```
seq_cons_wf  THM

⊢  ∀A:Type, n:ℕ+, x:A, xs:(ℕ(n-1)→A). [x/ xs] ∈ ℕn→A
| by Def of [x/ xs] THEN Guarding if <bool>→ <*> else <else> fi Auto
|
1. A : Type
2. n : ℕ+
3. x : A
4. xs : ℕ(n-1)→A
5. i : ℕn
⊢  if i=₂0→ x else xs(i-1) fi ∈ A  by SplitITE Concl
END
```