Inference at $*$ 1 1 2 1
 of proof for Lemma fun_with_inv_is_bij:

1. A : Type
2. B : Type
3. f : $A \to B$
4. g : $B \to A$
5. $(g \circ f) = \mathrm{Id}\{A\}$
6. $(f \circ g) = \mathrm{Id}\{B\}$
7. b : B

$\vdash f(g(b)) = b$
 by ((With b (EqHD 6))
 CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat 1:n
 ),(first_nat 4:n)) (first_tok :t) inil_term)))·

 1:

 6. b : B
 7. $(f \circ g)(b) = \mathrm{Id}\{B\}(b)$
 $\vdash f(g(b)) = b$

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_83972_{fun_with_inv_is_bij}1_1_2_1.html