chain-consistent-same-receiver[13,45]

$\forall es$:ES, Cmd:Type, In:AbsInterface(Cmd), $isupdate$:($Cmd \to \mathbb{B}$), Sys, Out:AbsInterface(Top).
(E(In) $\subseteq$r E(Sys))
$\Rightarrow$ ($\forall f$:sys-antecedent(es;Sys).
($\forall u$:E(Sys). ($f(u) = u \in$ E) $\iff$ ($\uparrow(u \in_b In)$))
$\Rightarrow$ ($\forall chain$:(E(Sys)$\to$(Id List)).
chain-consistent(f;$chain$)
$\Rightarrow$ ($\forall e$, e':E(Sys).
($\neg$(loc($f(e)$) = loc(e) $\in$ Id))
$\Rightarrow$ (loc(e') = loc(e) $\in$ Id)
$\Rightarrow$ ($\forall b$:E(Sys).
($f(e')$ <loc $f(b)$)
$\Rightarrow$ ($f(b)$ <loc $f(e)$)
$\Rightarrow$ ($\neg$(loc($f(b)$) = loc(b) $\in$ Id))
$\Rightarrow$ (loc(b) = loc(e) $\in$ Id)))))

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http://www.nuprl.org/FDLcontent/p0_963683_/p28_771298_{chain-consistent-same-receiver}.html