```
least_wf2  THM

⊢  ∀p:{p:(ℕ→𝔹)| ∃i:ℕ. p(i) }. (least i:ℕ. p(i)) ∈ ℕ
| by SimilarTo:
|    Thm*  ∀p:{p:(ℕ→𝔹)| ∃i:ℕ. p(i) }.
|           (least i:ℕ. p(i)) ∈ {i:ℕ| p(i) & (∀j:ℕ. j<i ⇒ ¬p(j)) }
|    {least_characterized2}
|
1. p : {p:(ℕ→𝔹)| ∃i:ℕ. p(i) }
2. (least i:ℕ. p(i)) ∈ {i:ℕ| p(i) & (∀j:ℕ. j<i ⇒ ¬p(j)) }
⊢  (least i:ℕ. p(i)) ∈ ℕ
  by BackThru: {i:ℕ| p(i) & (∀j:ℕ. j<i ⇒ ¬p(j)) } ⊆ ℕ
END
```