

same-thread_transitivity^{11,40}

$\forall es:ES, p:(E \rightarrow (E + \text{Top}))$.

$\text{causal-predecessor}(es;p)$

$\Rightarrow (\forall a, b, c:E. \text{same-thread}(es;p;a;b) \Rightarrow \text{same-thread}(es;p;b;c) \Rightarrow \text{same-thread}(es;p;a;c))$