

Inference at \*  
of proof for Lemma and\_false\_r:

$\vdash \forall A:\mathbb{P}. (A \ \& \ \text{False}) \iff \text{False}$   
by (((RepD)  
CollapseTHENM (ProveProp1)).)  
CollapseTHENA ((Auto\_aux (first\_nat 1:n  
) ((first\_nat 1:n),(first\_nat 3:n)) (first\_tok :t) inil\_term))).