

ma-send^{11,40}

$$\begin{aligned}
& M.\text{send}(k;l;s;v;ms;i) \\
\equiv_{\text{def}} & L \text{ !} = (M.2.2.2.2.2).1(<k, l>) \\
& \Rightarrow \\
& \quad ms \\
& = \\
& \quad \text{if source}(l) = i \text{ then concat}(\text{map}(\lambda tgf.\text{map}(\lambda x.<tgf.1, x>.(tgf.2)(s,v));L)) \text{ else } [] \text{ fi}
\end{aligned}$$

clarification:

$$\begin{aligned}
& M.\text{send}(k;l;s;v;ms;i) \\
\equiv_{\text{def}} & \text{fpf-val}(\text{product-deq}(\text{Knd};\text{IdLnk};\text{KindDeq};\text{IdLnkDeq}); \\
& \quad ((M.2.2.2.2.2).1); \\
& \quad <k, l>; \\
& \quad k, L.(ms \\
& \quad = \\
& \quad \text{if source}(l) = i \\
& \quad \text{then concat}(\text{map}(\lambda tgf.\text{map}(\lambda x.<tgf.1, x>.(tgf.2)(s,v));L)) \\
& \quad \text{else } [] \\
& \quad \text{fi} \\
& \quad \in ((tg:\text{Id} \times \text{if source}(l) = i \text{ then } M.\text{da}(\text{rcv}(l,tg)) \text{ else Top fi }) \text{ List}))
\end{aligned}$$