

list_accum_split^{4,23}

$\forall T:\text{Type}, i:\mathbb{N}, l:T \text{ List}, f:(\text{Top} \rightarrow T \rightarrow \text{Top}), y:\text{Top}.$

$i < \|l\|$

$\Rightarrow (\text{list_accum}(x, a. f(x, a); y; l))$

\sim

$\text{list_accum}(x, a. f(x, a); \text{list_accum}(x, a. f(x, a); y; \text{firstn}(i; l)); \text{nth_tl}(i; l))$