Framework := \{Clause,\ldots\}
Clause := Agent :: Dn
Agent := a(Typed, Id)
Dn := Agent | Message | Dn then Dn | Dn or Dn | Dn par Dn | null ← C
Message := M ⇒ Agent | M ⇒ Agent ← C | M ← Agent | \neg M ← Agent
C := Term | C \land C | C \lor C
Type := Term
M := Term

Where null denotes an event which does not involve message passing; Term is a structured term in Prolog syntax and Id is either a variable or a unique identifier for the agent.