Inference at * 1 2 2
 of proof for Lemma wellfounded_functionality_wrt_iff:

1. $T_1$ : Type
2. $T_2$ : Type
3. $r_1$ : $T_1 \to T_1 \to \mathbb{P}$
4. $r_2$ : $T_2 \to T_2 \to \mathbb{P}$
5. $T_1 = T_2$
6. $\forall x, y{:}T_1.\ r_1(x,y) \iff r_2(x,y)$

$\vdash \forall x, y{:}T_2.\ \{r_2(x,y) \Leftarrow r_1(x,y)\}$

 by ((((((Unfold 'guard' 0)
 CollapseTHENM (UnivCD))·)
 CollapseTHENM (BackThruHyp 6))·
  )
 CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n
  )) (first_tok :t) inil_term)))·

  .