Inference at $*$ 1 1 1 1
 of proof for Lemma bool_sq:

1. x : ?Unit
2. y : ?Unit
3. $x = y$
4. case x of inl(x) => x | inr(x) => x = case y of inl(x) => x | inr(x) => x
5. case x of inl(x) => True | inr(x) => False = case y of inl(x) => True | inr(x) => False
6. True = False

⊢False
  by ((RevHypSubst (-1) 0)
  CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n
    ),(first_nat 4:n)) (first_tok :t) inil_term)))·

    .

---

http://www.nuprl.org/FDLcontent/p0_942988_/p121_87107_{bool_sq}1_1_1_1.html