

Results for RCXP (in 00:00:11.975):

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: 64
 NB_CS_RCHD: 52
 NB_CT: 61
 NB_CT_RCHD: 55
 RHO_CS: 81.25
 RHO_CT: 90.16
 NB_TESTS: 12
 NB_STEPS: 110
 TESTS:
 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)=9, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=8, h=7, sw=1
 c1q1 = bat(1)=9, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=8, h=7, sw=1 -[Tic]-> c8q3 = bat(1)=9, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=8, h=6, sw=1
 c8q3 = bat(1)=9, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=8, h=6, sw=1 -[Commute]-> c15q1 = bat(1)=9, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=8, h=6, sw=1 -[Fail]-> c38q1 = bat(1)=9, bat(2)=8, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=8, h=7, sw=2
 c15q1 = bat(1)=9, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=8, h=7, sw=2 -[Fail]-> c38q1 = bat(1)=9, bat(2)=8, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=8, h=7, sw=7
 c38q1 = 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
 c39q1 = 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]-> c40q1 = bat(1)=9, bat(2)=8, bat(3)=8, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=8, bat(8)=8, h=7, sw=6
 c40q1 = bat(1)=9, bat(2)=8, bat(3)=8, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=8, bat(8)=8, h=7, sw=6 -[Fail]-> c41q1 = bat(1)=9, bat(2)=8, bat(3)=8, bat(4)=9, bat(5)=9, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=5
 c41q1 = bat(1)=9, bat(2)=8, bat(3)=8, bat(4)=9, bat(5)=9, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=5 -[Fail]-> c42q1 = 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=7, sw=4
 c42q1 = 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=7, sw=4 -[Fail]-> c13q0 = 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 -[Repair]-> c60q1 = 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=7, sw=1
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 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)=9, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=8, h=7, sw=1
 c1q1 = bat(1)=9, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=8, h=7, sw=1 -[Tic]-> c8q3 = bat(1)=9, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=8, h=6, sw=1
 c8q3 = bat(1)=9, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=8, h=6, sw=1 -[Fail]-> c18q3 = bat(1)=9, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=8, bat(8)=8, h=6, sw=1 -[Fail]-> c35q3 = bat(1)=8, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=8, bat(8)=8, h=6, sw=2
 c35q3 = bat(1)=8, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=8, bat(8)=8, h=6, sw=2 -[Fail]-> c36q3 = bat(1)=8, bat(2)=8, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=8, bat(8)=8, h=6, sw=3
 c36q3 = bat(1)=8, bat(2)=8, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=8, bat(8)=8, h=6, sw=3 -[Fail]-> c37q3 = bat(1)=8, bat(2)=8, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=8, bat(8)=8, h=6, sw=5
 c37q3 = bat(1)=8, bat(2)=8, bat(3)=8, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=8, bat(8)=8, h=6, sw=5 -[Fail]-> c10q3 = bat(1)=8, bat(2)=8, bat(3)=8, bat(4)=9, bat(5)=9, bat(6)=8, bat(7)=8, bat(8)=8, h=6, sw=5
 c10q3 = bat(1)=8, bat(2)=8, bat(3)=8, bat(4)=9, bat(5)=9, bat(6)=8, bat(7)=8, bat(8)=8, h=6, sw=5 -[Fail]-> c34q2 = bat(1)=8, bat(2)=8, bat(3)=8, bat(4)=9, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=6, sw=4 -[Repair]-> c59q3 = 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
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 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)=9, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=8, h=7, sw=1
 c1q1 = bat(1)=9, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=8, h=7, sw=1 -[Repair]-> 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]-> c53q1 = 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=7, sw=5 -[Fail]-> c54q1 = 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=7, sw=6
 c54q1 = bat(1)=8, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=8, bat(6)=9, bat(7)=9, bat(8)=9, h=7, sw=6 -[Fail]-> c55q1 = bat(1)=8, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=8, bat(6)=8, bat(7)=9, bat(8)=9, h=7, sw=8
 c55q1 = bat(1)=8, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=8, bat(6)=8, bat(7)=9, bat(8)=9, h=7, sw=8 -[Fail]-> c56q1 = bat(1)=8, bat(2)=9,


