```
(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_q2 \stackrel{\text{def}}{=} ((Balance = 0) \land (CofeeLeft = 0) \land (Mago = 6121) \land (Statut = 1)))
                                                                                                                                                                                                                                                                   - (c_q0 \stackrel{\text{def}}{=} ((Balance = 0) \land (CofeeLeft = 0) \land (Mago = 6121) \land (Statut = 2)))
                                                                                                               backBalance
 (c_q2 \stackrel{\text{\tiny def}}{=} ((Balance = 1) \land (CofeeLeft = 0) \land (Mago = 6121) \land (Statut = 1)))
                                                 insert
   (c_q2 \stackrel{\text{def}}{=} ((Balance = 0) \land (CofeeLeft = 0) \land (Mago = 0) \land (Statut = 1)))
(c_q1 \stackrel{\text{def}}{=} ((Balance = 60) \land (CofeeLeft = 1) \land (Mago = 6120) \land (Statut = 1)))
                                                                                                                               (c_q2 \stackrel{\text{def}}{=} ((Balance = 0) \land (CofeeLeft = 0) \land (Mago = 6180) \land (Statut = 1)))
                                                                                                                                  - (c_q0 \stackrel{\text{def}}{=} ((Balance = 0) \land (CofeeLeft = 1) \land (Mago = 60) \land (Statut = 1)))
 (c_q0 \stackrel{\text{def}}{=} ((Balance = 60) \land (CofeeLeft = 2) \land (Mago = 0) \land (Statut = 1)))
(c_q3 \stackrel{\text{def}}{=} ((Balance = 1) \land (CofeeLeft = 0) \land (Mago = 6120) \land (Statut = 1)))
                                                                                                                                                                                                                                                   powerDown (c_q4 \stackrel{\text{def}}{=} ((Balance = 0) \land (CofeeLeft = 0) \land (Mago = 6120) \land (Statut = 0)))
                                                                                                              backBalance
                                                                                                                                                                                                                                                    powerUp
                                                                                                                                    (c_q_3 \stackrel{\text{def}}{=} ((Balance = 0) \land (CofeeLeft = 0) \land (Mago = 6120) \land (Statut = 1)))
(c_q0 \stackrel{\text{def}}{=} ((Balance = 60) \land (CofeeLeft = 1) \land (Mago = 6060) \land (Statut = 1)))
                                                                                                                                                                                                                                                                         (c_q0 \stackrel{\text{def}}{=} ((Balance = 0) \land (CofeeLeft = 0) \land (Mago = 6120) \land (Statut = 2)))
(c_q1 \stackrel{\text{def}}{=} ((Balance = 60) \land (CofeeLeft = 2) \land (Mago = 6120) \land (Statut = 1)))
                                                                                                                                \leftarrow (c_q0 \stackrel{\text{def}}{=} ((Balance = 0) \land (CofeeLeft = 1) \land (Mago = 6180) \land (Statut = 1)))
                                                                                                                                                                                      insert
                                                                                                                                                                                                                                                  powerDown (c_q4 \stackrel{\text{def}}{=} ((Balance = 0) \land (CofeeLeft = 1) \land (Mago = 6120) \land (Statut = 0)))
 (c_q1 \stackrel{\text{def}}{=} ((Balance = 1) \land (CofeeLeft = 1) \land (Mago = 6120) \land (Statut = 1)))
                                                                                                                                     (c_q1 \stackrel{\text{def}}{=} ((Balance = 0) \land (CofeeLeft = 1) \land (Mago = 6120) \land (Statut = 1)))
                                                                                                                                                                                                                                                                          (c_q0 \stackrel{\text{def}}{=} ((Balance = 0) \land (CofeeLeft = 1) \land (Mago = 6120) \land (Statut = 2)))
(c_q0 \stackrel{\text{def}}{=} ((Balance = 60) \land (CofeeLeft = 2) \land (Mago = 6060) \land (Statut = 1)))
                                                                                                                                                                                                                                                                           (c_q4 \stackrel{\text{def}}{=} ((Balance = 0) \land (CofeeLeft = 101) \land (Mago = 0) \land (Statut = 0)))
                                                                                                                                  - (c_q4 \stackrel{\text{def}}{=} ((Balance = 0) \land (CofeeLeft = 100) \land (Mago = 0) \land (Statut = 0)))
                                                                                                                                                                                                                                                                                                                       takeMago
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        backBalance (c_q0 \stackrel{\text{def}}{=} ((Balance = 0) \land (CofeeLeft = 100) \land (Mago = 0) \land (Statut = 1)))
                                                                                                                                                                                                                                                                                                                                                                                         powerUp (c_q0 \stackrel{\text{def}}{=} ((Balance = 1) \land (CofeeLeft = 100) \land (Mago = 0) \land (Statut = 1)))
                                                                                                                                                                                                                                                                           (c_q4 \stackrel{\text{def}}{=} ((Balance = 1) \land (CofeeLeft = 100) \land (Mago = 0) \land (Statut = 0)))
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