```
rem_bounds_4  THM

⊢  ∀a:ℕ, n:{...-1}. 0≤(a rem n) & (a rem n)<-n  by UnivCD
|
1. a : ℕ
2. n : {...-1}
⊢  0≤(a rem n) & (a rem n)<-n  by remainderBounds4 ;
|
|\
| ⊢  a≥0  by Auto
|
.\
. ⊢  n<0  by Auto
END
```