append-cancellation[0,22]

$\forall T$:Type, as, as', bs, cs:T List.
$||as|| = ||as'|| \in \mathbb{Z} \Rightarrow (as \mathbin{@} cs) = (as' \mathbin{@} bs) \in T$ List $\Rightarrow cs = bs$

http://www.cs.cornell.edu/Info/Projects/NuPrl/FDLcontent/p0_286125_/p25_95190_{append-cancellation}.html