

Inference at \*  
of proof for Lemma not\_functionality\_wrt\_implies:

```
⊢∀P,Q:ℙ. {P ⇔ Q} ⇒ {(¬P) ⇒ (¬Q)}  
  by ((((((Unfolds "not guard" 0)  
CollapseTHEN (GenUnivCD)).)  
CollapseTHENM (  
  HypBackchain)).)  
CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat  
3:n)) (first_tok :t) inil_term))).
```