```
Results for FULL (in 00:00:45.711):
  NB EV: 11
  AP: AP0
  NB_AP: 3
  NB_MAY: -1
  NB_MUST_MINUS: -1
  NB MUST PLUS: -1
  NB MUST SHARP: -1
  NB AS: 5
  NB AS RCHD: 5
  TAU AS: 100.00
  NB AT: 21
  NB_AT_RCHD: 21
  TAU AT: 100.00
  NB_EXPECTED_AS: 5
  NB_EXPECTED_AS_RCHD: 5
  TAU EXPECTED AS: 100.00
  NB EXPECTED AT: 2
  NB EXPECTED AT RCHD: 2
  TAU_EXPECTED_AT: 100.00
  NB CS: 1690
  NB CS RCHD: 1690
  NB CT: 4343
  NB CT RCHD: 4343
  RHO CS: 100.00
  RHO CT: 100.00
  SET_EXPECTED AS:
                                  \neg(p0 = and(Status = off[0], Pot >= (MaxPot - 50))), \neg(p1 = Status = on[1]), \neg(p2 = or(and(Status = on[1], AskChange = 0, AskCof = 0, Balance = 0),
  Status=error[21))
  q1 = \neg(p0 = and(Status = off[0], Pot >= (MaxPot - 50))), \neg(p1 = Status = on[1]), (p2 = or(and(Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), and (Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), and (Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), and (Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), and (Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), and (Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), and (Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), and (Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), and (Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), and (Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), and (Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), and (Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), and (Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), and (Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), and (Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), and (Status = on[1], AskChange = 0, AskCof = 0, Balance = 0, AskCof = 0, 
  Status=error[2])) q2 = \neg(p0 = and(Status=off[0], Pot >= (MaxPot - 50))), (p1 = Status=on[1]), \neg(p2 = or(and(Status=on[1], AskChange=0, AskCof=0, Balance=0)), (p3 = or(and(Status=on[1], AskChange=0, AskCof=0, Balance=0)), (p4 = or(and(Status=on[1], AskChange=0, AskCof=0, Balance=0)), (p4 = or(and(Status=on[1], AskChange=0, AskCof=0, Balance=0)), (p5 = or(and(Status=on[1], AskChange=0, AskCof=0, Balance=0)), (p5 = or(and(Status=on[1], AskChange=0, AskCof=0, Balance=0)), (p6 = or(and(Status=on[1], AskChange=0, AskCof=0, Balance=0)), (p7 = or(and(Status=on[1], AskChange=0, AskCof=0, Balance=0)), (p7 = or(and(Status=on[1], AskChange=0, AskCof=0, Balance=0)), (p8 = or(and(Status=on[1], AskCof=0)), (p8 = or(and(Status=on[1], AskCof=0)), (p8 = or(and(Status=on
  Status=error[2]))
  q3 = \neg(p0 = and(Status = off[0], Pot >= (MaxPot - 50))), (p1 = Status = on[1]), (p2 = or(and(Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), (p3 = or(and(Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), (p3 = or(and(Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), (p3 = or(and(Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), (p3 = or(and(Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), (p3 = or(and(Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), (p3 = or(and(Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), (p3 = or(and(Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), (p3 = or(and(Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), (p3 = or(and(Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), (p3 = or(and(Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), (p3 = or(and(Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), (p3 = or(and(Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), (p3 = or(and(Status = on[1], AskChange = 0, AskCof = 0, As
