combine-ecl-trans-state1[0,22]

$\forall ds{:}x{:}\text{Id fp}\rightarrow \text{Type},\ da{:}k{:}\text{Knd fp}\rightarrow \text{Type},\ A,\ B{:}\text{ecl-trans-tuple}\{\text{i:l}\}(ds;da),$
$\ f{:}((\mathbb{N} \rightarrow \mathbb{B})\rightarrow(\mathbb{N} \rightarrow \mathbb{B})\rightarrow \mathbb{N} \rightarrow \mathbb{B}),\ g{:}(\mathbb{B} \rightarrow \mathbb{B} \rightarrow \mathbb{B}),\ L,\ L_1,\ l{:}\text{event-info}(ds;da)\ \text{List}.$
$L = (L_1\ @\ l)$
$\Rightarrow (\forall L'{:}\text{event-info}(ds;da)\ \text{List}.$
$\quad L' \leq L \Rightarrow (L_1 \leq L' \Leftrightarrow \text{ecl-trans-h}(A)(0,\text{ecl-trans-state}(A;L'))))$
$\Rightarrow \text{ecl-trans-state}(\text{combine-ecl-tuples}(A;B;f;g);L)$
$\quad =$
$\quad \langle \text{ecl-trans-state}(A;L), \text{ecl-trans-state}(B;l)\rangle$
$\quad \in \text{ecl-trans-type}(\text{combine-ecl-tuples}(A;B;f;g))$

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http://www.cs.cornell.edu/Info/Projects/NuPrl/FDLcontent/p0_286125_/
p25_294719_{combine-ecl-trans-state1}.html