```
Results for RCXPASO (in 00:00:10.373):
    NB EV: 4
    AP: AP0
    NB AP: 2
    NB_MAY: -1
    NB_MUST_MINUS: -1
    NB MUST PLUS: -1
    NB MUST SHARP: -1
    NB AS: 4
    NB AS RCHD: 4
    TAU AS: 100.00
    NB AT: 11
    NB_AT_RCHD: 11
    TAU AT: 100.00
    NB_EXPECTED_AS: 4
    NB_EXPECTED_AS_RCHD: 4
    TAU EXPECTED AS: 100.00
    NB EXPECTED AT: 2
    NB EXPECTED AT RCHD: 2
    TAU_EXPECTED_AT: 100.00
    NB CS: 56
    NB CS RCHD: 44
    NB CT: 55
    NB CT RCHD: 48
    RHO CS: 78.57
    RHO CT: 87.27
    NB TESTS: 8
    NB_STEPS: 90
    TESTS:
       \texttt{c0q1} = \texttt{bat(1)} = 9, \ \texttt{bat(2)} = 9, \ \texttt{bat(3)} = 9, \ \texttt{bat(4)} = 9, \ \texttt{bat(5)} = 9, \ \texttt{bat(6)} = 9, \ \texttt{bat(7)} = 9, \ \texttt{bat(8)} = 9, \ \texttt{h=7}, \ \texttt{sw=1} - [ \ \texttt{Fail} \ ] -> \ \texttt{c1q1} = \ \texttt{bat(1)} = 8, \ \texttt{bat(2)} = 9, \ \texttt{bat(2)} = 9, \ \texttt{bat(2)} = 9, \ \texttt{bat(3)} = 9, \ \texttt{bat(3)
    bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=9, bat(8)=9, bat(7)=9, bat(8)=9, bat(8)=9, bat(8)=9, bat(8)=9, bat(9)=9, bat(
  C1q1 = bat(1)=8, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(6)=9, bat(7)=9, bat(8)=9, n=7, sw=2 -[ Repair ]-> c2q1 = bat(1)=9, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(6)=9, bat(6)=9, bat(7)=9, bat(8)=9, h=7, sw=2 -[ Tic ]-> c3q3 = bat(1)=9, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, 
c3q3 = bat(1)=9, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=9, h=6, sw=2 -[ Commute ]-> c0q1 = bat(1)=9, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=9, h=7, sw=1 cqq1 = bat(1)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(6)=9, bat(7)=9, bat(8)=9, h=7, sw=1 -[ Fail ]-> c47q1 = bat(1)=8, bat(2)=9, bat(3)=9, bat(4)=9, bat(6)=9, bat(6)=9, bat(6)=9, bat(7)=9, bat(8)=9, h=7, sw=6 c47q1 = bat(1)=8, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=8, bat(7)=9, bat(6)=8, bat(7)=9, bat(8)=9, h=7, sw=8 c48q1 = bat(1)=8, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=8, bat(7)=9, bat(6)=8, bat(7)=9, bat(8)=9, h=7, sw=8 -[ Fail ]-> c49q1 = bat(1)=8, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=8, bat(7)=9, bat(6)=8, bat(7)=9, bat(8)=8, h=7, sw=3 -[ Fail ]-> c50q1 = bat(1)=8, bat(2)=9, bat(3)=8, bat(4)=9, bat(5)=9, bat(6)=8, bat(7)=9, bat(6)=8, bat(7)=9, bat(8)=8, h=7, sw=3 -[ Fail ]-> c50q1 = bat(1)=8, bat(2)=9, bat(3)=8, bat(4)=9, bat(5)=9, bat(6)=8, bat(7)=9, bat(6)=8, bat(7)=9, bat(8)=8, h=7, sw=7 -[ Fail ]-> c51q1 = bat(1)=8, bat(2)=9, bat(3)=8, bat(4)=9, bat(5)=9, bat(6)=8, bat(7)=9, bat(6)=8, bat(7)=9, bat(6)=8, bat(7)=9, bat(8)=8, h=7, sw=7 -[ Fail ]-> c51q1 = bat(1)=8, bat(2)=9, bat(3)=8, bat(4)=9, bat(5)=9, bat(6)=8, bat(5)=9, bat(6)=8, bat(7)=9, bat(6)=8, bat(7)=9, bat(8)=8, h=7, sw=2 -[ Fail ]-> c51q1 = bat(1)=8, bat(2)=9, bat(3)=8, bat(4)=9, bat(5)=9, bat(6)=8, bat(7)=8, bat(6)=8, bat(7)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=2 -[ Fail ]-> c52q1 = bat(1)=8, bat(2)=8, bat(2)=9, bat(3)=8, bat(4)=9, bat(5)=9, bat(6)=8, bat(5)=9, bat(6)=8, bat(7)=8, bat(6)=8, bat(7)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=2 -[ Fail ]-> c52q1 = bat(1)=8, bat(2)=8, bat(2)=9, bat(3)=8, bat(4)=9, bat(5)=9, bat(6)=8, bat(7)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=2 -[ Fail ]-> c52q1 = bat(1)=8, bat(2)=8, bat(2)=8, bat(2)=9, bat(3)=8, bat(4)=9, bat(5)=9, bat(5)=9, bat(5)=9, bat(6)=8, bat(7)=8, bat(8)=8, hat(7)=8, bat(8)=8, hat(7)=8, bat(8)=8, hat(7)=8, bat(8)=8, hat(7)=8, bat(8)=8, hat(7)=8, bat(
