

es-knows-not^{11,40}

$$\begin{aligned} & \forall \text{poss}:(\text{ES}\{i\} \rightarrow \mathbb{P}\{i'\}), R:(\text{possible-event}\{i:l\}(\text{poss}) \rightarrow \text{possible-event}\{i:l\}(\text{poss}) \rightarrow \mathbb{P}\{i'\}). \\ & \text{EquivRel}(\text{possible-event}\{i:l\} \\ & \quad (\text{poss}; 1, 2. R(1, 2)) \\ \Rightarrow & (\forall P:(\text{possible-event}\{i:l\}(\text{poss}) \rightarrow \mathbb{P}\{i'\}), e:\text{possible-event}\{i:l\}(\text{poss}). \\ & \quad (\neg\text{es-knows}\{i:l\} \\ & \quad \quad (\text{poss}; R; P; e)) \\ \Rightarrow & \text{es-knows}\{i:l\} \\ & \quad (\text{poss}; R; (\lambda e. \neg\text{es-knows}\{i:l\}(\text{poss}; R; P; e)); e)) \end{aligned}$$