

Inference at * 1
of proof for Lemma can-apply-p-co-filter:

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1.  $T : \text{Type}$ 
2.  $P : T \rightarrow \mathbb{P}$ 
3.  $f : \forall x:T. \text{Dec}(P(x))$ 
4.  $x : T$ 
 $\vdash (\uparrow \text{isl}(\text{case } f(x) \text{ of } \text{inl}(p) => \text{inr } p \mid \text{inr}(p) => \text{inl } x )) \iff (\neg P(x))$ 
  by (((GenConcl  $f(x) = z$ )
CollapseTHEN (Auto·))·)
CollapseTHEN (((D (-2)·)

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  CollapseTHEN (((Reduce 0)
CollapseTHEN (Auto·))·))·)·

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