${\bf causal\text{-}pred\text{-}well founded}^{11,40}$
$\forall es : \text{ES}, \ p : (\text{E} \rightarrow (\text{E} + \text{Top})). \ \text{causal-predecessor}(es; p) \Rightarrow \text{SWellFounded}(\text{p-graph}(\text{E}; p)(y, x))$
http://www.nuprl.org/FDLcontent/p0_963683_/p23_217532_{causal-pred-wellfounded}.html