

Inference at \*  
of proof for Lemma assert\_functionality\_wrt\_bimplies:

```
⊢∀u,v:ℬ. (↑(u ⇒b v)) ⇒ {(↑u) ⇒ (↑v)}  
  by ((Unfold 'guard' 0)  
      CollapseTHEN ((((((RepeatMFor 2 (D 0))  
                          CollapseTHENM (  
                            BoolEval)))·)  
                      CollapseTHENM (AbReduce 0)))·)  
      CollapseTHEN ((Auto_aux (first_nat 1:n  
                               ) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term))))·
```