```
div_rem_sum  THM

⊢  ∀a:ℤ, n:ℤ⁻⁰. a = (a ÷ n)·n+(a rem n)  by Auto
|
1. a : ℤ
2. n : ℤ⁻⁰
⊢  a = (a ÷ n)·n+(a rem n)  by divideRemainderSum ;
|
|\
| ⊢  a = a  by Auto
|
.\
. ⊢  n ≠ 0  by Auto
END
```