```
imin_assoc  THM

⊢  ∀a,b,c:ℤ. imin(a;imin(b;c)) = imin(imin(a;b);c)
| by Auto
|    THEN
|    Rewrite by ∀a,b:ℤ. imin(a;b) = -imax(-a;-b)
|    THEN
|    Rewrite by Thm* ∀a,b:ℤ. -imin(a;b) = imax(-a;-b)    {minus_imin}
|
1. a : ℤ
2. b : ℤ
3. c : ℤ
⊢  -imax(-a;imax(-b;-c)) = -imax(imax(-a;-b);-c)
  by Rewrite by
     Thm* ∀a,b,c:ℤ. imax(a;imax(b;c)) = imax(imax(a;b);c)
     {imax_assoc}
END
```