Inference at $*$ 2
 of proof for Lemma eqff_to_assert:

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

  1:

    1. $\uparrow(\neg_b \mathrm{tt})$
    $\vdash$ $\mathrm{tt} = \mathrm{ff}$
  2:

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