

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

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1.  $T : \text{Type}$ 
2.  $r : T \rightarrow T \rightarrow \mathbb{P}$ 
3.  $S : \text{Type}$ 
4.  $f : S \rightarrow T$ 
5.  $\text{WellFnd}\{i\}(T; x, y. r(x, y))$ 
6.  $P : S \rightarrow \mathbb{P}$ 
7.  $\forall j : S. (\forall k : S. r(f(k), f(j)) \Rightarrow P(k)) \Rightarrow P(j)$ 
8.  $n : S$ 
 $\vdash P(n)$ 
  by (PushArgs
    ['f', term_to_arg f
    ; 'T', term_to_arg T
    ; 'n', var_to_arg 'n'

    ; 'nn', var_to_arg 'nn'
    ; 'S', term_to_arg S
    ; 'i', int_to_arg 8

    ; 'RangeIndTac', tactic_text_to_arg (itext_term "(WFndHypInd 5 (-1))")
  ])
1:
 $\vdash P(n)$ 
.
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