

## ecl-es-halt-ecl-halt<sup>11,40</sup>

$$\begin{aligned} & \forall ds:\text{fpf}(\text{Id}; x.\text{Type}), da:\text{fpf}(\text{Knd}; k.\text{Type}), x:\text{ecl}(ds; da), es:\text{event\_system}\{i:l\}, i:\text{Id}. \\ & (\forall x:\text{Id}. \text{subtype\_rel}(\text{es-variantype}(es; i; x); \text{fpf-cap}(ds; \text{id-deq}; x; \text{top}))) \\ & \Rightarrow (\forall e:\text{es-E}(es). \\ & \quad (\text{loc}(e) = i) \Rightarrow \text{subtype\_rel}(\text{es-valtype}(es; e); \text{ma-valtype}(da; \text{es-kind}(es; e)))) \\ & \Rightarrow (\forall n:\mathbb{N}, e_1, e_2:\{e:\text{es-E}(es) \mid \text{loc}(e) = i\}. \\ & \quad (\text{ecl-es-halt}(es; x)(n, e_1, e_2)) \iff (\text{ecl-halt}(ds; da; x)(n, \text{es-hist}\{i:l\}(es; e_1; e_2)))) \end{aligned}$$