Inference at $*$ 3
 of proof for Lemma symmetrized_preorder:

1. T : Type
2. R : $T \to T \to \mathbb{P}$
3. Refl(T;x,y.$R(x,y)$)
4. Trans(T;x,y.$R(x,y)$)
$\vdash$ Trans(T;a,b.$R(a,b)$ & $R(b,a)$)
 by ((OnCls [4;0] (Unfold ‘trans‘))
 CollapseTHEN ((Auto_aux (first_nat 1:n
) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term)))·

 1:

 4. $\forall a, b, c{:}T.\ R(a,b) \Rightarrow R(b,c) \Rightarrow R(a,c)$
 5. a : T
 6. b : T
 7. c : T
 8. $R(a,b)$
 9. $R(b,a)$
 10. $R(b,c)$
 11. $R(c,b)$
 $\vdash$ $R(a,c)$
 2:

 4. $\forall a, b, c{:}T.\ R(a,b) \Rightarrow R(b,c) \Rightarrow R(a,c)$
 5. a : T
 6. b : T
 7. c : T
 8. $R(a,b)$
 9. $R(b,a)$
 10. $R(b,c)$
 11. $R(c,b)$
 $\vdash$ $R(c,a)$
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