

Inference at *
of proof for Lemma outl_wf:

$\vdash \forall A, B:\text{Type}, x:(A + B). (\uparrow \text{isl}(x)) \Rightarrow (\text{outl}(x) \in A)$
by ((RepD)
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. $x : A + B$
 4. $\uparrow \text{isl}(x)$
- $\vdash \text{outl}(x) \in A$