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

1. $b : \mathbb{B}$
2. $\uparrow b$
$\vdash b = \text{tt}$
  by BoolInd 1

  1:

    1. $\uparrow \text{tt}$
    $\vdash \text{tt} = \text{tt}$
  2:

    1. $\uparrow \text{ff}$
    $\vdash \text{ff} = \text{tt}$
  .