**same-loc-total**[11,40]

$\forall es$:ES, $e$, $e'$:E. $(\mathrm{loc}(e) = \mathrm{loc}(e') \in \mathrm{Id}) \Rightarrow ((e < e') \vee (e = e') \vee (e' < e))$

http://www.nuprl.org/FDLcontent/p0_963683_/p33_359324_{same-loc-total}.html