Inference at $*$
of proof for Lemma bij_iff_1_1_corr:

$\vdash \forall A, B$:Type. $(\exists f{:}A{\to}B.\ \mathrm{Bij}(A;B;f)) \iff$ 1-1-Corresp$(A;B)$
by ((((Unfold ‘one_one_corr‘ 0)
CollapseTHEN (GenUnivCD))$\cdot$)
CollapseTHENA (
(Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term)))$\cdot$

1:

1. A : Type
2. B : Type
3. $\exists f{:}A{\to}B.\ \mathrm{Bij}(A;B;f)$

$\vdash \exists f{:}A{\to}B.\ \exists g{:}B{\to}A.\ \mathrm{InvFuns}(A;B;f;g)$

2:

1. A : Type
2. B : Type
3. $\exists f{:}A{\to}B.\ \exists g{:}B{\to}A.\ \mathrm{InvFuns}(A;B;f;g)$

$\vdash \exists f{:}A{\to}B.\ \mathrm{Bij}(A;B;f)$

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_83754_{bij_iff_1_1_corr}.html