```
nsub_surj_least_preimage_works  THM

⊢  ∀f:(ℕa onto→ ℕb), y:ℕb. f(least x:ℕ. f(x)=₂y) = y
  by Analyze
     THEN
     Use:[B:= ℕb | e(i;j):= i=₂j]
     Inst:
     Thm*  ∀e:(B→B→𝔹).
           IsEqFun(B;e)
           ⇒
           (∀a:ℕ, f:(ℕa onto→ B), y:B. f(least x:ℕ. (f(x)) e y) = y)
     {nsub_surj_least_preimage_works_gen}
     THEN
     BackThru: Thm*  IsEqFun(ℕb;λ₂i,j. i=₂j)    {eq_int_is_eq_nsub}
END
```