```
disjoint_tail  THM

⊢  ∀eq:(T→T→𝔹), L1,L2:T List, x:T.
|  disjoint(eq;(x.L1);L2) ⇒ disjoint(eq;L1;L2)  by UnivCD
|
1. T : Type
2. eq : T→T→𝔹
3. L1 : T List
4. L2 : T List
5. x : T
6. disjoint(eq;(x.L1);L2)
⊢  disjoint(eq;L1;L2)  by Rewrite (HigherC disjoint_unrollC) 6
|
6. ¬₂x(∈eq) L2 & disjoint(eq;L1;L2)
⊢  disjoint(eq;L1;L2)  by Analyze 6 THEN Trivial
END
```