Inference at $*$
 of proof for Lemma inconsistent-bool-eq3:

$\vdash \forall b{:}\mathbb{B}.\ (b = (\neg_b b)) \Longleftrightarrow \text{False}$
  by ((((D (0)$\cdot$)
CollapseTHENA (Auto$\cdot$))$\cdot$)
  CollapseTHEN (AutoBoolCase b))$\cdot$

1:

1. $b : \mathbb{B}$
2. $\uparrow b$
$\vdash$ (tt = ff) $\Longleftrightarrow$ False

2:

1. $b : \mathbb{B}$
2. $\neg(\uparrow b)$
$\vdash$ (ff = tt) $\Longleftrightarrow$ False

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