```
nat_factor_cancel_rw  THM

⊢  ∀a,b:ℕ, n:ℕ+ . n•a≤n•b ⟺ a≤b  by Autoℕ
|
|\
| 1. a : ℕ
| 2. b : ℕ
| 3. n : ℕ+
| 4. n•a≤n•b
| ⊢  a≤b
|   by FwdThru:
|      Thm*  ∀a,b:ℤ, n:ℕ+ . n•a≤n•b ⇒ a≤b    {mul_cancel_in_le}
|      on [ Hyp:-1 ] ...ℕ
|
.\
. 1. a : ℕ
. 2. b : ℕ
. 3. n : ℕ+
. 4. a≤b
. ⊢  n•a≤n•b
.   by BackThru:
.      Thm*  ∀i1,i2,j1,j2:ℕ. i1≤j1 ⇒ i2≤j2 ⇒ i1•i2≤j1•j2
.      {multiply_functionality_wrt_le} ...ℕ
END
```