

Inference at * 1 1 1 1 2
of proof for Lemma inv_image_ind.a:

```
1. T : Type
2. r : T → T → ℙ
3. S : Type
4. f : S → T
5. WellFnd{i}(T;x,y.r(x,y))
6. P : S → ℙ
7. ∀j:S. (∀k:S. r(f(k),f(j)) ⇒ P(k)) ⇒ P(j)
8. y : S
9. ∀y':S. r(f(y'),f(y)) ⇒ P(y')
⊢ P(y)
  by (% Desired main subgoal with inductive hyp 9 %)
((B Hyp 7)
 CollapseTHEN (
   (Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 4:n)) (first_tok :t) inil.term)))
 )
```