

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

1. $A : \text{Type}$
2. $B : \text{Type}$
3. $P : A \rightarrow \mathbb{P}$
4. $d : x:A \rightarrow \text{Dec}(P(x))$
5. $f : \{x:A \mid P(x)\} \rightarrow B$
6. $x : A$

$\vdash (\uparrow \text{isl}(\text{case } d(x) \text{ of } \text{inl}(a) \Rightarrow \text{inl}(f(x)) \mid \text{inr}(a) \Rightarrow \text{inr } a)) \iff P(x)$
by ((GenConclAtAddr [1;1;1;1])
CollapseTHEN (Auto·)·)
CollapseTHEN ((D (-2)·)

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