

Inference at * 1
of proof for Lemma bool_cases_sqeual:

1. $b : \mathbb{B}$
 $\vdash (b \sim \text{tt}) \vee (b \sim \text{ff})$
by (((((((D 1)
CollapseTHEN (D 1)).)
CollapseTHEN (Thin 1)).)
CollapseTHEN (
Unfolds “btrue bfalse“ 0)).)
CollapseTHEN (Fold ‘it’ 0)).

1:

(no hyps)
 $\vdash ((\text{inl } \cdot) \sim (\text{inl } \cdot)) \vee ((\text{inl } \cdot) \sim (\text{inr } \cdot))$

2:

(no hyps)
 $\vdash ((\text{inr } \cdot) \sim (\text{inl } \cdot)) \vee ((\text{inr } \cdot) \sim (\text{inr } \cdot))$

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