

chain-replication^{11,40}

chain-replication $\{i:l\}$ ($es; Cmd; Sys; Config; Master; u$)
 \equiv_{def} master-constraints($es; Master$)
& ($\exists c: E(Config) \rightarrow E(Master)$. config-antecedent($es; Master; Config; c$)
& update-antecedent $\{i:l\}$ ($es; Cmd; Sys; Config; u$)
& ($\exists m: \{e: E(Master) \mid \uparrow \text{cmseq?}(Master(e))\} \rightarrow E(Config)$
 master-antecedent $\{i:l\}$ ($es; Cmd; Master; Config; Sys; m$))
& $Sys \cap Config = 0$

clarification:

chain-replication $\{i:l\}$
($es; Cmd; Sys; Config; Master; u$)
 \equiv_{def} master-constraints($es; Master$)
& ($\exists c: \text{es-E-interface}(es; Config) \rightarrow \text{es-E-interface}(es; Master)$
 config-antecedent($es; Master; Config; c$)
& update-antecedent $\{i:l\}$
 ($es; Cmd; Sys; Config; u$)
& ($\exists m: \{e: \text{es-E-interface}(es; Master) \mid \uparrow \text{cmseq?}(Master(e))\} \rightarrow \text{es-E-interface}(es; Config)$
 master-antecedent $\{i:l\}$
 ($es; Cmd; Master; Config; Sys; m$))
& es-interface-disjoint($es; Sys; Config$)