```
fpf-dom_functionality2  THM

⊢  ∀A:Type, eq1,eq2:EqDecider(A), f:a:A fp-> Top, x:A.
   x ∈ dom(f) ⇒ x ∈ dom(f)
  by Unfold `guard` 0
     THEN
     Inst
     Thm* ∀B:(A→Type), eq1,eq2:EqDecider(A), f:a:A fp-> B(a), x:A.
          x ∈ dom(f) = x ∈ dom(f) ∈ 𝔹
     {fpf_DASH_dom_functionality}
     [A;λ2a. Top;eq1;eq2;f;x]
     THEN
     HypSubst -1 0
END
```