Inference at $*$ 1 3 1 0 2
 of proof for Lemma fincr_wf2:

1. $P : \mathbb{N} \to \mathbb{P}_1$
2. $\forall j$:$\mathbb{N}$. $(\forall k$:$\mathbb{N}$. $(k < j) \Rightarrow (P(k))) \Rightarrow (P(j))$
3. $n : \mathbb{N}$
4. $\forall zz$, n:$\mathbb{N}$. $(n < zz) \Rightarrow (P(n))$

$\vdash P(n)$

```
 by (\p.let i = mvt (var_of_hyp (-2) p) in
  let ip1 = mk_add_term i 1 in
  ((
 DTerm ip1 (-1))
 CollapseTHENM (DTerm i (-1)))· p)
```

1: . . . . .wf. . . . . NILNIL

3. $n : \mathbb{N}$

$\vdash n{+}1 \in \mathbb{N}$

2: . . . . .wf. . . . . NILNIL

3. $n : \mathbb{N}$

$\vdash n \in \mathbb{N}$

3:

4. $(n < (n{+}1)) \Rightarrow (P(n))$

$\vdash P(n)$

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