

Results for RCXPASO (in 00:00:04.066):

NB_EV: 11
AP: AP2
NB_AP: 10
NB_MAY: -1
NB_MUST_MINUS: -1
NB_MUST_PLUS: -1
NB_MUST_SHARP: -1
NB_AS: 13
NB_AS_RCHD: 9
TAU_AS: 69.23
NB_AT: 53
NB_AT_RCHD: 27
TAU_AT: 50.94
NB_EXPECTED_AS: 13
NB_EXPECTED_AS_RCHD: 9
TAU_EXPECTED_AS: 69.23
NB_EXPECTED_AT: 53
NB_EXPECTED_AT_RCHD: 27
TAU_EXPECTED_AT: 50.94
NB_CS: 150
NB_CS_RCHD: 109
NB_CT: 176
NB_CT_RCHD: 146
RHO_CS: 72.67
RHO_CT: 82.95
NB_TESTS: 27
NB_STEPS: 365

TESTS:

c0q128 = AskChange=0, AskCof=0, Balance=0, CofLeft=6, Pot=0, Status=0 -[powerUp]-> c1q864 = AskChange=0, AskCof=0, Balance=0, CofLeft=6, Pot=0, Status=1
c1q864 = AskChange=0, AskCof=0, Balance=0, CofLeft=6, Pot=0, Status=1 -[insert100]-> c3q812 = AskChange=0, AskCof=0, Balance=100, CofLeft=6, Pot=0, Status=1
c3q812 = AskChange=0, AskCof=0, Balance=100, CofLeft=6, Pot=0, Status=1 -[changeReq]-> c6q32 = AskChange=1, AskCof=0, Balance=100, CofLeft=6, Pot=0, Status=1
c6q32 = AskChange=1, AskCof=0, Balance=100, CofLeft=6, Pot=0, Status=1 -[backBalance]-> c1q864 = AskChange=0, AskCof=0, Balance=0, CofLeft=6, Pot=0, Status=1
c1q864 = AskChange=0, AskCof=0, Balance=0, CofLeft=6, Pot=0, Status=1 -[powerDown]-> c0q128 = AskChange=0, AskCof=0, Balance=0, CofLeft=6, Pot=0, Status=0
c0q128 = AskChange=0, AskCof=0, Balance=0, CofLeft=6, Pot=0, Status=0 -[powerUp]-> c1q864 = AskChange=0, AskCof=0, Balance=0, CofLeft=6, Pot=0, Status=1
c1q864 = AskChange=0, AskCof=0, Balance=0, CofLeft=6, Pot=0, Status=1 -[insert100]-> c3q812 = AskChange=0, AskCof=0, Balance=100, CofLeft=6, Pot=0, Status=1
c3q812 = AskChange=0, AskCof=0, Balance=100, CofLeft=6, Pot=0, Status=1 -[cofReq]-> c7q33 = AskChange=0, AskCof=1, Balance=100, CofLeft=6, Pot=0, Status=1
c7q33 = AskChange=0, AskCof=1, Balance=100, CofLeft=6, Pot=0, Status=1 -[serveCof]-> c12q32 = AskChange=1, AskCof=0, Balance=50, CofLeft=5, Pot=50, Status=1
c12q32 = AskChange=1, AskCof=0, Balance=50, CofLeft=5, Pot=50, Status=1 -[backBalance]-> c67q864 = AskChange=0, AskCof=0, Balance=0, CofLeft=5, Pot=50, Status=1
c67q864 = AskChange=0, AskCof=0, Balance=0, CofLeft=5, Pot=50, Status=1 -[insert100]-> c68q812 = AskChange=0, AskCof=0, Balance=100, CofLeft=5, Pot=50, Status=1
c68q812 = AskChange=0, AskCof=0, Balance=100, CofLeft=5, Pot=50, Status=1 -[insert100]-> c73q44 = AskChange=0, AskCof=0, Balance=200, CofLeft=5, Pot=50, Status=1
c73q44 = AskChange=0, AskCof=0, Balance=200, CofLeft=5, Pot=50, Status=1 -[cofReq]-> c75q33 = AskChange=0, AskCof=1, Balance=200, CofLeft=5, Pot=50, Status=1
c75q33 = AskChange=0, AskCof=1, Balance=200, CofLeft=5, Pot=50, Status=1 -[serveCof]-> c76q32 = AskChange=1, AskCof=0, Balance=150, CofLeft=4, Pot=100, Status=1
c76q32 = AskChange=1, AskCof=0, Balance=150, CofLeft=4, Pot=100, Status=1 -[backBalance]-> c79q864 = AskChange=0, AskCof=0, Balance=0, CofLeft=4, Pot=100, Status=1
c79q864 = AskChange=0, AskCof=0, Balance=0, CofLeft=4, Pot=100, Status=1 -[insert100]-> c80q812 = AskChange=0, AskCof=0, Balance=100, CofLeft=4, Pot=100, Status=1
c80q812 = AskChange=0, AskCof=0, Balance=100, CofLeft=4, Pot=100, Status=1 -[insert100]-> c85q44 = AskChange=0, AskCof=0, Balance=200, CofLeft=4, Pot=100, Status=1
c85q44 = AskChange=0, AskCof=0, Balance=200, CofLeft=4, Pot=100, Status=1 -[cofReq]-> c87q33 = AskChange=0, AskCof=1, Balance=200, CofLeft=4, Pot=100, Status=1
c87q33 = AskChange=0, AskCof=1, Balance=200, CofLeft=4, Pot=100, Status=1 -[serveCof]-> c88q32 = AskChange=1, AskCof=0, Balance=150, CofLeft=3, Pot=150, Status=1
c88q32 = AskChange=1, AskCof=0, Balance=150, CofLeft=3, Pot=150, Status=1 -[backBalance]-> c91q864 = AskChange=0, AskCof=0, Balance=0, CofLeft=3, Pot=150, Status=1
c91q864 = AskChange=0, AskCof=0, Balance=0, CofLeft=3, Pot=150, Status=1 -[insert100]-> c92q812 = AskChange=0, AskCof=0, Balance=100, CofLeft=3, Pot=150, Status=1
c92q812 = AskChange=0, AskCof=0, Balance=100, CofLeft=3, Pot=150, Status=1 -[insert100]-> c97q44 = AskChange=0, AskCof=0, Balance=200, CofLeft=3, Pot=150, Status=1
c97q44 = AskChange=0, AskCof=0, Balance=200, CofLeft=3, Pot=150, Status=1 -[cofReq]-> c99q33 = AskChange=0, AskCof=1, Balance=200, CofLeft=3, Pot=150, Status=1
c99q33 = AskChange=0, AskCof=1, Balance=200, CofLeft=3, Pot=150, Status=1 -[serveCof]-> c100q32 = AskChange=1, AskCof=0, Balance=150, CofLeft=2, Pot=200, Status=1
c100q32 = AskChange=1, AskCof=0, Balance=150, CofLeft=2, Pot=200, Status=1 -[backBalance]-> c103q864 = AskChange=0, AskCof=0, Balance=0, CofLeft=2, Pot=200, Status=1
c103q864 = AskChange=0, AskCof=0, Balance=0, CofLeft=2, Pot=200, Status=1 -[insert100]-> c104q812 = AskChange=0, AskCof=0, Balance=100,

