

Inference at \* 1  
of proof for Lemma decidable\_assert:

1.  $b : \mathbb{B}$   
 $\vdash (\uparrow b) \vee (\neg(\uparrow b))$   
by BoolInd 1

1:

(no hyps)  
 $\vdash (\uparrow \text{tt}) \vee (\neg(\uparrow \text{tt}))$

2:

(no hyps)  
 $\vdash (\uparrow \text{ff}) \vee (\neg(\uparrow \text{ff}))$

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