  Dat(3)=8, Dat(4)=9, Dat(5)=9, Dat(6)=8, Dat(7)=8, Dat(8)=8, h=7, Sw=2 c51q1 = Dat(1)=8, Dat(2)=9, Dat(3)=8, Dat(4)=9, Dat(5)=9, Dat(6)=8, Dat(7)=8, Dat(7)=8, Dat(8)=8, Dat(8)=8
      c0q1 = bat(1)=9, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=9, bat(8)=9, bat(2)=9, bat(2)=9
Ceq1 = Dat(1)=9, Dat(2)=9, Dat(3)=9, Dat(4)=9, Dat(5)=9, Dat(6)=9, Dat(6)=9, Dat(7)=9, Dat(8)=9, Dat(8)=9,
  bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(7)=9, bat(8)=9, h=6, sw=1
c5q3 = bat(1)=9, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=9, h=6, sw=1
c2q3 = bat(1)=8, bat(2)=9, bat(6)=9, bat(7)=9, bat(8)=9, h=6, sw=2
c22q3 = bat(1)=8, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=9, h=6, sw=2
c22q3 = bat(1)=8, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=9, h=6, sw=2 -[ Fail ]-> c23q3 = bat(1)=8, bat(2)=8,
    bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=9, bat(7)=9, bat(8)=9, bat(1)=8, bat(2)=8, bat(2)=8, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(6)=9, bat(7)=9, bat(8)=9, bat(8)
    bat(3)=9, bat(4)=9, bat(5)=8, bat(6)=9, bat(7)=9, bat(8)=9, bat(7)=9, bat(8)=9, bat(1)=8, bat(2)=8, bat(2)=8, bat(3)=9, bat(4)=9, bat(5)=8, bat(6)=9, bat(7)=9, bat(8)=9, bat(8)
    C24q3 = bat(1)=8, bat(2)=8, bat(3)=9, bat(4)=9, bat(5)=8, bat(6)=9, bat(6)=9, bat(7)=9, bat(7)=9, bat(8)=8, bat(6)=9, bat(7)=9, bat(8)=8, bat(8)=8, bat(8)=8, bat(8)=8, bat(8)=8, bat(8)=9, bat(4)=9, bat(6)=9, bat(7)=8, bat(8)=8, bat(8)=8
    bat(3)=9, bat(4)=9, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=6, sw=4

c27q3 = bat(1)=8, bat(2)=8, bat(3)=9, bat(4)=9, bat(5)=8, bat(6)=8, bat(7)=8, bat(7)=8, bat(8)=8, h=6, sw=4

c27q3 = bat(1)=8, bat(2)=8, bat(6)=8, bat(6)=8
      c28q2 = bat(1)=8, bat(2)=8, bat(3)=9, bat(4)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, b=6, sw=3 -[Repair]-> c34q3 = bat(1)=9, bat(2)=8,
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bat(3)=9, bat(4)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=6, sw=3

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 c34q3 = bat(1)=9, \ bat(2)=8, \ bat(3)=9, \ bat(4)=8, \ bat(5)=8, \ bat(6)=8, \ bat(7)=8, \ bat(8)=8, \ h=6, \ sw=3 -[ \ Fail \ ]-> c19q2 = bat(1)=9, \ bat(2)=8, \ bat(3)=8, \ bat(4)=8, \ bat(5)=8, \ bat(6)=8, \ bat(7)=8, \ bat(8)=8, \ h=6, \ sw=1 
    c19q2 = bat(1)=9, bat(2)=8, bat(3)=8, bat(4)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, bat(8)=8, bat(9)=8, bat(9)=9, bat(9)=8, bat(9)=8
    c0q1 = bat(1)=9, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=9, bat(8)=9, bat(9)=9, bat(1)=8, bat(1)=8, bat(2)=9, bat(1)=8, bat(2)=9, bat(1)=8, bat(1)=8, bat(2)=9, bat(1)=8, bat(1)=8, bat(2)=9, bat(1)=8, bat(2)=9, bat(1)=8, bat(2)=9, bat(2)=9
  bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(6)=9, bat(7)=9, bat(8)=9, h=7, sw=2 -[ Repair ]-> c2q1 = bat(1)=9, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=9, h=7, sw=2 -[ Repair ]-> c2q1 = bat(1)=9, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(
c2q1 = bat(1)=9, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=9, h=7, sw=2 -[ Tic ]-> c3q3 = bat(1)=9, bat(2)=9, bat(2)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=9, h=6, sw=2 -[ Fail ]-> c4q3 = bat(1)=9, bat(2)=8, bat(3)=9, bat(4)=9, bat(5)=9, bat(5)=9, bat(8)=9, h=6, sw=1 -[ Fail ]-> c4q3 = bat(1)=8, bat(3)=9, bat(4)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(6)=9, bat(7)=9, bat(8)=9, bat(8)=9, h=6, sw=1 -[ Fail ]-> c23q3 = bat(1)=8, bat(2)=8, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=9, bat(8)=9, h=6, sw=5 -[ Fail ]-> c24q3 = bat(1)=8, bat(3)=9, bat(4)=9, bat(5)=8, bat(3)=9, bat(4)=9, bat(5)=8, bat(3)=9, bat(4)=9, bat(5)=8, bat(3)=9, bat(4)=9, bat(6)=9, bat(7)=9, bat(6)=9, bat(7)=9, bat(8)=9, bat
    c24q3 = bat(1)=8, bat(2)=8, bat(3)=9, bat(4)=9, bat(4)=9, bat(6)=9, bat(7)=9, bat(8)=9, bat(8)=9, bat(8)=9, bat(9)=9, bat(9)=9
    c25q3 = bat(1)=8, bat(2)=8, bat(3)=9, bat(4)=9, bat(5)=8, bat(6)=9, bat(7)=9, bat(8)=8, bat(8)=8, bat(9)=8, bat(9)=8
    c26q3 = bat(1)=8, bat(2)=8, bat(3)=9, bat(4)=9, bat(5)=8, bat(6)=9, bat(6)=9, bat(7)=8, bat(8)=8, h=6, sw=6 -[ Fail ]-> c27q3 = bat(1)=8, bat(2)=8, bat(3)=9, bat(4)=9, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=6, sw=4
    c27q3 = bat(1)=8, bat(2)=8, bat(3)=9, bat(4)=9, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, bat(8)=8, bat(8)=8, bat(9)=8, bat(9)=8
    c28q2 = bat(1)=8, bat(2)=8, bat(3)=9, bat(4)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, bat(8)=8, bat(8)=8, bat(9)=8, bat(9)=8
    c34q3 = bat(1)=9, bat(2)=8, bat(3)=9, bat(4)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, bat(8)=8, bat(8)=8, bat(4)=8, bat(5)=8, bat(6)=8, bat(6)=8
    c19q2 = bat(1)=9, bat(2)=8, bat(3)=8, bat(4)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, ba=6, ba=6
    *************************************
    c0q1 = bat(1)=9, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=9, bat(8)=9, bat(2)=9, bat(2)=9
  bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(7)=9, bat(8)=9, bat(7)=9, bat(8)=9, bat(8)
  C2q1 = Dat(1)=9, Dat(2)=9, Dat(3)=9, Dat(4)=9, Dat(5)=9, Dat(6)=9, Dat(6)=9,
    C30q1 = bat(1)=9, bat(5)=9, bat(5)=9, bat(5)=9, bat(7)=8, bat(3)=9, bat(7)=9, bat(7)=9, bat(8)=8, h=7, sw=3
c37q1 = bat(1)=9, bat(2)=8, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=8, bat(7)=8, bat(8)=8, h=7, sw=3
c37q1 = bat(1)=9, bat(2)=8, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(6)=9, bat(7)=8, bat(7)=8, bat(8)=8, h=7, sw=4
      c38q1 = bat(1)=9, bat(2)=8, bat(3)=8, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=8, bat(8)=8, b=7, sw=4 -[ Fail ]-> c39q1 = bat(1)=9, bat(2)=8, bat(3)=8, bat(4)=8, bat(4)=8,
    bat(3)=8, bat(4)=8, bat(5)=9, bat(6)=9, bat(7)=8, bat(8)=8, bat(7)=8, bat(7)=8, bat(9)=9, bat(1)=9, bat(1)=9, bat(1)=9, bat(2)=8, bat(3)=8, bat(4)=8, bat(5)=9, bat(6)=8, bat(7)=8, bat(8)=8, bat(7)=8, bat(8)=8, bat(4)=8, bat(5)=9, bat(6)=8, bat(7)=8, bat(8)=8, bat(8)=8, bat(8)=8, bat(4)=8, bat(5)=9, bat(6)=8, bat(7)=8, bat(8)=8, bat(8)
