

ESMachineAxiom_wf^{11,40}

$\forall E:\text{Type}\{i\}, T, V:(\text{Id} \rightarrow \text{Id} \rightarrow \text{Type}\{i\}), M:(\text{IdLnk} \rightarrow \text{Id} \rightarrow \text{Type}\{i\}), \text{loc}:(E \rightarrow \text{Id}), \text{knd}:(E \rightarrow \text{Knd}),$
 $\text{val}:(e:E \rightarrow \text{eventtype}(\text{knd}; \text{loc}; V; M; e)), \text{when}, \text{after}:(x:\text{Id} \rightarrow e:E \rightarrow T(\text{loc}(e), x)),$
 $\text{sndr}:(\{e:E \mid \uparrow \text{isrcv}(\text{knd}(e))\} \rightarrow E),$
 $\text{Trans}:(i:\text{Id} \rightarrow k:\text{Knd} \rightarrow \text{kindcase}(k; a.V(i, a); l, t.M(l, t)) \rightarrow (x:\text{Id} \rightarrow T(i, x)) \rightarrow (x:\text{Id} \rightarrow T(i, x))),$
 $\text{Send}:(i:\text{Id} \rightarrow k:\text{Knd} \rightarrow \text{kindcase}(k; a.V(i, a); l, t.M(l, t)) \rightarrow (x:\text{Id} \rightarrow T(i, x)) \rightarrow (\text{Msg}(M) \text{ List})),$
 $\text{Choose}:(i, a:\text{Id} \rightarrow (x:\text{Id} \rightarrow T(i, x)) \rightarrow (? (V(i, a)))).$
 $\text{ESMachineAxiom}(E; T; V; M; \text{loc}; \text{knd}; \text{val}; \text{when}; \text{after}; \text{sndr}; \text{Trans}; \text{Send}; \text{Choose}) \in \mathbb{P}\{i\}$