

Inference at * 2
of proof for Lemma trans_imp_sp_trans_a:

```

1. T : Type
2. R : T → T → ℙ
3. ∀ a, b, c:T. R(a,b) ⇒ R(b,c) ⇒ R(a,c)
4. a : T
5. b : T
6. c : T
7. R(a,b)
8. R(b,c)
9. ¬R(c,b)
⊢ ¬R(c,a)
  by (((D 0)
CollapseTHENM (D 9)).)
CollapseTHENA ((Auto_aux (first_nat 1:n
) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term)))

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1:

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9. R(c,a)
⊢ R(c,b)
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