```
only_one_nat_divs_one  THM

⊢  ∀b:ℕ. b | 1 ⇒ b = 1  by Auto
|
1. b : ℕ
2. b | 1
⊢  b = 1
| by FwdThru:
|    Thm*  ∀a,b:ℕ. a | b ⟺ (∃c:ℕ. b = a·c)    {divides_def_on_nat}
|    on [ b | 1 ]
|
3. ∃c:ℕ. 1 = b·c
⊢  b = 1  by Analyze-1
|
3. c : ℕ
4. 1 = b·c
⊢  b = 1
  by FwdThru:
     Thm*  ∀x,y:ℕ. x·y = 1 ⟺ x = 1 & y = 1
     {nat_prod_one_iff_factors_one}
     on [ 1 = b·c ] ...ℕ
END
```