```
hfact_wd  THM

⊢  and
|  (equal(fact(0),1)
|  ,all(λn:hnum. equal(fact(suc(n)),mult(suc(n),fact(n)))))
| by HN THEN StrongAuto THEN Try (Complete (Unfold ‘label‘ 0))
|
1. n : ℕ
⊢  fact(n+1) = (n+1)·fact(n)
| by Assert (n+1>0) THEN Simp THEN Try (Complete Auto)
|
1. n : ℕ
2. n+1>0
⊢  (n+1)·fact(n+1-1) = (n+1)·fact(n)
  by RepeatFor 2 (Try Analyze) THEN StrongAuto
     THEN
     Try (Complete (Unfold ‘label‘ 0))
END
```