```
cons_neq_nil  THM

⊢  ∀h:T, t:T List. ¬h.t = nil  by Unfold ‘not‘ 0 THEN UnivCD
|
1. T : Type
2. h : T
3. t : T List
4. h.t = nil
⊢  False
| by ApFunToHypEquands ‘xs’ (Case of xs; nil → 0 ; y.ys → 1) ℤ 4
|
5. (Case of h.t; nil → 0 ; y.ys → 1)
   =
   (Case of nil; nil → 0 ; y.ys → 1)
⊢  False  by Reduce 5
END
```