```
hsub_wd  THM

⊢  and
|  (all(λm:hnum. equal(sub(0,m),0))
|  ,all
|   (λm:hnum. all
|              (λn:hnum. equal
|                         (sub(suc(m),n)
|                         ,cond(lt(m,n),0,suc(sub(m,n)))))))
| by HN THEN Unab [‘nnsub‘] THEN Simp
|
|\
| 1. m : ℕ
| ⊢  if 0<₂m then 0 else 0-m fi  = 0  by BifCase THEN Simp
|
.\
. 1. m : ℕ
. 2. n : ℕ
. ⊢  if m+1<₂n then 0 else m+1-n fi
.    =
.    if m<₂n then 0 else if m<₂n then 0 else m-n fi +1 fi
.   by RepeatFor 2 (BifCase THEN Simp THEN Try (Complete Auto))
END
```