```
divides_invar_2  THM

⊢  ∀a,b:ℤ. a | b ⟺ a | -b  by Unfold ‘divides‘ 0 THEN GenUnivCD
|
|\
| 1. a : ℤ
| 2. b : ℤ
| 3. ∃c:ℤ. b = a·c
| ⊢  ∃c:ℤ. -b = a·c  by Analyze 3 THEN DTerm (-c) 0
|
.\
. 1. a : ℤ
. 2. b : ℤ
. 3. ∃c:ℤ. -b = a·c
. ⊢  ∃c:ℤ. b = a·c  by Analyze 3 THEN DTerm (-c) 0
. |
. 3. c : ℤ
. 4. -b = a·c
. ⊢  b = a·(-c)
. | by RWH
. |    (IfIsC b
. |     (RevLemmaC Thm* ∀a:ℤ. -(-a) = a    {minus_minus_cancel}))
. |    0
. |
. ⊢  -(-b) = a·(-c)  by Auto
END
```