```
rem_bounds_1  THM

⊢  ∀a:ℕ, n:ℕ+. 0≤(a rem n) & (a rem n)<n  by UnivCD
|
1. a : ℕ
2. n : ℕ+
⊢  0≤(a rem n) & (a rem n)<n  by remainderBounds1 ;
|
|\
| ⊢  a≥0  by Auto
|
.\
. ⊢  n>0  by Auto
END
```