

Inference at * 1 1 1
of proof for Lemma fun_with_inv_is_bij:

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1. A : Type
2. B : Type
3. f : A → B
4. g : B → A
5. (g ∘ f) = Id{A}
6. (f ∘ g) = Id{B}
7. a1 : A
8. a2 : A
9. f(a1) = f(a2)
⊢ a1 = a2
  by ((ApplyFunToHypEquands g 9)
  CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat
  1:n),(first_nat 4:n)) (first_tok :t) inil_term))))

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1:

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10. g(f(a1)) = g(f(a2))
⊢ a1 = a2
.

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