

s-unconditional-send1-rule^{0,22}

$\forall x, tg:Id, k:Knd, l:IdLnk, T, A, B:Type.$

$(rcv(l,tg) = k \Rightarrow T = B)$

$\Rightarrow (\forall f:(A \rightarrow B \rightarrow T).$

$@source(l): k(v)$ sends $[tg, \lambda a,b. [f(a,b)](x, v)]$ on link $l \in D_{sys}$

$\& (\forall D:D_{sys}.$

$@source(l): k(v)$ sends $[tg, \lambda a,b. [f(a,b)](x, v)]$ on link $l \subseteq D$

$\Rightarrow D$

 realizes $es.$

$vartype(source(l);x) \subseteq \rho A$

$\& (\forall e:E. loc(e) = source(l) \in Id \Rightarrow kind(e) = k \in Knd \Rightarrow valtype(e) \subseteq \rho B)$

$\& (\forall e:E. kind(e) = rcv(l,tg) \in Knd \Rightarrow valtype(e) \subseteq \rho T)$

$\& (\forall e:E.$

$loc(e) = source(l) \in Id$

$\Rightarrow kind(e) = k \in Knd$

$\Rightarrow (\exists e':E.$

$kind(e') = rcv(l,tg) \in Knd$

$\& sender(e') = e \in E$

$\& (\forall e'':E.$

$kind(e'') = rcv(l,tg) \in Knd \Rightarrow sender(e'') = e \in E \Rightarrow e'' = e' \in E)$

$\& val(e') = f((x \text{ when } e), val(e)) \in T)))))$