

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

```
1. a : ℤ
2. b : ℤ
3. m : ℕ+
4. (m * a) = (m * b)
5. a = b
⊢ a = b
  by (Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 4:n)) (first_tok :t) inil_term)

.
```