

Inference at * 1 1 1 0
of proof for Lemma fincr_formation:

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1. P : ℕ → ℙ1
2. ∀j:ℕ. (∀k:ℕ. (k < j) ⇒ (P(k))) ⇒ (P(j))
3. n : ℕ
⊢ P(n)
  by (%S%
\p. let i = var_of_hyp (get_int_arg 'hn' p) p in

```

```

    let z = get_distinct_var 'zz' p in
  Assert
  (mk_all_term z ℕ
    (
mk_all_term i ℕ
      (mk_implies_term
        (mk_less_than_term (mvt i) (
mvt z))
        (concl p))))
    p)

```

1:assertion..... NILNIL

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⊢ ∀zz, n:ℕ. (n < zz) ⇒ (P(n))
2:

```

```

4. ∀zz, n:ℕ. (n < zz) ⇒ (P(n))
⊢ P(n)
.

```