

l_before-es-before^{11,40}

$\forall the_es:\text{event_system}\{i:l\}, e,e',y:\text{es-E}(the_es).$
 $l_{\text{before}}(e'; y; \text{before}(e); \text{es-E}(the_es)) \Rightarrow \text{es-locl}(the_es; e'; y)$