

ma-knows-not^{0,22}

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