```
least_satisfies  THM

⊢  ∀k:ℕ, p:{p:(ℕk→𝔹)| ∃i:ℕk. p(i) }. p(least i:ℕ. p(i))
| by SimilarTo:
|    Thm*  ∀k:ℕ, p:{p:(ℕk→𝔹)| ∃i:ℕk. p(i) }.
|          (least i:ℕ. p(i)) ∈ {i:ℕk| p(i) & (∀j:ℕi. ¬p(j)) }
|    {least_characterized}
|
1. k : ℕ
2. p : {p:(ℕk→𝔹)| ∃i:ℕk. p(i) }
3. (least i:ℕ. p(i)) ∈ {i:ℕk| p(i) & (∀j:ℕi. ¬p(j)) }
⊢  p(least i:ℕ. p(i))  by Analyze3 THEN Analyze2 THEN Unhide
END
```