    bat(3)=8, bat(4)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(6)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=5 -[ Fail ]-> c17q0 = bat(1)=9, bat(2)=8, bat(3)=8, bat(4)=8, bat(5)=8, bat(6)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=1 c17q0 = bat(1)=9, bat(2)=8, bat(3)=8, bat(4)=8, bat(3)=8, bat(4)=8, bat(5)=8, bat(6)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(7)=8, bat(7)=8, bat(7)=8, bat(8)=8, h=7, sw=1 -[ Tic ]-> c19q2 = bat(1)=9, bat(2)=8, bat(3)=8, bat(4)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=6, sw=1
    C19q2 = bat(1)=9, bat(2)=8, bat(3)=8, bat(4)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=6, sw=1 -[ Repair ]-> c53q3 = bat(1)=9, bat(2)=8, bat(3)=8, bat(4)=9, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=6, sw=1 -[ Repair ]-> c53q3 = bat(1)=9, bat(2)=8, bat(3)=8, bat(4)=9, bat(5)=8, bat(6)=8, bat(6)=8, bat(8)=8, h=6, sw=1 -[ Repair ]-> c53q3 = bat(1)=9, bat(2)=8, bat(3)=8, ba
      c0q1 = bat(1)=9, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=9, bat(8)=9, bat(2)=9, bat(2)=9
  bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=9, bat(7)=9, bat(8)=9, har, sw=1 -[ Falt ]-> clq1 = bat(1)=8, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(6)=9, bat(6)=9, bat(7)=9, bat(8)=9, har, sw=2 -[ Repair ]-> c2q1 = bat(1)=9, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(6)=9, bat(6)=9, bat(7)=9, bat(8)=9, har, sw=2 -[ Tic ]-> c3q3 = bat(1)=9, bat(2)=9, bat(3)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(6)=9
  bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=9, bat(8)=9, bat(6)=9, bat(6)
  bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(6)=9, bat(7)=9, bat(7)=9, bat(7)=9, bat(8)=8, h=6, sw=4 -[ Fail ]-> c3lq3 = bat(1)=9, bat(3)=9, bat(3)=9, bat(4)=8, bat(3)=9, bat(6)=9, bat(6)=9, bat(6)=9, bat(7)=9, bat(8)=8, h=6, sw=4 -[ Fail ]-> c3lq3 = bat(1)=9, bat(2)=8, bat(3)=9, bat(4)=8, bat(5)=9, bat(6)=9, bat(6)=9, bat(7)=9, bat(8)=8, h=6, sw=5 -[ Fail ]-> c3lq3 = bat(1)=9, bat(2)=8, bat(3)=9, bat(4)=8, bat(5)=9, bat(6)=9, bat(6)=9, bat(7)=9, bat(8)=8, h=6, sw=5 -[ Fail ]-> c3lq3 = bat(1)=9, bat(2)=8, bat(3)=9, bat(4)=8, bat(5)=9, bat(6)=9, bat(6)=9, bat(7)=9, bat(8)=8, h=6, sw=5 -[ Fail ]-> c3lq3 = bat(1)=9, bat(2)=8, bat(3)=9, bat(4)=8, bat(5)=9, bat(6)=9, bat(7)=9, bat(7)=9, bat(8)=8, h=6, sw=5 -[ Fail ]-> c3lq3 = bat(1)=9, bat(2)=8, bat(3)=9, bat(4)=8, bat(5)=9, bat(6)=9, bat(7)=9, bat(7)=9, bat(8)=8, h=6, sw=5 -[ Fail ]-> c3lq3 = bat(1)=9, bat(2)=8, bat(3)=9, bat(3)
  C31d3 = Dat(1)=9, Dat(2)=8, Dat(3)=9, Dat(4)=8, Dat(5)=9, Dat(5)=9, Dat(6)=9, Dat(7)=9, Dat(7)=9, Dat(8)=8, N=5, N=5 - [ Pail 1]-9 C32d3 = Dat(1)=9, Dat(2)=8, Dat(3)=9, Dat(4)=8, Dat(5)=8, Dat(6)=9, Dat(6)=9, Dat(7)=9, Dat(8)=8, N=6, SW=6 - [ Pail 1]-9 C33d3 = Dat(1)=9, Dat(2)=8, Dat(3)=9, Dat(4)=8, Dat(6)=9, Dat(6)=9, Dat(7)=8, Dat(6)=9, Dat(7)=8, Dat(6)=9, Dat(7)=8, Dat(8)=8, N=6, SW=6 - [ Pail 1]-9 C34d3 = Dat(1)=9, Dat(1)=9, Dat(2)=8, Dat(1)=9, Dat(2)=8, Dat(1)=9, Dat(2)=8, Dat(1)=9, Dat(2)=8, Dat(1)=9, Dat
