```
not_lt_int  THM

⊢  ∀i,j:ℤ. ¬i<₂j ⟺ j≤₂i
  by RewriteOfThm Thm* ∀i,j:ℤ. ¬₂i<₂j = (j≤₂i)    {bnot_of_lt_int}
     (SimpsetC [`bequal`])
     THEN
     Id
     THEN
     Simp
     THEN
     StrongAuto
END
```