```
I1(p) \triangleq
                               [Associated variable: outcome[p]]
          (outcome[p] \neq BLANK) \Rightarrow \exists B \in \mathcal{B} : (B.grm \subseteq B.vot) \land (B.dec = outcome[p])
I2(p) \triangleq
                               [Associated variable: lastTried[p]]
           \land owner(lastTried[p]) = p
           \land \forall B \in \mathcal{B} : (owner(B.bal) = p) \Rightarrow
                                     \land B.bal \leq lastTried[p]
                                     \land (status[p] = truing) \Rightarrow (B.bal < lastTried[p])
I3(p) \triangleq
                               [Associated variables: prevBal[p], prevDec[p], nextBal[p]]
           \land prevBal[p] = MaxVote(\infty, p, \mathcal{B}).bal
           \land prevDec[p] = MaxVote(\infty, p, \mathcal{B}).dec
           \land nextBal[p] > prevBal[p]
I4(p) \triangleq
                               [Associated variable: prevVotes[p]]
        (status[p] \neq idle) \Rightarrow
             \forall v \in prevVotes[p] : \land v = MaxVote(lastTried[p], v.pst, B)
                                          \land nextBal[v.pst] > lastTried[p]
I5(p) \triangleq
                               [Associated variables: quorum[p], voters[p], decree[p]]
        (status[p] = polling) \Rightarrow
           \land quorum[p] \subseteq \{v.pst : v \in prevVotes[p]\}
           \land \exists B \in \mathcal{B} : \land quorum[p] = B.qrm
                            \land decree[p] = B.dec
                            \land voters[p] \subseteq B.vot
                            \land lastTried[p] = B.bal
    16 ≜
                               [Associated variable: \mathcal{B}]
           \wedge B1(\mathcal{B}) \wedge B2(\mathcal{B}) \wedge B3(\mathcal{B})
           \land \forall B \in \mathcal{B} : B.qrm \text{ is a majority set}
    I7 ≜
                               [Associated variable: \mathcal{M}]
           \land \forall NextBallot(b) \in \mathcal{M} : (b \leq lastTried[owner(b)])
           \land \forall LastVote(b, v) \in \mathcal{M} : \land v = MaxVote(b, v.pst, \mathcal{B})
                                                \land nextBal[v.pst] \ge b
           \land \forall BeginBallot(b,d) \in : \exists B \in \mathcal{B} : (B.bal = b) \land (B.dec = d)
           \land \ \forall Voted(b, p) \in \mathcal{M} : \exists B \in \mathcal{B} : (B.bal = b) \land (p \in B.vot)
           \land \forall Success(d) \in \mathcal{M} : \exists p : outcome[p] = d \neq BLANK
```