      bat(3)=9, bat(4)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=6, sw
      c34q3 = bat(1)=9, bat(2)=8, bat(3)=9, bat(4)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, b=6, sw=3 -[Fail]-> c19q2 = bat(1)=9, bat(2)=8,
    bat(3)=8, bat(4)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(6)=8, bat(7)=8, bat(6)=8, bat(4)=8, bat(5)=8, bat(4)=8, bat(5)=8, bat(6)=8, bat(6)
    bat(3)=8, bat(4)=9, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=6, sw=1
       \texttt{c0q1} = \texttt{bat(1)} = 9, \ \texttt{bat(2)} = 9, \ \texttt{bat(3)} = 9, \ \texttt{bat(4)} = 9, \ \texttt{bat(5)} = 9, \ \texttt{bat(6)} = 9, \ \texttt{bat(7)} = 9, \ \texttt{bat(8)} = 9, \ \texttt{h=7}, \ \texttt{sw=1} - \texttt{[Fail]} > \texttt{c1q1} = \texttt{bat(1)} = 8, \ \texttt{bat(2)} = 9, \ \texttt{bat(2)} = 9, \ \texttt{bat(3)} = 9, \ \texttt{bat(3)} = 9, \ \texttt{bat(3)} = 9, \ \texttt{bat(4)} = 9, \ \texttt{
c0q1 = bat(1)=9, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=9, h=7, sw=1 -[Fail] -> c1q1 = bat(1)=8, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(6)=9, bat(8)=9, h=7, sw=2 -[Repair] -> c2q1 = bat(1)=9, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(6)=9, bat(7)=9, bat(8)=9, h=7, sw=2 -[Repair] -> c2q1 = bat(1)=9, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(6)=9, bat(7)=9, bat(8)=9, h=7, sw=2 -[Fail] -> c35q1 = bat(1)=9, bat(2)=8, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=9, h=7, sw=7 -[Fail] -> c36q1 = bat(1)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=8, h=7, sw=7 -[Fail] -> c36q1 = bat(1)=9, bat(2)=8, bat(3)=9, bat(4)=9, bat(5)=9, bat(4)=9, bat(5)=9, bat(5)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(6)=9, bat(7)=9, bat(8)=8, h=7, sw=7 -[Fail] -> c37q1 = bat(1)=9, bat(2)=8, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=8, bat(8)=8, h=7, sw=3 -[Fail] -> c38q1 = bat(1)=9, bat(2)=8, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=8, bat(6)=9, bat(7)=8, bat(6)=9, bat(1)=9, bat(1)
    bat(3)=8, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=8, bat(8)=8, h=7, sw=4 c38q1 = bat(1)=9, bat(2)=8, bat(3)=8, bat(4)=9, bat(5)=9, bat(5)=9, bat(6)=9, bat(7)=8, bat(8)=8, h=7, sw=4 -[ Fail ]-> c39q1 = bat(1)=9, bat(2)=8,
    bat(3)=8, bat(4)=8, bat(5)=9, bat(6)=9, bat(7)=8, bat(8)=8, h=7, sw=5 c39q1 = bat(1)=9, bat(2)=8, bat(3)=8, bat(4)=8, bat(5)=9, bat(6)=9, bat(7)=8, bat(8)=8, bat(8)
    bat(3)=8, bat(4)=8, bat(5)=9, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=5 
c40q1 = bat(1)=9, bat(2)=8, bat(3)=8, bat(4)=8, bat(5)=9, bat(6)=8, bat(7)=8, bat(7)=8, bat(8)=8, h=7, sw=5 -[ Fail ]-> c17q0 = bat(1)=9, bat(2)=8,
    bat(3)=8, bat(4)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=1 c17q0 = bat(1)=9, bat(2)=8, bat(3)=8, bat(4)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, bat(8)
    c2q1 = bat(1)=9, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=9, bat(8)=9, bat(9)=9, bat(9)=9
    bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(6)=9, bat(7)=9, bat(7)=9, bat(8)=9, bat(
