

es-triggers-val^{11,40}

$\forall es:ES, A:\text{Type}, i:\text{Id}, ds:x:\text{Id} \text{ fp} \rightarrow \text{Type},$
 $conds:k:\text{Knd} \text{ fp} \rightarrow V:\text{Type} \times (\text{State}(ds) \rightarrow V \rightarrow (A + \text{Top})), e:E.$
 $(\forall e:E.$
 $\text{loc}(e) = i)$
 $\Rightarrow (\uparrow \text{kind}(e) \in \text{dom}(conds))$
 $\Rightarrow ((\text{valtype}(e) \subseteq_r (conds(\text{kind}(e)).1)) \ \& \ (\text{state}@loc(e) \subseteq_r \text{State}(ds))))$
 $\Rightarrow (\uparrow (e \in_b \text{es-triggers}(es;i;ds;conds)))$
 $\Rightarrow (\text{es-triggers}(es;i;ds;conds)(e) \sim \text{outl}((conds(\text{kind}(e)).2)((\text{state when } e), \text{val}(e))))$