

Inference at * 2 1
of proof for Lemma trans_imp_sp_trans_a:

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1. T : Type
2. R : T → T →  $\mathbb{P}$ 
3.  $\forall a, b, c:T. R(a,b) \Rightarrow R(b,c) \Rightarrow R(a,c)$ 
4. a : T
5. b : T
6. c : T
7. R(a,b)
8. R(b,c)
9. R(c,a)
 $\vdash R(c,b)$ 
  by ((FHyp 3 [9;7])
  CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n
    ),(first_nat 4:n)) (first_tok :t) inil_term))))
.

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