```
int_entire_a  THM

⊢  ∀a,b:ℤ. a ≠ 0 ⇒ b ≠ 0 ⇒ a·b ≠ 0  by Auto
|
1. a : ℤ
2. b : ℤ
3. a ≠ 0
4. b ≠ 0
⊢  a·b ≠ 0  by SimilarTo: Hyp:-1
|
4. a·b = 0
⊢  b = 0
  by FwdThru:
     Thm* ∀a,b:ℤ, n:ℤ^-0. n·a = n·b ⇒ a = b    {mul_cancel_in_eq}
     on [ a·b = a·0 ]
END
```