```
(c_q0 \stackrel{\text{def}}{=} ((Balance = 60) \land (CofeeLeft = 1) \land (Mago = 0) \land (Statut = 1)))
                                                                                                                                        ► (c_q2 \stackrel{\text{def}}{=} ((Balance = 0) \land (CofeeLeft = 0) \land (Mago = 60) \land (Statut = 1)))
 (c_q4 \stackrel{\text{def}}{=} ((Balance = 0) \land (CofeeLeft = 0) \land (Mago = 6121) \land (Statut = 0)))
                                                                                                                                                                                                                                                                                  (c_q0 \stackrel{\text{def}}{=} ((Balance = 0) \land (CofeeLeft = 0) \land (Mago = 6121) \land (Statut = 2)))
                                                                                                                                            (c_q2 \stackrel{\text{def}}{=} ((Balance = 0) \land (CofeeLeft = 0) \land (Mago = 6121) \land (Statut = 1)))
 (c_q2 \stackrel{\text{def}}{=} ((Balance = 1) \land (CofeeLeft = 0) \land (Mago = 6121) \land (Statut = 1)))
                                                                                                                  powerDown
   (c_q2 \stackrel{\text{def}}{=} ((Balance = 0) \land (CofeeLeft = 0) \land (Mago = 0) \land (Statut = 1)))
                                                                                                                                         ► (c_q4 \stackrel{\text{def}}{=} ((Balance = 0) \land (CofeeLeft = 0) \land (Mago = 0) \land (Statut = 0)))
                                                                                                                                    - (c_q2 \stackrel{\text{def}}{=} ((Balance = 0) \land (CofeeLeft = 0) \land (Mago = 6180) \land (Statut = 1)))
(c_q1 \stackrel{\text{def}}{=} ((Balance = 60) \land (CofeeLeft = 1) \land (Mago = 6120) \land (Statut = 1)))
                                                   insert
 (c_q1 \stackrel{\text{def}}{=} ((Balance = 1) \land (CofeeLeft = 1) \land (Mago = 6120) \land (Statut = 1)))
                                                                                                                                                 q0 \stackrel{\text{def}}{=} ((Balance = 0) \land (CofeeLeft = 1) \land (Mago = 60) \land (Statut = 1)))
                                                                                                                 ServeCoffee
   (c_q0 \stackrel{\text{def}}{=} ((Balance = 60) \land (CofeeLeft = 2) \land (Mago = 0) \land (Statut = 1)))
                                                                                                                                             (c_q0 \stackrel{\text{def}}{=} ((Balance = 0) \land (CofeeLeft = 2) \land (Mago = 0) \land (Statut = 1)))
                                                                                                                                          (c_q0 \stackrel{\text{def}}{=} ((Balance = 0) \land (CofeeLeft = 1) \land (Mago = 6180) \land (Statut = 1)))
                                                                                                                  ServeCoffee
                                                                                                                                         (c_q4 \stackrel{\text{def}}{=} ((Balance = 60) \land (CofeeLeft = 2) \land (Mago = 6120) \land (Statut = 0)))
(c_q1 \stackrel{\text{def}}{=} ((Balance = 60) \land (CofeeLeft = 2) \land (Mago = 6120) \land (Statut = 1)))
                                                                                                                 backBalance
                                                                                                                                         (c_q1 \stackrel{\text{def}}{=} ((Balance = 0) \land (CofeeLeft = 2) \land (Mago = 6120) \land (Statut = 1)))
                                                                                                                                         (c_q4 \stackrel{\text{def}}{=} ((Balance = 1) \land (CofeeLeft = 0) \land (Mago = 6120) \land (Statut = 0)))
 (c_q3 \stackrel{\text{def}}{=} ((Balance = 1) \land (CofeeLeft = 0) \land (Mago = 6120) \land (Statut = 1)))
                                                                                                                  backBalance
                                                                                                                                                                                            insert
                                                                                                                                     \leftarrow (c_q3 \stackrel{\text{def}}{=} ((Balance = 0) \land (CofeeLeft = 0) \land (Mago = 6120) \land (Statut = 1)))
                                                                                                                                                                                                                                                                                 (c_q0 \stackrel{\text{def}}{=} ((Balance = 0) \land (CofeeLeft = 0) \land (Mago = 6120) \land (Statut = 2)))
(c_q0 \stackrel{\text{def}}{=} ((Balance = 60) \land (CofeeLeft = 1) \land (Mago = 6060) \land (Statut = 1)))
                                                                                                                    powerUp
                                                                                                                                         (c_q0 \stackrel{\text{def}}{=} ((Balance = 60) \land (CofeeLeft = 2) \land (Mago = 6060) \land (Statut = 1)))
                                                                                                                                                                                                                                                                                                                                                                                                 AutoOut (c_q0) \stackrel{\text{def}}{=} ((Balance = 0) \land (CofeeLeft = 1) \land (Mago = 6120) \land (Statut = 2)))
 (c_q4 \stackrel{\text{def}}{=} ((Balance = 0) \land (CofeeLeft = 0) \land (Mago = 6120) \land (Statut = 0)))
                                                                                                                                                                                                                                                                                   (c_q1 \stackrel{\text{def}}{=} ((Balance = 0) \land (CofeeLeft = 1) \land (Mago = 6120) \land (Statut = 1)))
                                                                                                                                                                                                                                                            powerUp
                                                                                                                    add Cofee \\
                                                                                                                                         (c_q4 \stackrel{\text{def}}{=} ((Balance = 0) \land (CofeeLeft = 1) \land (Mago = 6120) \land (Statut = 0)))
                                                                                                                                                                                                                                                                                                                                   insert
                                                                                                                                       ► (c_q4 \stackrel{\text{def}}{=} ((Balance = 0) \land (CofeeLeft = 100) \land (Mago = 0) \land (Statut = 0)))
                                                                                                                                                                                                                                                                                 (c_q0 \stackrel{\text{def}}{=} ((Balance = 0) \land (CofeeLeft = 100) \land (Mago = 0) \land (Statut = 1)))
```

powerDown