

Inference at * 1 3 1 0 1 1 1
of proof for Lemma fincr_wf:

1. $P : \mathbb{N} \rightarrow \mathbb{P}_1$
 2. $\forall j:\mathbb{N}. (\forall k:\mathbb{N}. (k < j) \Rightarrow (P(k))) \Rightarrow (P(j))$
 3. $zz : \mathbb{N}$
- $\vdash \forall n:\mathbb{N}. (n < zz) \Rightarrow (P(n))$
by InteriorProof (NatInd (-1))
- 1:basecase..... NILNIL
2. $\forall j:\mathbb{N}. (\forall k:\mathbb{N}. (k < j) \Rightarrow (P(k))) \Rightarrow (P(j))$
- $\vdash \forall n:\mathbb{N}. (n < 0) \Rightarrow (P(n))$
- 2:upcase..... NILNIL
3. $zz : \mathbb{Z}$
 4. $0 < zz$
 5. $\forall n:\mathbb{N}. (n < (zz - 1)) \Rightarrow (P(n))$
- $\vdash \forall n:\mathbb{N}. (n < zz) \Rightarrow (P(n))$
- .