```
nat_ind  THM

⊢  ∀P:(ℕ→Prop). P(0) ⇒ (∀i:ℕ+. P(i-1) ⇒ P(i)) ⇒ (∀j:ℕ. P(j))
| by Unfold ‘guard‘ 0 THEN UnivCD
|
1. P : ℕ→Prop
2. P(0)
3. ∀i:ℕ+. P(i-1) ⇒ P(i)
4. j : ℕ
⊢  P(j)  by NatInd 4
|
|\
| .....basecase .....
| 3. ∀i:ℕ+. P(i-1) ⇒ P(i)
| ⊢  P(0)  by Auto
|
.\
. .....upcase .....
. 4. j : ℤ
. 5. 0<j
. 6. P(j-1)
. ⊢  P(j)  by BackThru 3
END
```