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

1. T : Type
2. P : $T \to \mathbb{P}$
3. f : $\forall x{:}T.\ \mathrm{Dec}(P(x))$
4. x : T

$\vdash$ ($\uparrow$isl(case $f(x)$ of inl(p) => inl x | inr(p) => inr p)) $\iff$ $P(x)$
by ((((GenConcl $f(x) = z$)
CollapseTHENA (Auto$\cdot$))$\cdot$)
CollapseTHEN (((D (-2)$\cdot$)

CollapseTHEN (((Reduce 0)
CollapseTHEN (Auto$\cdot$))$\cdot$))$\cdot$))$\cdot$

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