Inference at $*$
of proof for Lemma imax_lb:

$\vdash \forall a, b, c{:}\mathbb{Z}.\ (\text{imax}(a;b) \leq c) \iff \{(a \leq c)\ \&\ (b \leq c)\}$
by InteriorProof (((((((UnivCD)
CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat
1:n),(first_nat 3:n)) (first_tok :t) inil_term)))·)
CollapseTHEN (
Unfolds "imax guard" 0))·)
CollapseTHEN (SplitOnConclITE))·)

CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 2:n),(first_nat
3:n)) (first_tok SupInf:t) inil_term)))·

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_72516_{imax_lb}.html