Inference at $*$
of proof for Lemma eq_int_eq_true_elim:

$\vdash \forall i, j{:}\mathbb{Z}.\ ((i =_0 j) = \mathrm{tt}) \Rightarrow (i = j)$
by ((UnivCD)
CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n
)) (first_tok :t) inil_term)))·

1:

1. $i : \mathbb{Z}$
2. $j : \mathbb{Z}$
3. $(i =_0 j) = \mathrm{tt}$

$\vdash i = j$

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_87679_{eq_int_eq_true_elim}.html