```
assert_of_lt_int  THM

⊢  ∀x,y:ℤ. x<₂y ⟺ x<y  by GenUnivCD
|
|\
| 1. x : ℤ
| 2. y : ℤ
| 3. x<₂y
| ⊢  x<y  by Decide (x<y)
| |
| |\
| | 4. x<y
| | ⊢  x<y  by Trivial
| |
| .\
| . 4. ¬x<y
| . ⊢  x<y  by Unfold ‘lt_int‘ 3 THEN RWH (ReduceThenC Auto) 3
| . |
| . 3. false₂
| . 4. ¬x<y
| . ⊢  x<y
| .   by AssertLemma Thm* ¬false₂    {assert_of_ff} [] THEN Trivial
|
.\
. 1. x : ℤ
. 2. y : ℤ
. 3. x<y
. ⊢  x<₂y  by Unfold ‘lt_int‘ 0 THEN RWH (ReduceThenC Auto) 0
. |
. ⊢  true₂  by BackThru Thm* true₂    {assert_of_tt}
END
```