

Inference at \* 1 1 2  
of proof for Lemma mul\_cancel\_in\_le:

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1. a : ℤ
2. b : ℤ
3. n : ℕ+
4. (n * a) ≤ (n * b)
5. (n * a) = (n * b)
⊢ a ≤ b
  by ((FwdThruLemma ‘mul_cancel_in_eq‘ [5])
    CollapseTHEN ((Auto_aux (first_nat 1:n
      ) ((first_nat 2:n),(first_nat 3:n)) (first_tok :t) inil_term))))
.

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