w-causl[11,40]

$e <\text{c}\ e' \equiv_{\text{def}}\ e\ \lambda e,e'.\ e <\text{loc}\ e' \vee ((\uparrow\text{isrcv}(\text{kind}(e'))) \text{c}\wedge (e = \text{sender}(e')))\hat{}+\ e'$

clarification:

w-causl(w; e; e')
$\equiv_{\text{def}}\ e$
rel_plus(w-E(w);
($\lambda e,e'.$ w-locl(w; e; e')
$\vee$ (($\uparrow$isrcv(w-ekind(w; e'))) c$\wedge$ (e = w-sender(w; e') $\in$ w-E(w)))))) e'

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http://www.nuprl.org/FDLcontent/p0_963683_/p69_592719_{w-causl}.html