Inference at * 1 of proof for Lemma decidable_implies:

```
1. P: \mathbb{P}
2. \ Q: \mathbb{P}
3. P \vee (\neg P)
\begin{array}{l} 4.\ Q \lor (\neg Q) \\ \vdash (P \Rightarrow Q) \lor (\neg (P \Rightarrow Q)) \end{array}
  by ((D 3)
  CollapseTHEN (D 4))⋅
      1:
           3. P
          \vdash (P \Rightarrow Q) \lor (\neg(P \Rightarrow Q))
           3. P
          \begin{array}{l} 4. \ \neg Q \\ \vdash (P \Rightarrow Q) \lor (\neg (P \Rightarrow Q)) \end{array}
           3. \neg P
           4. Q
          \vdash (P \Rightarrow Q) \lor (\neg(P \Rightarrow Q))
           3. \neg P
           4. \neg Q
          \vdash (P \Rightarrow Q) \lor (\neg (P \Rightarrow Q))
```