Inference at $*$
of proof for Lemma decidable_functionality:

$\vdash \forall P, Q{:}\mathbb{P}.\ (P \iff Q) \Rightarrow (\mathrm{Dec}(P) \iff \mathrm{Dec}(Q))$
by ((GenUnivCD)
CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term)))·

1:

1. $P : \mathbb{P}$
2. $Q : \mathbb{P}$
3. $P \iff Q$
4. $\mathrm{Dec}(P)$

$\vdash \mathrm{Dec}(Q)$

2:

1. $P : \mathbb{P}$
2. $Q : \mathbb{P}$
3. $P \iff Q$
4. $\mathrm{Dec}(Q)$

$\vdash \mathrm{Dec}(P)$

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_99290_{decidable_functionality}.html