

Inference at \*  
of proof for Lemma `xmiddle_wf`:

$\vdash \text{XM} \in \mathbb{P}'$   
by ((Unfold 'xmiddle' 0)  
CollapseTHEN ((Auto\_aux (first\_nat 1:n) ((first\_nat 1:n  
(first\_nat 3:n)) (first\_tok :t) inil\_term))))).