Inference at $*$ 1 2
 of proof for Lemma decidable_implies:

1. $P : \mathbb{P}$
2. $Q : \mathbb{P}$
3. P
4. $\neg Q$

$\vdash (P \Rightarrow Q) \vee (\neg(P \Rightarrow Q))$

 by InteriorProof ((((DNth 2 0)
 CollapseTHENM (D 0))·)
 CollapseTHEN (
 (Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok
 :t) inil_term)))·

 1:

 5. $P \Rightarrow Q$

 $\vdash$ False

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