

Inference at * 1 2 2
of proof for Lemma adjacent-cons:

1. $T : \text{Type}$
2. $x : T$
3. $y : T$
4. $u : T$
5. $L : T \text{ List}$
6. $i : \{0..(\|L\|+1) - 1\}^-$
7. $x = [u / L][i]$
8. $y = [u / L][(i+1)]$
9. $0 < \|L\|$
10. $\neg(i = 0)$

$\vdash y = L[(i - 1)+1]$
by InteriorProof (((RWO "select_cons_tl" (-3))
THENM (All ArithSimp)).)

CollapseTHEN (Auto·).