

Inference at * 1
of proof for Lemma p-lift_wf:

....subterm.... T:t1:n

1. $A : \text{Type}$
 2. $B : \text{Type}$
 3. $P : A \rightarrow \mathbb{P}$
 4. $d : x:A \rightarrow \text{Dec}(P(x))$
 5. $\{x:A \mid P(x)\} \rightarrow B$
 6. $x : A$
- $\vdash d(x) \in (P(x) + (\neg P(x)))$
by (Fold 'or' 0)
CollapseTHEN ((Fold 'decidable' 0)
CollapseTHEN (Auto·)).