map_is_append[11,40]

$\forall A$, B:Type, f:$(A \rightarrow B)$, L:$(A$ List$)$, L_1, L_2:$(B$ List$)$.
$(\text{map}(f;L) = (L_1 \ @ \ L_2) \in (B$ List$))$
$\Rightarrow \{\text{map}(f;\text{firstn}(\|L_1\|;L)) = L_1 \ \& \ \text{map}(f;\text{nth\_tl}(\|L_1\|;L)) = L_2\}$