Inference at $*$ 1 2 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. $(n * a) = (n * b)$
6. $\neg(n > 0)$

$\vdash a = b$

by Assert $((\text{-}n) * (\text{-}a)) = ((\text{-}n) * (\text{-}b))$

1: .....assertion..... NILNIL

$\vdash ((\text{-}n) * (\text{-}a)) = ((\text{-}n) * (\text{-}b))$

2:

7. $((\text{-}n) * (\text{-}a)) = ((\text{-}n) * (\text{-}b))$

$\vdash a = b$

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