```
imin_ub  THM

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