      c36q1 = bat(1)=9, bat(2)=8, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=8, bat(8)=8, bat(9)=8, bat(9)=8
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bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=8, bat(8)=8, h=7, sw=3 c37q1 = bat(1)=9, bat(2)=8, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=8, bat(7)=8, bat(8)=8, h=7, sw=3 -[ Fail ]-> c38q1 = bat(1)=9, bat(2)=8, bat(3)=8, bat(4)=9, bat(6)=9, bat(6)=9, bat(6)=9, bat(7)=8, bat(8)=8, h=7, sw=4 -[ Fail ]-> c39q1 = bat(1)=9, bat(2)=8, bat(3)=8, bat(3)=8, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=8, bat(8)=8, h=7, sw=4 -[ Fail ]-> c39q1 = bat(1)=9, bat(2)=8, bat(3)=8, bat(3)=8
     bat(3)=8, bat(4)=8, bat(5)=9, bat(6)=9, bat(7)=8, bat(8)=8, h=7, sw=5 c39q1 = bat(1)=9, bat(2)=8, bat(3)=8, bat(4)=8, bat(5)=9, bat(6)=9, bat(7)=8, bat(8)=8, h=7, sw=5 -[ Fail ]-> c40q1 = bat(1)=9, bat(2)=8, bat(3)=8, bat(4)=8, bat(5)=9, bat(6)=9, bat(7)=8, bat(8)=8, h=7, sw=5 -[ Fail ]-> c40q1 = bat(1)=9, bat(2)=8, bat(3)=8, bat(3)=8
   tasq1 = bat(1)=9, bat(2)=0, bat(3)=0, bat(4)=8, bat(6)=9, bat(6)=9, bat(6)=9, bat(6)=8, bat(6)=8
     bat(3)=8, bat(4)=8, bat(5)=9, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=1
   bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=8, h=7, sw=3 c42q1 = bat(1)=8, bat(2)=8, bat(2)=8, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=8, h=7, sw=3 -[Fail]-> c43q1 = bat(1)=8, bat(3)=8, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(6)=9, bat(7)=9, bat(7)=9, bat(8)=8, h=7, sw=6 c43q1 = bat(1)=8, bat(2)=8, bat(3)=8, bat(4)=9, bat(5)=9, bat(6)=9, bat(5)=9, bat(6)=9, bat(6)=9, bat(6)=9, bat(6)=8, h=7, sw=6
 bat(3)=8, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=8, bat(8)=8, h=7, sw=6 c4q1 = bat(1)=8, bat(2)=8, bat(3)=8, bat(4)=9, bat(5)=9, bat(6)=9, bat(5)=9, bat(6)=8, bat(4)=9, bat(5)=9, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=6 -[ Fail ]-> c45q1 = bat(1)=8, bat(2)=8, bat(3)=8, bat(4)=9, bat(5)=9, bat(6)=8, bat(7)=8, bat(7)=8, bat(7)=8, bat(8)=8, h=7, sw=5 -[ Fail ]-> c46q0 = bat(1)=8, bat(2)=8, bat(3)=8, bat(4)=9, bat(5)=8, bat(6)=8, bat(7)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=5 -[ Fail ]-> c46q0 = bat(1)=8, bat(2)=8, bat(3)=8, bat(4)=9, bat(5)=8, bat(6)=8, bat(7)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=4 -[ Repair ]-> c54q1 = bat(1)=8, bat(2)=8, bat(3)=9, bat(4)=9, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=4 -[ Repair ]-> c54q1 = bat(1)=8, bat(2)=8, bat(3)=9, bat(4)=9, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=4 -[ Repair ]-> c54q1 = bat(1)=8, bat(2)=8, bat(3)=9, bat(4)=9, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=4 -[ Repair ]-> c54q1 = bat(1)=8, bat(2)=8, bat(3)=9, bat(4)=9, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=4 -[ Repair ]-> c54q1 = bat(1)=8, bat(2)=8, bat(3)=9, bat(4)=9, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=4 -[ Repair ]-> c54q1 = bat(1)=8, bat(2)=8, bat(3)=9, bat(4)=9, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=4 -[ Repair ]-> c54q1 = bat(1)=8, bat(2)=8, bat(3)=8, bat(3
     SET EXPECTED AS:
