redex Judgment Form Derivations

$$\begin{array}{c}
 \frac{}{(\text{unique } x)} \quad \frac{}{(\vdash ((x \text{ num})) \text{ add1} : (\text{num} \rightarrow \text{num}))} [\text{op1}] \quad \frac{}{(\text{lookup } ((x \text{ num})) x \text{ num})} [\text{var}] \\
 \frac{}{(\vdash ((x \text{ num})) \text{ add1} : (\text{num} \rightarrow \text{num}))} [\text{app}] \quad \frac{}{(\vdash ((x \text{ num})) x : \text{num})} [\text{app}] \\
 \frac{}{(\vdash () (\lambda ((x : \text{num})) (\text{add1 } x)) : (\text{num} \rightarrow \text{num}))} [\lambda]
 \end{array}$$

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