

## ma-knows-trans<sup>0,22</sup>

$\forall poss:(ES\{i\} \rightarrow Prop_i), T:\text{Type}_i, s:T, i:\text{Id}, P, Q:(\text{possible-event}\{i:l\}(poss) \rightarrow Prop_i).$   
 $(\forall e:\text{possible-event}\{i:l\}(poss). P(e) \Rightarrow Q(e))$   
 $\Rightarrow (\forall R:(\text{possible-event}\{i:l\}(poss) \rightarrow \text{possible-event}\{i:l\}(poss) \rightarrow Prop_i), Rs:(T \rightarrow T \rightarrow Prop_i).$   
 $\text{ma-knows}\{i:l\}(poss; i; T; s; P; Rs; R) \Rightarrow \text{ma-knows}\{i:l\}(poss; i; T; s; Q; Rs; R)$