```
w-after_wf  THM

⊢  ∀the_w:World, x:Id, e:E. (x after e) ∈ vartype(loc(e);x)
| by Auto
|    THEN
|    Inst
|    Thm* ∀the_w:World, i:Id, t:ℕ, x:Id. s(i;t).x ∈ vartype(i;x)
|    {w_DASH_s_wf}
|    [the_w;loc(e);time(e)+1;x]
|    THEN
|    NthHypSq -1
|    THEN
|    Analyze
|    THEN
|    Try Trivial
|
1. the_w : World
2. x : Id
3. e : E
4. s(loc(e);time(e)+1).x ∈ vartype(loc(e);x)
⊢  (x after e) ∼ s(loc(e);time(e)+1).x
  by Unfolds [‘w-after‘;‘w-loc‘;‘w-time‘] 0
END
```