

**fseg\_extend**<sup>11,40</sup>

$\forall T:\text{Type}, l_1:(T \text{ List}), v:T, l_2:(T \text{ List}).$

$\text{fseg}(T;l_1;l_2)$

$\Rightarrow ((\|l_1\| < \|l_2\|) \text{ c} \wedge (l_2[(\|l_2\| - (\|l_1\|+1))] = v))$

$\Rightarrow \text{fseg}(T;[v / l_1];l_2)$

ProofTree