

Inference at * 1
of proof for Lemma assert_of_bor:

1. $p : \mathbb{B}$

2. $q : \mathbb{B}$

$\vdash (\uparrow(p \vee_b q)) \iff ((\uparrow p) \vee (\uparrow q))$

by (((OnHyps [2;1] BoolInd)

CollapseTHEN (Rewrite

(UnfoldC 'bor'

ORTHENC HigherC ifthenelse_evalC

ORTHENC HigherC assert_evalC)

0)).)

CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t
) inil_term))).

1:

1. True

$\vdash \text{True} \vee \text{True}$

2:

1. True

$\vdash \text{False} \vee \text{True}$

3:

1. True

$\vdash \text{True} \vee \text{False}$

4:

1. $\text{False} \vee \text{False}$

$\vdash \text{False}$

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