

ma-knows-knows^{0,22}

$\forall poss:(ES\{i\} \rightarrow Prop_i), T:Type_i, s:T, i:Id, P:(possible-event\{i:l\}(poss) \rightarrow Prop_i),$
 $R:(possible-event\{i:l\}(poss) \rightarrow possible-event\{i:l\}(poss) \rightarrow Prop_i), Rs:(T \rightarrow T \rightarrow Prop_i).$
(Trans 1,2:possible-event{*i*:*l*}(*poss*). *R*(1,2))
 \Rightarrow ma-knows{*i*:*l*}
 $(poss; i; T; s; P; Rs; R)$
 \Rightarrow ma-knows{*i*:*l*}
 $(poss; i; T; s; (\lambda e.es-knows\{i:l\}(poss; R; P; e)); Rs; R)$