```
exp_wf  THM

⊢  ∀m,n:ℕ. exp(m;n) ∈ ℕ  by RepD
|
1. m : ℕ
2. n : ℕ
⊢  exp(m;n) ∈ ℕ  by NInd 2 THEN Try (Complete Auto)
|
|\
| .....basecase .....
| 1. m : ℕ
| ⊢  exp(m;0) ∈ ℕ  by RecUnfold ‘exp‘ 0 THEN RepeatFor 2 Simp
|
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. .....upcase .....
. 1. m : ℕ
. 2. n : ℤ
. 3. 0<n
. 4. exp(m;n-1) ∈ ℕ
. ⊢  exp(m;n) ∈ ℕ
.   by RecUnfold ‘exp‘ 0 THEN BifCase THEN StrongAuto
.      THEN
.      Try (Complete (Unfold ‘label‘ 0))
END
```