```
select_tl  THM

⊢  ∀as:A List, n:ℕ(||as||-1). tl(as)[n] = as[(n+1)]
| by (CDToVarThen ‘as’ Analyze) THEN (Reduce 0) THEN RepD
|
|\
| 1. A : Type
| 2. A List
| 3. n : ℕ(-1)
| ⊢  nil[n] = nil[(n+1)]  by Auto
|
.\
. 1. A : Type
. 2. A List
. 3. u : A
. 4. v : A List
. 5. n : ℕ(||v||+1-1)
. ⊢  v[n] = (u.v)[(n+1)]
.   by RWO
.      Thm* ∀a:T, as:T List, i:ℤ.
.           0<i ⇒ i≤||as|| ⇒ (a.as)[i] = as[(i-1)]
.      {select_cons_tl}
.      0
END
```