```
imin_lb  THM

⊢  ∀a,b,c:ℤ. imin(a;b)≤c ⟺ a≤c ∨ b≤c  by UnivCD
|
1. a : ℤ
2. b : ℤ
3. c : ℤ
⊢  imin(a;b)≤c ⟺ a≤c ∨ b≤c  by Decide: a≤b THEN ElimImaxmin Auto 0
|
|\
| 4. a≤b
| ⊢  a≤c ⟺ a≤c ∨ b≤c  by Auto
|
.\
. 4. ¬a≤b
. ⊢  b≤c ⟺ a≤c ∨ b≤c  by Auto
END
```