Pot=0, Status=1
c8q556 = AskChange=0, AskCof=0, Balance=150, CofLeft=6, Pot=0, Status=1 -[changeReq]-> c14q32 = AskChange=1, AskCof=0, Balance=150, CofLeft=6, Pot=0, Status=1
c14q32 = AskChange=1, AskCof=0, Balance=150, CofLeft=6, Pot=0, Status=1 -[autoOut]-> c130q64 = AskChange=1, AskCof=0, Balance=150, CofLeft=6, Pot=0, Status=2

c0q128 = AskChange=0, AskCof=0, Balance=0, CofLeft=6, Pot=0, Status=0 -[powerUp]-> c1q864 = AskChange=0, AskCof=0, Balance=0, CofLeft=6, Pot=0, Status=1
c1q864 = AskChange=0, AskCof=0, Balance=0, CofLeft=6, Pot=0, Status=1 -[insert100]-> c3q812 = AskChange=0, AskCof=0, Balance=100, CofLeft=6, Pot=0, Status=1
c3q812 = AskChange=0, AskCof=0, Balance=100, CofLeft=6, Pot=0, Status=1 -[insert50]-> c8q556 = AskChange=0, AskCof=0, Balance=150, CofLeft=6, Pot=0, Status=1
c8q556 = AskChange=0, AskCof=0, Balance=150, CofLeft=6, Pot=0, Status=1 -[cofReq]-> c15q33 = AskChange=0, AskCof=1, Balance=150, CofLeft=6, Pot=0, Status=1
c15q33 = AskChange=0, AskCof=1, Balance=150, CofLeft=6, Pot=0, Status=1 -[serveCof]-> c65q32 = AskChange=1, AskCof=0, Balance=100, CofLeft=5, Pot=50, Status=1
c65q32 = AskChange=1, AskCof=0, Balance=100, CofLeft=5, Pot=50, Status=1 -[autoOut]-> c129q64 = AskChange=1, AskCof=0, Balance=100, CofLeft=5, Pot=50, Status=2

