

es-le-before-partition2^{11,40}

$\forall es:ES, e, a:E.$

$a \leq_{\text{loc}} e$

$\Rightarrow (\neg(\uparrow \text{first}(a)))$

$\Rightarrow (\text{es-le-before}(es;e) = (\text{es-le-before}(es;\text{pred}(a)) @ [a, e]) \in (\text{E List}))$