Inference at $*$
of proof for Lemma decidable_equal_bool:

$\vdash \forall a, b{:}\mathbb{B}.\ \mathrm{Dec}(a = b)$
by ((UnivCD)
CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n
)) (first_tok :t) inil_term)))·

1:

1. $a : \mathbb{B}$
2. $b : \mathbb{B}$
$\vdash \mathrm{Dec}(a = b)$

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_90665_{decidable_equal_bool}.html