    \begin{array}{l} \mathsf{SEI} = \mathsf{EXPECIED}_{\mathsf{AS:}} \\ \mathsf{q0} = \neg (\mathsf{p0} = \mathsf{h} = \mathsf{tic}[6]), \ \neg (\mathsf{p1} = \exists (\mathsf{i}, \ \mathsf{j}).(\mathsf{and}(\mathsf{and}(\mathsf{i} \in [1..n], \ \mathsf{j} \in [1..n]), \ \mathsf{and}(\mathsf{i} \neq \mathsf{j}, \ \mathsf{bat}(\mathsf{i}) = \mathsf{ok}[9], \ \mathsf{bat}(\mathsf{j}) = \mathsf{ok}[9])))) \\ \mathsf{q2} = (\mathsf{p0} = \mathsf{h} = \mathsf{tic}[6]), \ \neg (\mathsf{p1} = \exists (\mathsf{i}, \ \mathsf{j}).(\mathsf{and}(\mathsf{and}(\mathsf{i} \in [1..n], \ \mathsf{j} \in [1..n]), \ \mathsf{and}(\mathsf{i} \neq \mathsf{j}, \ \mathsf{bat}(\mathsf{i}) = \mathsf{ok}[9], \ \mathsf{bat}(\mathsf{j}) = \mathsf{ok}[9])))) \\ \mathsf{q3} = (\mathsf{p0} = \mathsf{h} = \mathsf{tic}[6]), \ (\mathsf{p1} = \exists (\mathsf{i}, \ \mathsf{j}).(\mathsf{and}(\mathsf{and}(\mathsf{i} \in [1..n], \ \mathsf{j} \in [1..n]), \ \mathsf{and}(\mathsf{i} \neq \mathsf{j}, \ \mathsf{bat}(\mathsf{i}) = \mathsf{ok}[9], \ \mathsf{bat}(\mathsf{j}) = \mathsf{ok}[9])))) \\ \mathsf{q3} = (\mathsf{p0} = \mathsf{h} = \mathsf{tic}[6]), \ (\mathsf{p1} = \exists (\mathsf{i}, \ \mathsf{j}).(\mathsf{and}(\mathsf{and}(\mathsf{i} \in [1..n], \ \mathsf{j} \in [1..n]), \ \mathsf{and}(\mathsf{i} \neq \mathsf{j}, \ \mathsf{bat}(\mathsf{i}) = \mathsf{ok}[9], \ \mathsf{bat}(\mathsf{j}) = \mathsf{ok}[9])))) \\ \end{aligned}
     SET RCHD AS:
    q_0 = \neg(p_0 = h = tic[6]), \ \neg(p_1 = \exists(i, j).(and(and(i \in [1..n], j \in [1..n]), and(i \neq j, bat(i) = ok[9], bat(j) = ok[9])))) \\ q_1 = \neg(p_0 = h = tic[6]), \ (p_1 = \exists(i, j).(and(and(i \in [1..n], j \in [1..n]), and(i \neq j, bat(i) = ok[9], bat(j) = ok[9])))) \\ q_2 = (p_0 = h = tic[6]), \ \neg(p_1 = \exists(i, j).(and(and(i \in [1..n], j \in [1..n]), and(i \neq j, bat(i) = ok[9], bat(j) = ok[9])))) \\ q_3 = (p_0 = h = tic[6]), \ (p_1 = \exists(i, j).(and(and(i \in [1..n], j \in [1..n]), and(i \neq j, bat(i) = ok[9], bat(j) = ok[9])))) \\ q_4 = (p_0 = h = tic[6]), \ (p_1 = \exists(i, j).(and(and(i \in [1..n], j \in [1..n]), and(i \neq j, bat(i) = ok[9], bat(j) = ok[9])))) \\ q_5 = (p_0 = h = tic[6]), \ (p_1 = \exists(i, j).(and(and(i \in [1..n], j \in [1..n]), and(i \neq j, bat(i) = ok[9], bat(j) = ok[9])))) \\ q_5 = (p_0 = h = tic[6]), \ (p_1 = \exists(i, j).(and(and(i \in [1..n], j \in [1..n]), and(i \neq j, bat(i) = ok[9], bat(j) = ok[9])))) \\ q_7 = (p_0 = h = tic[6]), \ (p_1 = \exists(i, j).(and(and(i \in [1..n], j \in [1..n]), and(i \neq j, bat(i) = ok[9], bat(j) = ok[9]))) \\ q_7 = (p_0 = h = tic[6]), \ (p_1 = \exists(i, j).(and(and(i \in [1..n], j \in [1..n]), and(i \neq j, bat(i) = ok[9], bat(j) = ok[9]))) \\ q_7 = (p_0 = h = tic[6]), \ (p_1 = \exists(i, j).(and(and(i \in [1..n], j \in [1..n]), and(i \neq j, bat(i) = ok[9], bat(j) = ok[9]))) \\ q_7 = (p_0 = h = tic[6]), \ (p_1 = \exists(i, j).(and(and(i \in [1..n], j \in [1..n]), and(i \neq j, bat(i) = ok[9], bat(j) = ok[9]))) \\ q_7 = (p_0 = h = tic[6]), \ (p_1 = \exists(i, j).(and(and(i \in [1..n], j \in [1..n]), and(i \neq j, bat(i) = ok[9], bat(j) = ok[9]))) \\ q_7 = (p_0 = h = tic[6]), \ (p_1 = \exists(i, j).