```
div_base_case  THM

⊢  ∀a:ℕ, n:ℕ+. a<n ⇒ (a ÷ n) = 0  by UnivCD
|
1. a : ℕ
2. n : ℕ+
3. a<n
⊢  (a ÷ n) = 0
| by Using [‘a’,a;‘n’,n]
|     (BackThru
|      Thm* ∀a:ℕ, n:ℕ+, p,q:ℕ. Div(a;n;p) ⇒ Div(a;n;q) ⇒ p = q
|      {div_unique})
|
|\
| ⊢  Div(a;n;a ÷ n)
|   by BackThru
|       Thm* ∀a:ℕ, n:ℕ+. Div(a;n;a ÷ n)    {div_fun_sat_div_nrel}
|
.\
. ⊢  Div(a;n;0)  by Unfold ‘div_nrel‘ 0 THEN Analyze 0
END
```