Inference at $*$ 1
of proof for Lemma eqff_to_assert:

1. $b : \mathbb{B}$
2. $b = \mathrm{ff}$
$\vdash \uparrow(\neg_b b)$
by BoolInd 1

1:

1. $\mathrm{tt} = \mathrm{ff}$
$\vdash \uparrow(\neg_b \mathrm{tt})$

2:

1. $\mathrm{ff} = \mathrm{ff}$
$\vdash \uparrow(\neg_b \mathrm{ff})$

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_89859_{eqff_to_assert}1.html