

Inference at \*  
of proof for Lemma ite\_rw\_true:

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⊢∀T:Type, b:ℤ, x,y:T. (↑b) ⇒ (if b then x else y fi = x)
  by InteriorProof (((RepD)
  CollapseTHENM (SplitOnConclITE)).)
  CollapseTHEN (
    (Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok
    :t) inil_term))).
```