Inference at $*$
of proof for Lemma fun_with_inv_is_bij:

$\vdash \forall A$, B:Type, f:($A \rightarrow B$), g:($B \rightarrow A$). InvFuns(A;B;f;g) $\Rightarrow$ Bij(A;B;f)
by ((UnivCD)
CollapseTHENA ((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 : $A \rightarrow B$
4. g : $B \rightarrow A$
5. InvFuns(A;B;f;g)

$\vdash$ Bij(A;B;f)

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