```
int_entire  THM

⊢  ∀a,b:ℤ. a·b = 0 ⇒ a = 0 ∨ b = 0  by Auto
|
1. a : ℤ
2. b : ℤ
3. a·b = 0
⊢  a = 0 ∨ b = 0  by Decide: a = 0
|
4. ¬a = 0
⊢  a = 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
```