```
nsub_surj_imp_a_rev_inj2  THM

⊢  (∃∈(ℕa onto→ ℕb)) ⇒ (∃∈(ℕb inj→ ℕa))
| by SimilarTo
|    Thm*  ∀f:(ℕa onto→ ℕb). (λy.least x:ℕ. f(x)=₂y) ∈ ℕb inj→ ℕa
|    {nsub_surj_imp_a_rev_inj}
|
1. b : ℕ
2. a : ℕ
3. ∀f:(ℕa onto→ ℕb). (λy.least x:ℕ. f(x)=₂y) ∈ ℕb inj→ ℕa
4. ∃∈(ℕa onto→ ℕb)
⊢  ∃∈(ℕb inj→ ℕa)  by Rename4: f THEN Witness3: f
|
4. f : ∃∈(ℕa onto→ ℕb)
5. (λy.least x:ℕ. f(x)=₂y) ∈ ℕb inj→ ℕa
⊢  ∃∈(ℕb inj→ ℕa)  by UseWitness (λy.least x:ℕ. f(x)=₂y)
END
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