

ecl-machine3-loc^{0,22}

$\forall ds:x:\text{Id fp} \rightarrow \text{Type}, da:k:\text{Knd fp} \rightarrow \text{Type}, x, T:\text{Top}, ks:\text{Top List}, a:\text{Top}, snd:\text{msg-spec}(ds;da),$
 $j:\text{Id}.$
 $\text{R-has-loc}(\text{ecl-machine3}(ds;da;x;T;ks;a;snd);j)$
 \sim
 $\text{if null}(ks) \rightarrow$
 $\text{reduce}(\lambda l, b. \neg_2 \text{null}(\text{ecl-tags}(l;snd)) \wedge_2 \text{source}(l) = j$
 $\vee_2 b; \text{false}_2; \text{remove-repeats}(\text{IdLnkDeq}; \text{msg-spec-links}(snd)))$
 $\text{else reduce}(\lambda l, b. \text{source}(l) = j$
 $\vee_2 b; \text{false}_2; \text{remove-repeats}(\text{IdLnkDeq}; \text{msg-spec-links}(snd))) \text{ fi}$