  Status=error[2])) q4 = (p0 = and(Status=off[0], Pot >= (MaxPot - 50))), \neg(p1 = Status=on[1]), \neg(p2 = or(and(Status=on[1], AskChange=0, AskCof=0, Balance=0),
  Status=error[2]))
  SET_RCHD_AS:
  q0 = \neg(p0 = and(Status=off[0], Pot >= (MaxPot - 50))), \neg(p1 = Status=on[1]), \neg(p2 = or(and(Status=on[1], AskChange=0, AskCof=0, Balance=0), Status=error[2]))
    q1 = \neg(p0 = and(Status = off[0], Pot >= (MaxPot - 50))), \neg(p1 = Status = on[1]), (p2 = or(and(Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), and (Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), and (Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), and (Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), and (Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), and (Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), and (Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), and (Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), and (Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), and (Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), and (Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), and (Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), and (Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), and (Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), and (Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), and (Status = on[1], AskChange = 0, AskCof = 0, AskC
  Status=error[21))
  Q2 = \neg(p0 = and(Status = off[0], Pot >= (MaxPot - 50))), (p1 = Status = on[1]), \neg(p2 = or(and(Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), Status = error[2]))
   q3 = \neg(p0 = and(Status=off[0], Pot >= (MaxPot - 50))), (p1 = Status=on[1]), (p2 = or(and(Status=on[1], AskChange=0, AskCof=0, Balance=0), (p3 = or(and(Status=on[1], AskChange=0, AskCof=0, Balance=0))
  Status=error[2]))
   q4 = (p0 = and(Status = off[0], Pot >= (MaxPot - 50))), \\ \neg (p1 = Status = on[1]), \\ \neg (p2 = or(and(Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), \\ \neg (p3 = or(and(Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), \\ \neg (p3 = or(and(Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), \\ \neg (p4 = or(and(Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), \\ \neg (p4 = or(and(Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), \\ \neg (p4 = or(and(Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), \\ \neg (p4 = or(and(Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), \\ \neg (p4 = or(and(Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), \\ \neg (p4 = or(and(Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), \\ \neg (p4 = or(and(Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), \\ \neg (p4 = or(and(Status = on[1], AskChange = 0, AskCof = 0, Balance = 0), \\ \neg (p4 = or(and(Status = on[1], AskChange = 0, AskCof = 0, AskCof = 0), \\ \neg (p4 = or(and(Status = on[1], AskChange = 0, AskCof = 0, AskCof = 0), \\ \neg (p4 = or(and(Status = on[1], AskChange = 0, AskCof = 0, AskCof = 0), \\ \neg (p4 = or(and(Status = on[1], AskChange = 0, AskCof = 0, AskCof = 0), \\ \neg (p4 = or(and(Status = on[1], AskChange = 0, AskCof = 0, AskCof = 0), \\ \neg (p4 = or(and(Status = on[1], AskChange = 0, AskCof = 0, AskCof = 0), \\ \neg (p4 = or(and(Status = on[1], AskChange = 0, AskCof = 0, AskCof = 0), \\ \neg (p4 = or(and(Status = on[1], AskChange = 0, AskCof = 0), \\ \neg (p4 = or(and(Status = on[1], AskChange = 0, AskCof = 0), \\ \neg (p4 = or(and(Status = on[1], AskCof = 0, AskCof = 0), \\ \neg (p4 = or(and(Status = on[1], AskCof = 0, AskCof = 0), \\ \neg (p4 = or(and(Status = on[1], AskCof = 0, AskCof = 0), \\ \neg (p4 = or(and(Status = on[1], AskCof = 0, AskCof = 0), \\ \neg (p4 = or(and(Status = on[1], AskCof = 0, AskCof = 0), \\ \neg (p4 = or(and(Status = on[1], AskCof = 0), \\ \neg (p4 = or(and(Status = on[1], AskCof = 0), \\ \neg (p4 = or(and(Status = on[1], AskCof = 0), \\ \neg (p4 = or(and(Status = on[1], AskCof = 0), \\ \neg (p4 = or(and(Status = on[1], AskCof
  Status=error[2]))
  SET RCHD EXPECTED AS:
  q0 = \neg(p\overline{0} = and(S\overline{t}atus = off[0], Pot >= (MaxPot - 50))), \neg(p1 = Status = on[1]), \neg(p2 = or(and(Status = on[1], AskChange = 0, AskCof = 0, Balance = 0)), \neg(p3 = and(S\overline{t}atus = on[1], AskChange = 0, AskCof = 0, Balance = 0))
  q_1 = \neg(p\theta = and(Status = off[\theta], Pot >= (MaxPot - 5\theta))), \neg(p1 = Status = on[1]), (p2 = or(and(Status = on[1], AskChange = \theta, AskCof = \theta, Balance = \theta), Status = or(e1)
  Q2 = \neg(p0 = and(Status=on[1], AskChange=0, AskCof=0, Balance=0), Status=error[2])
  q3 = \neg(p0 = and(Status=off[0], Pot >= (MaxPot - 50))), (p1 = Status=on[1]), (p2 = or(and(Status=on[1], AskChange=0, AskCof=0, Balance=0), Status=error[2]))
  44 = (p0 = and(Status=off[0], Pot >= (MaxPot - 50))), ¬(p1 = Status=on[1]), ¬(p2 = or(and(Status=on[1], AskChange=0, AskCof=0, Balance=0), Status=error[2]))
  SET_EXPECTED_AT:
 SEI = \text{EXPECTED} AT: \\ 1 = -(p0 = \text{and}(\text{Status=off[0]}, \text{Pot} >= (\text{MaxPot} - 50))), \\ \neg(p1 = \text{Status=on[1]}), \\ (p2 = \text{or}(\text{and}(\text{Status=on[1]}, \text{AskChange=0}, \text{AskCof=0}, \text{Balance=0}), \\ \text{Status=error[2]}) \\ \neg(p2 = \text{or}(\text{and}(\text{Status=on[1]}, \neg(p2 = \text
  AskChange=0, AskCof=0, Balance=0), Status=error[2]))
  SET RCHD AT:
SET_RCHD_AT: q0 = \neg(p0 = \text{and}(\text{Status}=\text{off}[0], \text{Pot} >= (\text{MaxPot} - 50))), \neg(p1 = \text{Status}=\text{on}[1]), \neg(p2 = \text{or}(\text{and}(\text{Status}=\text{on}[1], \text{AskChange}=0, \text{AskCof}=0, \text{Balance}=0), \text{Status}=\text{cror}[2])) -[ \text{addCof}] -> \text{q0} = \neg(p0 = \text{and}(\text{Status}=\text{off}[0], \text{Pot} >= (\text{MaxPot} - 50))), \neg(p1 = \text{Status}=\text{on}[1]), \neg(p2 = \text{or}(\text{and}(\text{Status}=\text{on}[1]), \neg(p2 = \text{or}(\text{and}(\text{Status}=\text{on}[1]), \neg(p2 = \text{or}(\text{and}(\text{Status}=\text{on}[1]), \text{AskChange}=0, \text{AskCof}=0, \text{Balance}=0), \text{Status}=\text{cror}[2]) -[ \text{powerlp}] -> \text{q3} = \neg(p0 = \text{and}(\text{Status}=\text{off}[0], \text{Pot} >= (\text{MaxPot} - 50))), \neg(p1 = \text{Status}=\text{on}[1]), \neg(p2 = \text{or}(\text{and}(\text{Status}=\text{on}[1]), \text{(p2} = \text{or}(\text{and}(\text{Status}=\text{on}[1]), \text{(p2} = \text{or}(\text{and}(\text{Status}=\text{on}[1]), \text{(p3} = \text{or}(\text{and}(\text{Status}=\text{on}[1]), \text{(p4} = \text{or}(\text{and}(\text{Status}=\text{on}[1]), \text{(p5} = \text{or}(\text{and}(\text{Status}=\text{on}[1]), \text{(p6} = \text{or}(\text{and}(\text{Status}=\text{on}[1]), \text{(p6} = \text{or}(\text{and}(\text{Status}=\text{on}[1]), \text{(p7} = \text{or}(\text{and}(\text{Status}=\text{on}[1]), \text{(p7} = \text{or}(\text{and}(\text{Status}=\text{on}[1]), \text{(p8} = \text{or}(\text{and}(\text{Status}=\text{on}[1]), \text{(p8} = \text{or}(\text{and}(\text{Status}=\text{on}[1]), \text{(p8} = \text{or}(\text{and}(\text{Status}=\text{on}[1]), \text{(p9} = \text{or}(\text{and}(\text{Status}=\text{on}[1]), \text{
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Status=error[2])) - [powerDown ] -> q0 = \neg(p0 = and(Status=off[0], Pot >= (MaxPot - 50))), \neg(p1 = Status=on[1]), \neg(p2 = or(and(Status=on[1], AskChange=0, AskCof=0, Balance=0), Status=error[2])) \\ q1 = \neg(p0 = and(Status=off[0], Pot >= (MaxPot - 50))), \neg(p1 = Status=on[1]), (p2 = or(and(Status=on[1], AskChange=0, AskCof=0, Balance=0), Status=error[2])) - [powerDown ] -> q4 = (p0 = and(Status=off[0], Pot >= (MaxPot - 50))), \neg(p1 = Status=on[1]), \neg(p2 = or(and(Status=on[1], \neg(p3 = or(and(Status=on[1], \neg
         Status=error[2])) -[ powerDown ]-> q4 = (p0 = and(Status=off[0], Pot >= (MaxPot - 50))), ¬(p1 = Status=on[1]), ¬(p2 = or(and(Status=on[1], AskChange=0, AskCof=0, Balance=0), Status=error[2])) 
q2 = ¬(p0 = and(Status=off[0], Pot >= (MaxPot - 50))), (p1 = Status=on[1]), ¬(p2 = or(and(Status=on[1], AskChange=0, AskCof=0, Balance=0), Status=error[2])) -[ autoOut ]-> q1 = ¬(p0 = and(Status=off[0], Pot >= (MaxPot - 50))), ¬(p1 = Status=on[1]), (p2 = or(and(Status=on[1], AskChange=0, AskCof=0, Balance=0), Status=error[2])) 
q2 = ¬(p0 = and(Status=off[0], Pot >= (MaxPot - 50))), (p1 = Status=on[1]), ¬(p2 = or(and(Status=on[1], AskChange=0, AskCof=0, Balance=0), Status=error[2])) -[ backBalance ]-> q3 = ¬(p0 = and(Status=off[0], Pot >= (MaxPot - 50))), (p1 = Status=on[1]), (p2 = or(and(Status=on[1], AskChange=0, AskCof=0, Balance=0), Status=error[2])) -[ backBalance ]-> q3 = ¬(p0 = and(Status=off[0], Pot >= (MaxPot - 50))), (p1 = Status=on[1]), (p2 = or(and(Status=on[1], AskChange=0, AskCof=0, Balance=0), Status=error[2])) -[ backBalance ]-> q3 = ¬(p0 = and(Status=off[0], Pot >= (MaxPot - 50))), (p1 = Status=on[1]), (p2 = or(and(Status=on[1], AskChange=0, AskCof=0, Balance=0), Status=error[2])) -[ backBalance ]-> q3 = ¬(p0 = and(Status=off[0], Pot >= (MaxPot - 50))), (p1 = Status=on[1]), (p2 = or(and(Status=on[1], AskChange=0, AskCof=0, Balance=0), Status=error[2])) -[ backBalance ]-> q3 = ¬(p0 = and(Status=off[0], Pot >= (MaxPot - 50))), (p1 = Status=on[1]), (p2 = or(and(Status=on[1], AskChange=0, AskCof=0, Balance=0), Status=error[2])) -[ backBalance ]-> q3 = ¬(p0 = and(Status=off[0], Pot >= (MaxPot - 50))), (p1 = Status=on[1]), (p2 = or(and(Status=on[1], AskChange=0, AskCof=0, Balance=0), Status=on[1], AskChange=0, AskCof=0, Balance=0, AskCof=0, Bal
