

l.before_append_iff^{11,40}

$\forall T:\text{Type}, A,B:(T \text{ List}), x,y:T.$

$\text{l.before}(x; y; \text{append}(A; B); T)$

$\iff (\text{l.before}(x; y; A; T) \vee \text{l.before}(x; y; B; T) \vee ((x \in A) \wedge (y \in B)))$