

ecl-trans-halt2-add-catch^{11,40}

$\forall ds:\text{fpf}(\text{Id}; x.\text{Type}), da:\text{fpf}(\text{Knd}; k.\text{Type}), l:(\mathbb{N} \text{ List}), v:\text{ecl-trans-tuple}\{i:l\}(ds; da),$
 $L:(\text{event-info}(ds; da) \text{ List}), n:\mathbb{N}.$
 $(\text{ecl-trans-halt2}(ds; da; \text{ecl-add-catch}(v; l))(n, L))$
 $\iff (((\neg(n \in l)) \wedge (\text{ecl-trans-halt2}(ds; da; v)(n, L)))$
 $\quad \vee ((n = 0 \in \mathbb{Z}) \wedge \exists l \text{ exists}(l; \mathbb{N}; m.(\text{ecl-trans-halt2}(ds; da; v)(m, L)))))$