

append-cancellation^{11,40}

$\forall T:\text{Type}, as, as', bs, cs:(T \text{ List}).$

$(\|as\| = \|as'\| \in \mathbb{Z}) \Rightarrow (\text{append}(as; cs) = \text{append}(as'; bs) \in (T \text{ List})) \Rightarrow (cs = bs)$