

Inference at *
of proof for Lemma strict_part_irrefl:

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⊢∀T:Type, R:(T→T→ ℙ), a, b:T. strict_part(x,y.R(x,y);a;b) ⇒ (¬(a = b))
  by ((Unfolds “not strict_part“ 0)
    CollapseTHEN (((RepD)
    CollapseTHEN (
      (Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term))))
  )).

```

1:

1. $T : \text{Type}$
 2. $R : T \rightarrow T \rightarrow \mathbb{P}$
 3. $a : T$
 4. $b : T$
 5. $R(a,b)$
 6. $\neg R(b,a)$
 7. $a = b$
- ⊢ False

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