

Inference at \*  
of proof for Lemma comb\_for\_imax\_wf:

$\vdash (\lambda a, b, z. \text{imax}(a; b)) \in \mathbb{Z} \rightarrow \mathbb{Z} \rightarrow (\downarrow \text{True}) \rightarrow \mathbb{Z}$   
by (ProveOpCombinatorTyping (Auto\_aux (first\_nat 1:n) ((first\_nat 1:n), (first\_nat 3:n)) (first\_tok :t) inil\_term)) 'imax\_wf'

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