causal-sort[11,40]

$\forall es$:ES, L:(E List).
$\exists L'$:E List
 ($L \subseteq L'$
 & $L' \subseteq L$
 & ($\forall a$, b:E. ($a \in L'$) $\Rightarrow$ ($b \in L'$) $\Rightarrow$ ($a < b$) $\Rightarrow$ a before $b \in L'$)
 & no_repeats(E;L'))

http://www.nuprl.org/FDLcontent/p0_963683_/p0_431217_{causal-sort}.html