```
mul_bounds_1b  THM

⊢  ∀a,b:ℕ+ . 0<a·b  by Auto
|
1. a : ℕ+
2. b : ℕ+
⊢  0<a·b
| by Inst: Thm* ∀a,b:ℤ, n:ℕ+ . a<b ⇒ n·a<n·b    {mul_preserves_lt}
|    Using:[0 | b | a]
|
3. a·0<a·b
⊢  0<a·b  by Auto
END
```