Inference at $*$ 1 1 1 3
 of proof for Lemma mul_cancel_in_eq:

1. $a : \mathbb{Z}$
2. $b : \mathbb{Z}$
3. $m : \mathbb{N}^+$
4. $(m * a) = (m * b)$
5. $a < b$

$\vdash a = b$

 by ((InstLemma ‘mul_preserves_lt‘ [a;b;m])
 CollapseTHEN ((Auto_aux (first_nat 1:n
) ((first_nat 2:n),(first_nat 3:n)) (first_tok :t) inil_term)))·

 .

---

http://www.nuprl.org/FDLcontent/p0_942988_/p121_75290_{mul_cancel_in_eq}1_1_1_3.html