

guarded_permutation^{4,23}

$\text{guarded_permutation}(T;P) \equiv_{\text{def}} (\lambda L_1, L_2. \exists i: \mathbb{N}_{< \|L_1\| - 1}. P(L_1, i) \ \& \ L_2 = \text{swap}(L_1; i; i+1))^*$

clarification:

$\text{guarded_permutation}(T;P)$
 $\equiv_{\text{def}} \text{rel_star}(T \text{ List}; (\lambda L_1, L_2. \exists i: \{0..(\|L_1\| - 1)\}.$
 $P(L_1, i) \ \& \ L_2 = \text{swap}(L_1; i; i+1) \in T \text{ List}))$