

unconditional-send-rule^{0,22}

$\forall tg:\text{Id}, k:\text{Knd}, l:\text{IdLnk}, T, B:\text{Type}, f:(B \rightarrow T).$
 $(\text{rcv}(l, tg) = k \Rightarrow T = B)$
 $\Rightarrow @\text{source}(l): \text{ma-single-sends0}(B; T; k; l; tg; \lambda b. [f(b)]) \in \text{Dsys}$
 $\& (\forall D:\text{Dsys}.$
 $\quad @\text{source}(l): \text{ma-single-sends0}(B; T; k; l; tg; \lambda b. [f(b)]) \subseteq D$
 $\Rightarrow D$
 $\text{realizes } es.$
 $(\forall e:\mathbb{E}. \text{loc}(e) = \text{source}(l) \in \text{Id} \Rightarrow \text{kind}(e) = k \in \text{Knd} \Rightarrow \text{valtype}(e) \subseteq \rho B)$
 $\& (\forall e:\mathbb{E}. \text{kind}(e) = \text{rcv}(l, tg) \in \text{Knd} \Rightarrow \text{valtype}(e) \subseteq \rho T)$
 $\& (\forall e:\mathbb{E}.$
 $\quad \text{loc}(e) = \text{source}(l) \in \text{Id}$
 $\quad \Rightarrow \text{kind}(e) = k \in \text{Knd}$
 $\quad \Rightarrow (\exists e':\mathbb{E}.$
 $\quad \quad \text{kind}(e') = \text{rcv}(l, tg) \in \text{Knd}$
 $\quad \quad \& \text{sender}(e') = e \in \mathbb{E} \& \text{val}(e') = f(\text{val}(e)) \in T))$