

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

1. $T_1 : \text{Type}$
 2. $T_2 : \text{Type}$
 3. $r_1 : T_1 \rightarrow T_1 \rightarrow \mathbb{P}$
 4. $r_2 : T_2 \rightarrow T_2 \rightarrow \mathbb{P}$
 5. $T_1 = T_2$
 6. $\forall x, y : T_1. r_1(x, y) \iff r_2(x, y)$
- $\vdash T_1 = T_2$
by (Auto_aux (first_nat 1:n) ((first_nat 1:n), (first_nat 4:n)) (first_tok :t) inil_term)