Inference at $*$ 1 1 1 2
 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 (Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 4:n)) (first_tok :t) inil_term)

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_75290_{mul_cancel_in_eq}1_1_1_2.html