

causal-p-predecessor^{11,40}

$\forall es:\mathbf{ES}, P:(\mathbf{E} \rightarrow \mathbb{P}).$
 $(\forall e:\mathbf{E}. \text{Dec}(P(e)))$
 $\Rightarrow (\forall e:\mathbf{E}.$
 $(\exists e':\mathbf{E}. ((e' < e) \ \& \ P(e')))$
 $\Rightarrow (\exists e':\mathbf{E}. ((e' < e) \ \& \ P(e') \ \& \ (\forall e'':\mathbf{E}. (e' < e'') \Rightarrow (e'' < e) \Rightarrow (\neg P(e''))))))$