c0q128 = AskChange=0, AskCof=0, Balance=0, CofLeft=6, Pot=0, Status=0 -[powerUp]-> c1q864 = AskChange=0, AskCof=0, Balance=0, CofLeft=6, Pot=0, Status=1
c1q864 = AskChange=0, AskCof=0, Balance=0, CofLeft=6, Pot=0, Status=1 -[insert50]-> c4q812 = AskChange=0, AskCof=0, Balance=50, CofLeft=6, Pot=0, Status=1
c4q812 = AskChange=0, AskCof=0, Balance=50, CofLeft=6, Pot=0, Status=1 -[cofReq]-> c66q33 = AskChange=0, AskCof=1, Balance=50, CofLeft=6, Pot=0, Status=1
c66q33 = AskChange=0, AskCof=1, Balance=50, CofLeft=6, Pot=0, Status=1 -[serveCof]-> c67q864 = AskChange=0, AskCof=0, Balance=0, CofLeft=5, Pot=50, Status=1
c67q864 = AskChange=0, AskCof=0, Balance=0, CofLeft=5, Pot=50, Status=1 -[insert100]-> c68q812 = AskChange=0, AskCof=0, Balance=100, CofLeft=5, Pot=50, Status=1
c68q812 = AskChange=0, AskCof=0, Balance=100, CofLeft=5, Pot=50, Status=1 -[cofReq]-> c72q33 = AskChange=0, AskCof=1, Balance=100, CofLeft=5, Pot=50, Status=1
c72q33 = AskChange=0, AskCof=1, Balance=100, CofLeft=5, Pot=50, Status=1 -[serveCof]-> c78q32 = AskChange=1, AskCof=0, Balance=50, CofLeft=4, Pot=100, Status=1
c78q32 = AskChange=1, AskCof=0, Balance=50, CofLeft=4, Pot=100, Status=1 -[autoOut]-> c137q64 = AskChange=1, AskCof=0, Balance=50, CofLeft=4, Pot=100, Status=2

c0q128 = AskChange=0, AskCof=0, Balance=0, CofLeft=6, Pot=0, Status=0 -[powerUp]-> c1q864 = AskChange=0, AskCof=0, Balance=0, CofLeft=6, Pot=0, Status=1
c1q864 = AskChange=0, AskCof=0, Balance=0, CofLeft=6, Pot=0, Status=1 -[insert50]-> c4q812 = AskChange=0, AskCof=0, Balance=50, CofLeft=6, Pot=0, Status=1
c4q812 = AskChange=0, AskCof=0, Balance=50, CofLeft=6, Pot=0, Status=1 -[insert50]-> c3q812 = AskChange=0, AskCof=0, Balance=100, CofLeft=6, Pot=0, Status=1
c3q812 = AskChange=0, AskCof=0, Balance=100, CofLeft=6, Pot=0, Status=1 -[insert50]-> c8q556 = AskChange=0, AskCof=0, Balance=150, CofLeft=6, Pot=0, Status=1
c8q556 = AskChange=0, AskCof=0, Balance=150, CofLeft=6, Pot=0, Status=1 -[autoOut]-> c13q64 = AskChange=0, AskCof=0, Balance=150, CofLeft=6, Pot=0, Status=2
c13q64 = AskChange=0, AskCof=0, Balance=150, CofLeft=6, Pot=0, Status=2 -[powerDown]-> c131q128 = AskChange=0, AskCof=0, Balance=150, CofLeft=6, Pot=0, Status=0

c0q128 = AskChange=0, AskCof=0, Balance=0, CofLeft=6, Pot=0, Status=0 -[powerUp]-> c1q864 = AskChange=0, AskCof=0, Balance=0, CofLeft=6, Pot=0, Status=1
c1q864 = AskChange=0, AskCof=0, Balance=0, CofLeft=6, Pot=0, Status=1 -[insert100]-> c3q812 = AskChange=0, AskCof=0, Balance=100, CofLeft=6, Pot=0, Status=1
c3q812 = AskChange=0, AskCof=0, Balance=100, CofLeft=6, Pot=0, Status=1 -[autoOut]-> c5q64 = AskChange=0, AskCof=0, Balance=100, CofLeft=6, Pot=0, Status=2
c5q64 = AskChange=0, AskCof=0, Balance=100, CofLeft=6, Pot=0, Status=2 -[powerDown]-> c49q128 = AskChange=0, AskCof=0, Balance=100, CofLeft=6, Pot=0, Status=0
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SET_EXPECTED_AS:

