```
fpf-dom-list_wf  THM

⊢  ∀A:Type, eq:EqDecider(A), f:a:A fp-> Top.
   fpf-dom-list(f) ∈ {a:A| a ∈ dom(f) } List
  by Auto THEN DVar ‘f’ THEN Unfolds [‘fpf-dom-list‘;‘fpf-dom‘] 0
     THEN
     Reduce 0
     THEN
     Inst
     Thm* ∀T:Type, L:T List. L ∈ {x:T| (x ∈ L) } List
     {list_DASH_set_DASH_type}
     [A;d]
     THEN
     DoSubsume
     THEN
     UseSubtypeRelLemmas
     THEN
     Analyze 0
     THEN
     Analyze -1
     THEN
     Analyze
     THEN
     RWO
     Thm* ∀eq:EqDecider(A), L:A List, x:A.
          deq-member(eq;x;L) ⟺ (x ∈ L)
     {assert_DASH_deq_DASH_member}
     0
END
```