(and(and(i \in [1..n], j \in [1..n]), and(i \neq j, bat(i) = ok[9], bat(j) = ok[9]))) \\ q_7 = (p_0 = h = tic[6]), \ (p_1 = \exists(i, j).(and(and(i \in [1..n], j \in [1..n]), and(i \neq j, bat(i) = ok[9], bat(j) = ok[9]))) \\ q_7 = (p_0 = h = tic[6]), \ (p_1 = \exists(i, j).(and(and(i \in [1..n], j \in [1..n]), and(i \neq j, bat(i) = ok[9], bat(i) = ok[9]))) \\ q_7 = (p_0 = h = tic[6]), \ (p_1 = \exists(i, j).(and(and(i \in [1..n], j \in [1..n]), and(i \neq j, bat(i) = ok[9], bat(i) = ok[9]))) \\ q_7 = (p_0 = h = tic[6]), \ (p_1 = \exists(i, j).(and(
     SET RCHD EXPECTED AS:
   SET_EXPECTED_AT:

q1 = \neg(p0 = h=ti)
   SET_RCHD_AT:

q0 = ¬(p0 = h=tic[6]), ¬(p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9]))) -[ Repair ]-> q1 = ¬(p0 = h=tic[6]), ¬(p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9])))) -[ Tic ]-> q2 = (p0 = h=tic[6]), ¬(p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9])))) -[ Tic ]-> q2 = (p0 = h=tic[6]), ¬(p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9])))) -[ Fail ]-> q0 = ¬(p0 = h=tic[6]), ¬(p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9])))) -[ Fail ]-> q0 = ¬(p0 = h=tic[6]), ¬(p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9])))) -[ Fail ]-> q1 = ¬(p0 = h=tic[6]), (p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9])))) -[ Fail ]-> q1 = ¬(p0 = h=tic[6]), (p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9])))) -[ Repair ]-> q1 = ¬(p0 = h=tic[6]), ¬(p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9])))) -[ Tic ]-> q3 = (p0 = h=tic[6]), ¬(p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9])))) -[ Tic ]-> q3 = (p0 = h=tic[6]), ¬(p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9])))) -[ Repair ]-> q3 = (p0 = h=tic[6]), ¬(p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9])))) -[ Repair ]-> q3 = (p0 = h=tic[6]), ¬(p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9])))) -[ Fail ]-> q2 = (p0 = h=tic[6]), ¬(p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9])))) -[ Fail ]-> q2 = (p0 = h=tic[6]), ¬(p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9])))) -[ Fail ]-> q3 = (p0 = h=tic[6]), ¬(p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9])))) -[ Fail ]-> q3 = (p0 = h=tic[6]), ¬(
     SET_RCHD_AT:
     SET_RCHD_EXPECTED_AT:
    q_1 = \neg(p\theta = h + tic[6]), \ (p1 = \exists (i, j).(and(and(i \in [1..n], j \in [1..n]), and(i \neq j, bat(i) + ok[9], bat(j) + ok[9])))) - [Fail] -> q\theta = \neg(p\theta = h + tic[6]), \ \neg(p1 = \exists (i, j).(and(and(i \in [1..n], j \in [1..n]), and(i \neq j, bat(i) + ok[9], bat(j) + ok[9])))) - [Fail] -> q\theta = \neg(p\theta = h + ok[6]), \ \neg(p1 = \exists (i, j).(and(and(i \in [1..n], j \in [1..n]), and(i \neq j, bat(i) + ok[9], bat(j) + ok[9])))) - [Fail] -> q\theta = \neg(p\theta = h + ok[6]), \ \neg(p1 = \exists (i, j).(and(and(i \in [1..n], j \in [1..n]), and(i \neq j, bat(i) + ok[9], bat(j) + ok[9])))) 
     SET_UNRCHD_AS:
     SET_UNRCHD_EXPECTED_AS:
     SET_UNRCHD_AT:
     SET_UNRCHD_EXPECTED_AT:
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TIME\_ATS: 00:00:10.373

TIME\_TESTS: 00:00:00.003