es-knows-knows[11,40]

$\forall poss$:(ES{i}→ $\mathbb{P}${i'}), R:(possible-event{i:l}($poss$)→possible-event{i:l}($poss$)→ $\mathbb{P}${i'}).
Trans(possible-event{i:l}
($poss$);a,b.$R(a,b)$)
⇒ ($\forall P$:(possible-event{i:l}($poss$)→ $\mathbb{P}${i'}), e:possible-event{i:l}($poss$).
es-knows{i:l}
($poss$; R; P; e)
⇒ es-knows{i:l}
($poss$; R; (λe.es-knows{i:l}($poss$; R; P; e)); e))

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http://www.nuprl.org/FDLcontent/p0_963683_/p66_431592_{es-knows-knows}.html