l_before_eventlist_iff[11,40]

$\forall E$:Type, $pred?$:($E \to (?E)$), a,b,e:E.
SWellFounded($(\neg(\uparrow\text{first}(y)))$ c$\wedge$ $(x = \text{pred}(y) \in E)$)
$\Rightarrow$ (l_before(a; b; eventlist($pred?$; e); E)
$\quad\iff$ ((a rel_star(E; $(\lambda x,y.\ (\neg(\uparrow\text{first}(y)))$ c$\wedge$ $(x = \text{pred}(y) \in E))$) e)
$\qquad\wedge$ (b rel_star(E; $(\lambda x,y.\ (\neg(\uparrow\text{first}(y)))$ c$\wedge$ $(x = \text{pred}(y) \in E))$) e)
$\qquad\wedge$ (a rel_plus(E; $(\lambda x,y.\ (\neg(\uparrow\text{first}(y)))$ c$\wedge$ $(x = \text{pred}(y) \in E))$) b)))

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http://www.nuprl.org/FDLcontent/p0_963683_/p46_332284_{l_before_eventlist_iff}.html