

Inference at *
of proof for Lemma bool_ind:

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⊢∀P:(ℕ → ℙ). P(ff) ⇒ P(tt) ⇒ {∀b:ℕ. P(b)}  
by (((Unfold 'guard' 0)  
CollapseTHEN (UnivCD)).)  
CollapseTHENA (  
  (Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term))).
```

1:

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