```
gcd_p_neg_arg_2  THM

⊢  ∀a,b,y:ℤ. GCD(a;b;y) ⟺ GCD(a;-b;y)  by GenUnivCD
|
|\
| 1. a : ℤ
| 2. b : ℤ
| 3. y : ℤ
| 4. GCD(a;b;y)
| ⊢  GCD(a;-b;y)
|   by BackThru
|      Thm* ∀a,b,y:ℤ. GCD(a;b;y) ⇒ GCD(a;-b;y)    {gcd_p_neg_arg}
|
.\
. 1. a : ℤ
. 2. b : ℤ
. 3. y : ℤ
. 4. GCD(a;-b;y)
. ⊢  GCD(a;b;y)
. | by RWH
. |     (IfIsC b
. |      (RevLemmaC Thm* ∀a:ℤ. -(-a) = a    {minus_minus_cancel}))
. |     0
. |
. ⊢  GCD(a;-(-b);y)
.   by BackThru
.      Thm* ∀a,b,y:ℤ. GCD(a;b;y) ⇒ GCD(a;-b;y)    {gcd_p_neg_arg}
END
```