update-antecedent-lemma1[11,40]

$\forall es$:ES, Cmd:Type, Sys:AbsInterface(chain_sys(Cmd)), $Config$:AbsInterface(chain_config()),
  u:($\{e$:E(Sys)| $\uparrow$csupdate?($Sys(e)$)$\} \rightarrow \{e$:E| ($\uparrow(e \in_b Sys)$) $\vee$ ($\uparrow(e \in_b Config)$)$\}$).
update-antecedent{i:l}(es;Cmd;Sys;$Config$;u)
$\Rightarrow Sys \cap Config = 0$
$\Rightarrow (\forall e$:E(Sys(valid)).
    ($\uparrow$csupdate?($Sys(e)$))) $\Rightarrow$ ($\uparrow((u(e)) \in_b Config)$) $\Rightarrow$ ($u(e) \in$ E(prior(Sys(valid)))))