

star-append^{0,22}

$\text{star-append}(T;P;Q)(L)$
 $\equiv_{\text{def}} \exists LL:(T \text{ List}) \text{ List}, L':T \text{ List}. (\forall X \in LL. P(X)) \ \& \ Q(L') \ \& \ L = (\text{concat}(LL) \ @ \ L')$

clarification:

$\text{star-append}(T;P;Q)(L)$
 $\equiv_{\text{def}} \exists LL:(T \text{ List}) \text{ List}, L':T \text{ List}.$
 $\quad \text{!all}(LL;T \text{ List};X.P(X)) \ \& \ Q(L') \ \& \ L = (\text{concat}(LL) \ @ \ L') \in T \text{ List}$