

Inference at \* 1  
of proof for Lemma assert\_of\_eq\_bool:

1.  $p : \mathbb{B}$   
2.  $q : \mathbb{B}$   
 $\vdash (\uparrow p =_b q) \iff (p = q)$   
by Unfold 'eq\_bool' 0

1:

$\vdash (\uparrow((p \wedge_b q) \vee_b((\neg_b p) \wedge_b (\neg_b q)))) \iff (p = q)$

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