Agent Communication Language Specification
$\in wff(\mathcal{L}_{cSpec})$
ACL Specification Language Semantics
$[\![-]\!]_{cSpec}$
Observed ACL Message
$\in wff(\mathcal{L}_c)$
Message Semantics
$[\![-]\!]_c$
System Models
Observed States
History of Previous States
Current Social State
Social State Change Function
Next Social State
Possible Successor States
Social Facts Language Specification
$\in wff(\mathcal{L}_{fSpec})$
Social Facts Specification Language Semantics
$[\![-]\!]_{fSpec}$
Social Facts Semantics
$[\![-]\!]_f$
Temporal Logic Formula
$\in wff(\mathcal{L}_t)$
Temporal Logic Semantics
Compare Models
Possible System Models