

Inference at * 1
of proof for Lemma fun_with_inv_is_bij:

1. $A : \text{Type}$
2. $B : \text{Type}$
3. $f : A \rightarrow B$
4. $g : B \rightarrow A$
5. $\text{InvFuns}(A;B;f;g)$

 $\vdash \text{Bij}(A;B;f)$
by D 5

1:

5. $(g \circ f) = \text{Id}\{A\}$
6. $(f \circ g) = \text{Id}\{B\}$

 $\vdash \text{Bij}(A;B;f)$

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