

es-triggers-p-first^{11,40}

$\forall es:ES, A:Type, ds:x:Id \text{ fp} \rightarrow Type,$
 $conds_list:(k:Kind \text{ fp} \rightarrow V:Type \times (State(ds) \rightarrow V \rightarrow (A + Top)) \text{ List}), i:Id.$
 $(\forall conds \in conds_list. \text{es-triggers-params-consistent}(es;A;i;ds;conds))$
 $\Rightarrow (\forall conds_1, conds_2 \in conds_list. conds_1 \parallel conds_2)$
 $\Rightarrow (\text{p-first}(\text{map}(\lambda conds. \text{es-triggers}(es;i;ds;conds); conds_list))$
 $=$
 $\text{es-triggers}(es;i;ds;\oplus(conds_list))$
 $\in \text{AbsInterface}(A))$