

Inference at *
of proof for Lemma do-apply-p-co-restrict:

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⊢ ∀A, B:Type, f:(A→(B + Top)), P:(A→ ℙ), p:(∀x:A. Dec(P(x))), x:A.  
  (↑can-apply(p-co-restrict(f;p);x)) ⇒ (do-apply(p-co-restrict(f;p);x) = do-apply(f;x))  
  by (((Unfold 'p-co-restrict' 0)  
CollapseTHEN (((Auto·)  
CollapseTHEN ((((  
  RWO "do-apply-compose" 0)  
THEN (Auto·))·)  
CollapseTHEN ((((  
  RWO "can-apply-compose-iff" (-1))  
THEN (Auto·))·)  
CollapseTHEN (((  
  RWO "do-apply-p-co-filter" 0)  
THEN (Auto·))·))·))·))·))·)  
CollapseTHEN (((  
  All (RWO "do-apply-p-co-filter"))  
CollapseTHEN (Auto·))·).
```