```
w-first_wf  THM

⊢  ∀the_w:World, e:E. first(e) ∈ 𝔹
  by Auto THEN Analyze -1 THEN Analyze -2
     THEN
     BackThru
     Thm* ∀the_w:World, i:Id, t:ℕ. first(<i,t>) ∈ 𝔹
     {w_DASH_first_DASH_aux}
END
```