Inference at $*$ 1
 of proof for Lemma comp_id_l:

$\vdash \forall A, B$:Type, $f$:$(A \rightarrow B)$. (Id o $f$) = $f$
  by ((Unfolds “identity compose“ 0)
  CollapseTHEN ((Auto_aux (first_nat 1:n
   ) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term)))·

   1:

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