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Status=error[2])), (p4 = Status=on[1]), -(p5 = and(Status=off[0], Pot >= (MaxPot - 50))), (p6 = and(Status=on[1], Balance >= 50, AskCof=0, AskChange=0)), (p7 = and(Status=on[1], Balance > 0, AskCof=0, AskChange=0)), -(p8 = 3(x).(and(and(x E [1..MaxCof]), and(MaxCof >= (CofLeft + x), Status=off[0], MaxCof > CofLeft)))), -(p9 = and(Status=on[1], Balance >= 50, AskCof=1, CofLeft > 0))
q64 = -(p0 = and(Status=on[1], AskChange=0, AskCof=0, MaxBal >= (Balance + 50))), -(p1 = and(Status=on[1], AskChange=0, AskCof=0, MaxBal >= (Balance + 100))), -(p2 = and(Status=off[0], CofLeft > 0, MaxPot > Pot)), (p3 = or(and(Status=on[1], AskChange=0, AskCof=0, Balance=0), Status=error[2])), -(p4 = Status=on[1]), -(p5 = and(Status=off[0], Pot >= (MaxPot - 50))), -(p6 = and(Status=on[1], Balance >= 50, AskCof=0, AskChange=0)), -(p7 = and(Status=on[1], Balance > 0, AskCof=0, AskChange=0)), -(p8 = 3(x).(and(and(x E [1..MaxCof]), and(MaxCof >= (CofLeft + x), Status=off[0], MaxCof > CofLeft)))), -(p9 = and(Status=on[1], Balance >= 50, AskCof=1, CofLeft > 0))
q812 = (p0 = and(Status=on[1], AskChange=0, AskCof=0, MaxBal >= (Balance + 50)), (p1 = and(Status=on[1], AskChange=0, AskCof=0, MaxBal >= (Balance + 100))), -(p2 = and(Status=off[0], CofLeft > 0, MaxPot > Pot)), -(p3 = or(and(Status=on[1], AskChange=0, AskCof=0, Balance=0), Status=error[2])), (p4 = Status=on[1]), -(p5 = and(Status=off[0], Pot >= (MaxPot - 50))), (p6 = and(Status=on[1], Balance >= 50, AskCof=0, AskChange=0)), (p7 = and(Status=on[1], Balance > 0, AskCof=0, AskChange=0)), -(p8 = 3(x).(and(and(x E [1..MaxCof]), and(MaxCof >= (CofLeft + x), Status=off[0], MaxCof > CofLeft)))), -(p9 = and(Status=on[1], Balance >= 50, AskCof=1, CofLeft > 0))
q864 = (p0 = and(Status=on[1], AskChange=0, AskCof=0, MaxBal >= (Balance + 50)), (p1 = and(Status=on[1], AskChange=0, AskCof=0, MaxBal >= (Balance + 100))), -(p2 = and(Status=off[0], CofLeft > 0, MaxPot > Pot)), (p3 = or(and(Status=on[1], AskChange=0, AskCof=0, Balance=0), Status=error[2])), (p4 = Status=on[1]), -(p5 = and(Status=off[0], Pot >= (MaxPot - 50))), -(p6 = and(Status=on[1], Balance >= 50, AskCof=0, AskChange=0)), -(p7 = and(Status=on[1], Balance > 0, AskCof=0, AskChange=0)), -(p8 = 3(x).(and(and(x E [1..MaxCof]), and(MaxCof >= (CofLeft + x), Status=off[0], MaxCof > CofLeft)))), -(p9 = and(Status=on[1], Balance >= 50, AskCof=1, CofLeft > 0))

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SET_RCHD_AS:

