Inference at $*$
of proof for Lemma inv_image_ind_tp:

$\vdash \forall T$:Type, r:($T \to T \to \mathbb{P}$), S:Type, f:($S \to T$).
WellFnd{i}(T;x,y.$r(x,y)$) $\Rightarrow$ WellFnd{i}(S;x,y.$r(f(x),f(y))$)
by ((UnivCD)
CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n
)) (first_tok :t) inil_term)))·

1:

1. T : Type
2. r : $T \to T \to \mathbb{P}$
3. S : Type
4. f : $S \to T$
5. WellFnd{i}(T;x,y.$r(x,y)$)

$\vdash$ WellFnd{i}(S;x,y.$r(f(x),f(y))$)

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http://www.nuprl.org/FDLcontent/p0_359040_/p121_96841_{inv_image_ind_tp}.html