

Inference at * 1
of proof for Lemma bool_ind:

1. $P : \mathbb{B} \rightarrow \mathbb{P}$
2. $P(\text{ff})$
3. $P(\text{tt})$
4. $b : \mathbb{B}$

$\vdash P(b)$
by ((BoolInd 4)
CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat
4:n)) (first_tok :t) inil_term))).