

Inference at *
of proof for Lemma bij_imp_exists_inv:

$\vdash \forall A, B:\text{Type}, f:(A \rightarrow B). \text{Bij}(A;B;f) \Rightarrow (\exists g:B \rightarrow A. \text{InvFuns}(A;B;f;g))$
by ((UnivCD)
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. $\text{Bij}(A;B;f)$
- $\vdash \exists g:B \rightarrow A. \text{InvFuns}(A;B;f;g)$

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