

Inference at *
of proof for Lemma add_mono_wrt_lt:

$\vdash \forall a, b, n : \mathbb{Z}. (a < b) \iff ((a+n) < (b+n))$
by ((GenUnivCD)
CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat
3:n)) (first_tok :t) inil_term))).

1:

1. $a : \mathbb{Z}$
 2. $b : \mathbb{Z}$
 3. $n : \mathbb{Z}$
 4. $a < b$
- $\vdash (a+n) < (b+n)$

2:

1. $a : \mathbb{Z}$
 2. $b : \mathbb{Z}$
 3. $n : \mathbb{Z}$
 4. $(a+n) < (b+n)$
- $\vdash a < b$

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