

Inference at * 1 1
of proof for Lemma ifthenelse_wf:

```
1. b : ?Unit
2. A : Type
3. p : A
4. q : A
⊢ case b of inl() => p | inr() => q ∈ A
  by (((D 1)
    CollapseTHEN (Reduce 0)).)
    CollapseTHEN ((Auto_aux (first_nat 1:n
      ) ((first_nat 1:n),(first_nat 4:n)) (first_tok :t) inl_term))).
.
```