```
rem_to_div  THM

⊢  ∀a:ℤ, n:ℤ⁻⁰. (a rem n) = a-(a ÷ n)·n
  by SimilarTo:
     Thm* ∀a:ℤ, n:ℤ⁻⁰. a = (a ÷ n)·n+(a rem n)    {div_rem_sum}
END
```