

chain_sys_ind_wf^{11,40}

$\forall X:\text{Type}\{j\}, \text{Cmd}:\text{Type}\{i\}, x:\text{chain_sys}(\text{Cmd}), \text{input}:(\text{Cmd}\rightarrow X), \text{update}:(\text{Id}\rightarrow(\text{Cmd List})\rightarrow X).$
 $\text{chain_sys_ind}(x;\text{cmd.input}(\text{cmd});\text{from},\text{cmds.update}(\text{from},\text{cmds})) \in X$