

Inference at * 1 2
of proof for Lemma mul_cancel_in_eq:

1. $a : \mathbb{Z}$
2. $b : \mathbb{Z}$
3. $n : \mathbb{Z}^{-\circ}$
4. $\forall m:\mathbb{N}^+. ((m * a) = (m * b)) \Rightarrow (a = b)$
5. $(n * a) = (n * b)$
 $\vdash a = b$
by ((Decide $n > 0$)
CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n
), (first_nat 3:n)) (first_tok :t) inil_term))))).

1:

6. $n > 0$
 $\vdash a = b$

2:

6. $\neg(n > 0)$
 $\vdash a = b$

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