

Inference at \*  
of proof for Lemma p-co-restrict\_wf:

$\vdash \forall A, B:\text{Type}, f:(A \rightarrow (B + \text{Top})), P:(A \rightarrow \mathbb{P}), p:(\forall x:A. \text{Dec}(P(x))).$   
  p-co-restrict( $f;p$ )  $\in A \rightarrow (B + \text{Top})$   
  by ((Unfold 'p-co-restrict' 0)  
CollapseTHEN (Auto.)).