es-first-at-since[11,40]

es-first-at-since($es;i;e.R(e);e.P(e)$)
$\equiv_{\text{def}}$ loc(e) $= i$
    & $P(e)$ & $(\neg R(e))$
    & $(\forall e'{<}e.\ P(e') \Rightarrow (\exists e'':\text{E}.\ (e' \leq\text{loc}\ e''\ \&\ (e'' <\text{loc}\ e)\ \&\ R(e''))))$

clarification:

es-first-at-since($es;i;e.R(e);e.P(e)$)
$\equiv_{\text{def}}$ es-loc($es;\ e$) $= i \in \text{Id}$
    & $P(e)$ & $(\neg R(e))$
    & alle-lt($es;e;e'.P(e')$
        $\Rightarrow (\exists e'':\text{es-E}(es).\ (\text{es-le}(es;e';e'')\ \&\ \text{es-locl}(es;\ e'';\ e)\ \&\ R(e''))))$