AskChange=0, AskCof=0, Balance=0), Status=error[2]))

Q2 = (n0P = and(Status=off[0], Pot >= (MaxPot - 50))), (p1 = Status=on[1]), ¬(p2 = or(and(Status=on[1]), AskChange=0, AskCof=0, Balance=0), Status=error[2])) - [ backBalance ] -> Q3 = ¬(p0 = and(Status=off[0], Pot >= (MaxPot - 50))), (p1 = Status=on[1]), (p2 = or(and(Status=on[1]), Q2 = ¬(p0 = and(Status=off[0]), Pot >= (MaxPot - 50)), (p1 = Status=on[1]), ¬(p2 = or(and(Status=on[1]), ¬(p2 = or
         Status=error[2])) -[ addCof ]-> q4 = (p0 = and(Status=off[0], Pot >= (MaxPot - 50))), ¬(p1 = Status=on[1]), ¬(p2 - or(and(Status=on[1]), AskChange=0, AskCof=0, Balance=0), Status=error[2])) -[ powerUp ]-> q3 = ¬(p0 = and(Status=off[0], Pot >= (MaxPot - 50))), (p1 = Status=on[1]), (p2 = or(and(Status=on[1]), AskChange=0, AskCof=0, Balance=0), Status=error[2])) -[ takePot ]-> q0 = and(Status=off[0], Pot >= (MaxPot - 50))), ¬(p1 = Status=on[1]), ¬(p2 = or(and(Status=on[1]), ¬(p2
            AskChange=0, AskCof=0, Balance=0), Status=error[2]))
            SET RCHD EXPECTED AT:
          \begin{split} & \text{SET} \ \text{RCHD} \ \underline{\text{EXPECTED}} \ A\text{T:} \\ & \text{ql} = -(p0 = \text{and}(\text{Status} = \text{off}[0], \ \text{Pot} >= (\text{MaxPot} - 50))), \ \neg (\text{pl} = \text{Status} = \text{on}[1]), \ (\text{p2} = \text{or}(\text{and}(\text{Status} = \text{on}[1], \ \text{AskChange} = 0, \ \text{AskCof} = 0, \ \text{Balance} = 0), \ \text{Status} = \text{error}[2])) \\ & \text{Status} = \text{error}[2])) - [\text{powerDown}] -> \ \text{q4} = (p0 = \text{and}(\text{Status} = \text{off}[0], \ \text{Pot} >= (\text{MaxPot} - 50))), \ \neg (\text{p1} = \text{Status} = \text{on}[1]), \ \neg (\text{p2} = \text{or}(\text{and}(\text{Status} = \text{on}[1]), \ \neg (\text{p2} = \text{or}(\text{and}(\text{Status} = \text{on}[1]), \ \text{q2} = \neg (\text{p0} = \text{and}(\text{Status} = \text{off}[0], \ \text{Pot} >= (\text{MaxPot} - 50))), \ \neg (\text{p1} = \text{Status} = \text{on}[1], \ \text{AskChange} = 0, \ \text{AskCof} = 0, \ \text{Balance} = 0), \ \text{Status} = \text{error}[2])) \\ & \text{Status} = \text{error}[2])) - [\text{serveCof}] -> \ \text{q1} = \neg (\text{p0} = \text{and}(\text{Status} = \text{off}[0], \ \text{Pot} >= (\text{MaxPot} - 50))), \ \neg (\text{p1} = \text{Status} = \text{on}[1]), \ (\text{p2} = \text{or}(\text{and}(\text{Status} = \text{on}[1]), \ \text{AskChange} = 0, \ \text{AskCof} = 0, \ \text{Balance} = 0), \ \text{Status} = \text{error}[2])) \\ & \text{AskCof} = 0, \ \text{Balance} = 0), \ \text{Status} = \text{error}[2])) \end{aligned}
            SET_UNRCHD_AS:
            SET UNRCHD EXPECTED AS:
            SET_UNRCHD AT:
            SET UNRCHD EXPECTED AT:
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TIME ATS: 00:00:45 711