

es-r-immediate-pred-exists^{11,40}

$\forall es:ES, R:(E \rightarrow E \rightarrow \mathbb{P}).$
 $(\forall e, e':E. \text{Dec}(R(e',e)))$
 $\Rightarrow R \Rightarrow \lambda x,y. (x < y)$
 $\Rightarrow (\forall e:E. (\exists e':E. (R(e',e))) \Rightarrow (\exists e':E. \text{es-r-immediate-pred}(es;R;e';e)))$