

Inference at \* 1  
of proof for Lemma dcd-r-to-bool-equivalence:

1.  $P : \mathbb{P}$
  2.  $d : \text{Dec}(P)$
  3.  $\uparrow[d]_b$
- $\vdash P$   
by Unfold 'decidable' ( 2).

1:

2.  $d : P \vee (\neg P)$
  3.  $\uparrow[d]_b$
- $\vdash P$
- .