Inference at $*$
of proof for Lemma mul_bounds_1a:

$\vdash \forall a, b{:}\mathbb{N}.\ 0 \leq (a * b)$
by ((UnivCD)
CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n
)) (first_tok :t) inil_term)))·

1:

1. $a : \mathbb{N}$
2. $b : \mathbb{N}$
$\vdash 0 \leq (a * b)$

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