SET_RCHD_EXPECTED_AS:

and(Status=on[1], AskChange=0, AskCof=0, MaxBal >= (Balance + 50)), $\neg(p1 = \text{and}(\text{Status}=on[1], \text{AskChange}=0, \text{AskCof}=0, \text{MaxBal} >= (\text{Balance} + 100)))$, $(p2 = \text{and}(\text{Status}=off[0], \text{CofLeft} > 0, \text{MaxPot} >= \text{Pot}))$, $\neg(p3 = \text{or}(\text{and}(\text{Status}=on[1], \text{AskChange}=0, \text{AskCof}=0, \text{Balance}=0), \text{Status}=\text{error}[2]))$, $\neg(p4 = \text{Status}=on[1])$, $\neg(p5 = \text{and}(\text{Status}=off[0], \text{Pot} >= (\text{MaxPot} - 50)))$, $\neg(p6 = \text{and}(\text{Status}=on[1], \text{Balance} >= 50, \text{AskCof}=0, \text{AskChange}=0))$, $\neg(p7 = \text{and}(\text{Status}=on[1], \text{Balance} > 0, \text{AskCof}=0, \text{AskChange}=0))$, $\neg(p8 = \exists(x).(\text{and}(\text{and}(x \in [.., \text{MaxCof}]), \text{and}(\text{MaxCof} >= (\text{CofLeft} + x), \text{Status}=off[0], \text{MaxCof} > \text{CofLeft}))))$, $\neg(p9 = \text{and}(\text{Status}=on[1], \text{Balance} >= 50, \text{AskCof}=1, \text{CofLeft} > 0))$

SET UNRCHD AS:

SET UNRCHD EXPECTED AS:

SET_UNRCHD_AT:

SET_UNRCHD_EXPECTED_AT:

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q130 =  $\neg(p0 = \text{and}(\text{Status}=\text{on}[1], \text{AskChange}=0, \text{AskCof}=0, \text{MaxBal} \geq (\text{Balance} + 50)))$ ,  $\neg(p1 = \text{and}(\text{Status}=\text{on}[1], \text{AskChange}=0, \text{AskCof}=0, \text{MaxBal} \geq (\text{Balance} + 100)))$ ,  $\neg(p2 = \text{and}(\text{Status}=\text{off}[0], \text{CofLeft} > 0, \text{MaxPot} \geq \text{Pot}))$ ,  $\neg(p3 = \text{or}(\text{and}(\text{Status}=\text{on}[1], \text{AskChange}=0, \text{AskCof}=0, \text{Balance}=0), \text{Status}=\text{error}[2]))$ ,  $\neg(p4 = \text{Status}=\text{on}[1])$ ,  $\neg(p5 = \text{and}(\text{Status}=\text{off}[0], \text{Pot} \geq (\text{MaxPot} - 50)))$ ,  $\neg(p6 = \text{and}(\text{Status}=\text{on}[1], \text{Balance} \geq 50, \text{AskCof}=0, \text{AskChange}=0))$ ,  $\neg(p7 = \text{and}(\text{Status}=\text{on}[1], \text{Balance} > 0, \text{AskCof}=0, \text{AskChange}=0))$ ,  $(p8 = \exists(x).(\text{and}(\text{and}(x \in [1..\text{MaxCof}]), \text{and}(\text{MaxCof} \geq (\text{CofLeft} + x), \text{Status}=\text{off}[0], \text{MaxCof} > \text{CofLeft}))))$ ,  $\neg(p9 = \text{and}(\text{Status}=\text{on}[1], \text{Balance} \geq 50, \text{AskCof}=1, \text{CofLeft} > 0))$  -  $\neg(\text{add Cof}) \rightarrow q128 = \neg(p0 = \text{and}(\text{Status}=\text{on}[1], \text{AskChange}=0, \text{AskCof}=0, \text{MaxBal} \geq (\text{Balance} + 50)))$ ,  $\neg(p1 = \text{and}(\text{Status}=\text{on}[1], \text{AskChange}=0, \text{AskCof}=0, \text{MaxBal} \geq (\text{Balance} + 100)))$ ,  $(p2 = \text{and}(\text{Status}=\text{off}[0], \text{CofLeft} > 0, \text{MaxPot} \geq \text{Pot}))$ ,  $\neg(p3 = \text{or}(\text{and}(\text{Status}=\text{on}[1], \text{AskChange}=0, \text{AskCof}=0, \text{Balance}=0), \text{Status}=\text{error}[2]))$ ,

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TIME_ATS: 00:00:04.066

TIME_TESTS: 00:00:00.018