

Inference at * 1
of proof for Lemma comp_id_r:

$\vdash \forall A, B:\text{Type}, f:(A \rightarrow B). (f \circ \text{Id}) = f$
by ((((((Unfolds “identity compose“ 0)
CollapseTHEN (UnivCD)).)
CollapseTHENM (
Reduce 0)).)
CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n
)) (first_tok :t) inil_term))).

1:

1. $A : \text{Type}$
 2. $B : \text{Type}$
 3. $f : A \rightarrow B$
- $\vdash (\lambda x.f(x)) = f$