Inference at $*$ 1 2 0
of proof for Lemma iff_preserves_decidability:

1. $A : \mathbb{P}$
2. $B : \mathbb{P}$
3. $\neg A$
4. $A \iff B$

$\vdash B \vee (\neg B)$
by PERMUTE{1:n, 2:n, 2:n}

1:

5. B

$\vdash$ False

2: . . . . .wf. . . . . NILNIL

$\vdash B \in \mathbb{P}$

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_102437_{iff_preserves_decidability}1_2_0.html