ma-knows-not[11,40]

$\forall poss$:(ES{i}$\rightarrow \mathbb{P}${i'}), T:Type{i}, s:T, i:Id, P:(possible-event{i:l}($poss$)$\rightarrow \mathbb{P}${i'}),
R:(possible-event{i:l}($poss$)$\rightarrow$possible-event{i:l}($poss$)$\rightarrow \mathbb{P}${i'}), Rs:($T\rightarrow T\rightarrow \mathbb{P}${i'}).
EquivRel(possible-event{i:l}
($poss$);1,2.R(1,2))
$\Rightarrow$ ($\forall e$, e':possible-event{i:l}($poss$).
poss-consistent(i;T;s;e;Rs) $\Rightarrow$ poss-consistent(i;T;s;e';Rs) $\Rightarrow$ (R(e,e')))
$\Rightarrow$ ($\neg$ma-knows{i:l}
($poss$; i; T; s; P; Rs; R))
$\Rightarrow$ ma-knows{i:l}
($poss$; i; T; s; ($\lambda e.\neg$es-knows{i:l}($poss$; R; P; e)); Rs; R)

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http://www.nuprl.org/FDLcontent/p0_963683_/p77_99601_{ma-knows-not}.html