

state-after-pred^{11,40}

$\forall es:ES, e:E.$
 $(\neg(\uparrow\text{first}(e)))$
 $\Rightarrow ((\text{timed})\text{state after pred}(e)+\text{time}(e) - \text{time}(\text{pred}(e)))$
 $=$
 $\text{es_state_when}(es;e)$
 $\in \text{es_state}(es;\text{loc}(e))$