

Inference at *
of proof for Lemma bij_iff_1_1_corr:

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⊢ ∀ A, B : Type. (∃ f : A → B. Bij(A; B; f)) ⇔ 1-1-Corresp(A; B)
  by (((Unfold 'one_one_corr' 0)
    CollapseTHEN (GenUnivCD)).)
  CollapseTHEN (
    (Auto_aux (first_nat 1:n) ((first_nat 1:n), (first_nat 3:n)) (first_tok :t) inil_term)))
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1:

1. $A : \text{Type}$
 2. $B : \text{Type}$
 3. $\exists f : A \rightarrow B. \text{Bij}(A; B; f)$
- $\vdash \exists f : A \rightarrow B. \exists g : B \rightarrow A. \text{InvFuns}(A; B; f; g)$

2:

1. $A : \text{Type}$
 2. $B : \text{Type}$
 3. $\exists f : A \rightarrow B. \exists g : B \rightarrow A. \text{InvFuns}(A; B; f; g)$
- $\vdash \exists f : A \rightarrow B. \text{Bij}(A; B; f)$

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