```
hflat_wd  THM

⊢  ∀'a:S.
   and
   (equal(flat(nil),nil)
   ,all
    (λh:hlist('a). all
                   (λt:hlist(hlist('a)). equal
                                         (flat(cons(h,t))
                                         ,append(h,flat(t))))))
  by HN THEN StrongAuto THEN Try (Complete (Unfold `label` 0))
END
```