

Inference at \*  
of proof for Lemma assert\_of\_bimplies:

$\vdash \forall p, q:\mathbb{B}. (\uparrow(p \Rightarrow_b q)) \iff ((\uparrow p) \Rightarrow (\uparrow q))$   
by ((((((RepeatMFor 2 (D 0))  
CollapseTHENM (BoolEval)).)  
CollapseTHENM (AbReduce 0))  
.)  
CollapseTHEN ((Auto\_aux (first\_nat 1:n) ((first\_nat 1:n),(first\_nat 3:n  
)) (first\_tok :t) inil\_term))))).

1:

1. True  $\Rightarrow$  False  
 $\vdash$  False

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