```
imin_add_r  THM

⊢  ∀a,b,c:ℤ. imin(a;b)+c = imin(a+c;b+c)
| by UnivCD
|    THEN
|    (BackThru Thm* ∀i,j:ℤ. i = j ⟺ -i = -j    {minus_mono_wrt_eq})
|    THEN
|    (ArithSimp 0)
|
1. a : ℤ
2. b : ℤ
3. c : ℤ
⊢  -c+-imin(a;b) = -imin(a+c;b+c)
| by (RWH
|     (LemmaC Thm* ∀a,b:ℤ. -imin(a;b) = imax(-a;-b)    {minus_imin})
|     0)
|    THEN
|    (RWN 1 (LemmaC Thm* ∀a,b:ℤ. a+b = b+a    {add_com}) 0)
|
⊢  imax(-a;-b)+-c = imax(-(a+c);-(b+c))
  by RWH
     (LemmaC
      Thm* ∀a,b,c:ℤ. imax(a;b)+c = imax(a+c;b+c)    {imax_add_r})
     0
END
```