

## ma-join-list-dout<sup>0,22</sup>

$\forall tg:Id, l:IdLnk, L:MsgA \text{ List.}$

$(\forall A, B \in L. A \Vdash B)$

$\Rightarrow (\oplus(L)).dout(l, tg)$

$\sim$

$\text{reduce}(\lambda M, x. \text{if rcv}(l, tg) \in \text{dom}(\text{1of}(2\text{of}(M))) \rightarrow M.dout(l, tg) \text{ else } x \text{ fi}; \text{Void}; L)$