

Inference at * 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
⊢ x ~ y
  by Assert ¬(True = False)

```

1:assertion..... NILNIL

⊢ ¬(True = False)

2:

6. ¬(True = False)

⊢ x ~ y

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