```
rem_rem_to_rem  THM

⊢  ∀a:ℕ, n:ℕ+. ((a rem n) rem n) = (a rem n)
| by Auto THEN BoundRem Auto 0
|
1. a : ℕ
2. n : ℕ+
3. (a rem n) ∈ ℕn
⊢  ((a rem n) rem n) = (a rem n)
  by Inst: Thm* ∀a:ℕ, n:ℕ+. a<n ⇒ (a rem n) = a    {rem_base_case}
     Using:[a rem n | n]
END
```