

## es-sends1<sup>0,22</sup>

$\forall es:ES, e:E, l:IdLnk, tg:Id, T:Type, v:T.$   
 $\{m:Msg \mid source(mlnk(m)) = source(l) \in Id \}$   
 $\subseteq \rho \text{Msg}(\lambda l', tg'. \text{ if } l' = l \wedge_2 tg' = tg \rightarrow T \text{ else Top fi})$   
 $\Rightarrow \text{sends}(l;e) = [msg(l;tg;v)] \in \text{Msg}(\lambda l', tg'. \text{ if } l' = l \wedge_2 tg' = tg \rightarrow T \text{ else Top fi}) \text{ List}$   
 $\Rightarrow (\exists e':E.$   
     $\text{kind}(e') = rcv(l, tg) \in \text{Knd} \ \& \ \text{val}(e') = v \ \& \ \text{sender}(e') = e$   
     $\ \& \ (\forall e'':E. \text{kind}(e'') = rcv(l, tg) \in \text{Knd} \Rightarrow \text{sender}(e'') = e \Rightarrow e'' = e')$