```
division_typing2a_sfa  THM

⊢  ∀a:{...0}, n:{...-1}. (a ÷ n) ∈ ℕ  by Auto
|
.....set predicate .....
1. a : {...0}
2. n : {...-1}
⊢  0≤(a ÷ n)
| by Rewrite by
|    Thm* ∀a:{...0}, b:{...-1}. (a ÷ b) = ((-a) ÷ (-b))
|    {div_3_to_1}
|
⊢  0≤((-a) ÷ (-n))
| by Inst: Thm* ∀a:ℕ, n:ℕ+. (a ÷ n) ∈ ℕ    {division_typing1a_sfa}
|    Using:[-a | -n]
|
3. ((-a) ÷ (-n)) ∈ ℕ
⊢  0≤((-a) ÷ (-n))  by Auto
END
```