list_accum_split[4,23]

$\forall T$:Type, i:$\mathbb{N}$, l:T List, f:(Top$\rightarrow T\rightarrow$Top), y:Top.
$i<\|l\|$
$\Rightarrow$ (list_accum(x,a.f(x,a);y;l)
$\sim$
list_accum(x,a.f(x,a);list_accum(x,a.f(x,a);y;firstn(i;l));nth_tl(i;l)))

http://www.nuprl.org/FDLcontent/p0_802137_/p89_117667_{list_accum_split}.html