```
gcd_p_neg_arg_a  THM

⊢  ∀a,b,y:ℤ. GCD(a;b;y) ⇒ GCD(-a;b;y)  by UnivCD
|
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(b;a;y)    {gcd_p_sym})
|    THEN
|    (BackThru
|     Thm* ∀a,b,y:ℤ. GCD(a;b;y) ⇒ GCD(a;-b;y)    {gcd_p_neg_arg})
|    THEN
|    (BackThru
|     Thm* ∀a,b,y:ℤ. GCD(a;b;y) ⇒ GCD(b;a;y)    {gcd_p_sym})
|
⊢  GCD(a;b;y)  by Trivial
END
```