

Inference at \*  
of proof for Lemma trans\_wf:

$\vdash \forall T:\text{Type}, E:(T \rightarrow T \rightarrow \mathbb{P}). \text{Trans}(T;x,y.E(x,y)) \in \mathbb{P}$   
by ((Unfold 'trans' 0)  
CollapseTHEN ((Auto\_aux (first\_nat 1:n) ((first\_nat 1:n  
(first\_nat 3:n)) (first\_tok :t) inil\_term))))).