

member_receives^{11,40}

$\forall E, X_1, X_2: \text{Type}, dE: \text{EqDecider}(E), dL: \text{EqDecider}(\text{IdLnk}), pred?: (E \rightarrow (?E)),$
 $info: (E \rightarrow ((\text{Id} \times X_1) + ((\text{IdLnk} \times E) \times X_2))),$
 $p: (\forall e: E, l: \text{IdLnk}.$
 $\exists e': E$
 $(\forall e'': E.$
 $(\uparrow \text{rcv?}(e'')))$
 $\Rightarrow (\text{sender}(e'') = e)$
 $\Rightarrow (\text{link}(e'') = l)$
 $\Rightarrow (((e'' = e') \vee e'' < e') \wedge (\text{loc}(e') = \text{destination}(l) \in \text{Id})))),$
 $e: E, l: \text{IdLnk}.$
 $\text{SWellFounded}(\text{pred!}(e; e'))$
 $\Rightarrow (\forall e: E. (\neg(\uparrow \text{first}(e))) \Rightarrow (\text{loc}(\text{pred}(e)) = \text{loc}(e) \in \text{Id}))$
 $\Rightarrow (\forall e, e': E. (\text{loc}(e) = \text{loc}(e') \in \text{Id}) \Rightarrow (\text{pred?}(e) = \text{pred?}(e') \Rightarrow (e = e')))$
 $\Rightarrow (\forall r: E.$
 $(r \in \text{receives}(dE; dL; pred?; info; p; e; l))$
 $\iff ((\uparrow \text{rcv?}(r)) \wedge ((\text{sender}(r) = e) \wedge (\text{link}(r) = l))))$