Inference at $*$
of proof for Lemma int_iseg_properties:

$\vdash \forall i, j{:}\mathbb{Z}, y{:}\{i \ldots j\}.\ (i \leq y)\ \&\ (y \leq j)$
by ProvePropertiesLemma

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_94797_{int_iseg_properties}.html