

Inference at *
of proof for Lemma stable_function_equal:

$\vdash \forall A, B:\text{Type}, f, g:(A \rightarrow B). (\forall x:A. \text{Stable}\{f(x) = g(x)\}) \Rightarrow \text{Stable}\{f = g\}$
by ((Unfold 'stable' 0)
CollapseTHEN ((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. $f : A \rightarrow B$
 4. $g : A \rightarrow B$
 5. $\forall x:A. (\neg\neg(f(x) = g(x))) \Rightarrow (f(x) = g(x))$
 6. $\neg\neg(f = g)$
- $\vdash f = g$