Inference at $*$
of proof for Lemma fincr_wf:

$\vdash$ FIncr $\in$ Type
by Unfold ‘fincr‘ 0

1:

$\vdash$ $\{f \mid i{:}\mathbb{N} \rightarrow$ if $(i =_0 0)$ then $\mathbb{Z}$ else $\{f(i - 1)\ldots\}$ fi $\} \in$ Type
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http://www.nuprl.org/FDLcontent/p0_942988_/p121_83564_{fincr_wf}.html