

ecl.ind.wf^{11,40}

$\forall X:\text{Type}\{j\}, ds:\text{fpf}(\text{Id}; x.\text{Type}\{i\}), da:\text{fpf}(\text{Knd}; k.\text{Type}\{i\}), x:\text{ecl}(ds; da),$
 $\text{base}:(k:\text{Knd} \rightarrow (\text{decl-state}(ds) \rightarrow \text{ma-valtype}(da; k) \rightarrow \mathbb{B}) \rightarrow X), \text{seq}, \text{and}, \text{or}:(\text{ecl}(ds; da) \rightarrow \text{ecl}(ds; da) \rightarrow X \rightarrow X \rightarrow X),$
 $\text{repeat}:(\text{ecl}(ds; da) \rightarrow X \rightarrow X), \text{act}, \text{throw}:(\text{ecl}(ds; da) \rightarrow \mathbb{N} \rightarrow X \rightarrow X),$
 $\text{catch}:(\text{ecl}(ds; da) \rightarrow (\mathbb{N} \text{ List}) \rightarrow X \rightarrow X).$
 $\text{ecl_ind}(x;$
 $\quad k, \text{test}. \text{base}(k, \text{test});$
 $\quad a, b, rec_1, rec_2. \text{seq}(a, b, rec_1, rec_2);$
 $\quad a, b, rec_1, rec_2. \text{and}(a, b, rec_1, rec_2);$
 $\quad a, b, rec_1, rec_2. \text{or}(a, b, rec_1, rec_2);$
 $\quad a, rec_1. \text{repeat}(a, rec_1);$
 $\quad a, n, rec_1. \text{act}(a, n, rec_1);$
 $\quad a, n, rec_1. \text{throw}(a, n, rec_1);$
 $\quad a, l, rec_1. \text{catch}(a, l, rec_1))$
 $\in X$