

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

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1. i : ℕ
2. f : {f | i:{i1:ℕ | i1 < i} → if (i =0 0) then ℤ else {f(i - 1)...} fi }
3. j : ℕ
4. ∀j1:ℕ. (j1 < j) ⇒ (j1 < i) ⇒ (f(j1) ∈ ℤ)
5. j < i
⊢ f(j) ∈ ℤ
  by ((With j (D 2))
    THENW ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n
      )) (first_tok :t) inil_term)))·

1:

6. y : if (j =0 0) then ℤ else {f(j - 1)...} fi
7. y = f(j)
⊢ f(j) ∈ ℤ
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