```
complete_nat_ind  THM

⊢  ∀P:(ℕ→Prop). (∀i:ℕ. (∀j:ℕi. P(j)) ⇒ P(i)) ⇒ (∀i:ℕ. P(i))
| by Auto
|
1. P : ℕ→Prop
2. ∀i:ℕ. (∀j:ℕi. P(j)) ⇒ P(i)
3. i : ℕ
⊢  P(i)  by NCompInd 3
|
4. ∀i1:ℕi. P(i1)
⊢  P(i)  by BackThru 2
END
```