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q1 =  $\neg(p_0 = h=tic[6]), (p_1 = \exists(i, j).(\text{and}(\text{and}(i \in [1..n], j \in [1..n]), \text{and}(i \neq j, \text{bat}(i)=ok[9], \text{bat}(j)=ok[9])))$  -[ Fail ]-> q0 =  $\neg(p_0 = h=tic[6]), \neg(p_1 = \exists(i, j).(\text{and}(\text{and}(i \in [1..n], j \in [1..n]), \text{and}(i \neq j, \text{bat}(i)=ok[9], \text{bat}(j)=ok[9])))$ 
q1 =  $\neg(p_0 = h=tic[6]), (p_1 = \exists(i, j).(\text{and}(\text{and}(i \in [1..n], j \in [1..n]), \text{and}(i \neq j, \text{bat}(i)=ok[9], \text{bat}(j)=ok[9])))$  -[ Fail ]-> q1 =  $\neg(p_0 = h=tic[6]), (p_1 = \exists(i, j).(\text{and}(\text{and}(i \in [1..n], j \in [1..n]), \text{and}(i \neq j, \text{bat}(i)=ok[9], \text{bat}(j)=ok[9])))$ 
q1 =  $\neg(p_0 = h=tic[6]), (p_1 = \exists(i, j).(\text{and}(\text{and}(i \in [1..n], j \in [1..n]), \text{and}(i \neq j, \text{bat}(i)=ok[9], \text{bat}(j)=ok[9])))$  -[ Repair ]-> q1 =  $\neg(p_0 = h=tic[6]), (p_1 = \exists(i, j).(\text{and}(\text{and}(i \in [1..n], j \in [1..n]), \text{and}(i \neq j, \text{bat}(i)=ok[9], \text{bat}(j)=ok[9])))$ 
q1 =  $\neg(p_0 = h=tic[6]), (p_1 = \exists(i, j).(\text{and}(\text{and}(i \in [1..n], j \in [1..n]), \text{and}(i \neq j, \text{bat}(i)=ok[9], \text{bat}(j)=ok[9])))$  -[ Tic ]-> q3 =  $(p_0 = h=tic[6]), (p_1 = \exists(i, j).(\text{and}(\text{and}(i \in [1..n], j \in [1..n]), \text{and}(i \neq j, \text{bat}(i)=ok[9], \text{bat}(j)=ok[9])))$ 
q2 =  $(p_0 = h=tic[6]), \neg(p_1 = \exists(i, j).(\text{and}(\text{and}(i \in [1..n], j \in [1..n]), \text{and}(i \neq j, \text{bat}(i)=ok[9], \text{bat}(j)=ok[9])))$  -[ Repair ]-> q3 =  $(p_0 = h=tic[6]), (p_1 = \exists(i, j).(\text{and}(\text{and}(i \in [1..n], j \in [1..n]), \text{and}(i \neq j, \text{bat}(i)=ok[9], \text{bat}(j)=ok[9])))$ 
q3 =  $(p_0 = h=tic[6]), (p_1 = \exists(i, j).(\text{and}(\text{and}(i \in [1..n], j \in [1..n]), \text{and}(i \neq j, \text{bat}(i)=ok[9], \text{bat}(j)=ok[9])))$  -[ Commute ]-> q1 =  $\neg(p_0 = h=tic[6]), (p_1 = \exists(i, j).(\text{and}(\text{and}(i \in [1..n], j \in [1..n]), \text{and}(i \neq j, \text{bat}(i)=ok[9], \text{bat}(j)=ok[9])))$ 
q3 =  $(p_0 = h=tic[6]), (p_1 = \exists(i, j).(\text{and}(\text{and}(i \in [1..n], j \in [1..n]), \text{and}(i \neq j, \text{bat}(i)=ok[9], \text{bat}(j)=ok[9])))$  -[ Fail ]-> q2 =  $(p_0 = h=tic[6]), \neg(p_1 = \exists(i, j).(\text{and}(\text{and}(i \in [1..n], j \in [1..n]), \text{and}(i \neq j, \text{bat}(i)=ok[9], \text{bat}(j)=ok[9])))$ 
q3 =  $(p_0 = h=tic[6]), (p_1 = \exists(i, j).(\text{and}(\text{and}(i \in [1..n], j \in [1..n]), \text{and}(i \neq j, \text{bat}(i)=ok[9], \text{bat}(j)=ok[9])))$  -[ Fail ]-> q3 =  $(p_0 = h=tic[6]), (p_1 = \exists(i, j).(\text{and}(\text{and}(i \in [1..n], j \in [1..n]), \text{and}(i \neq j, \text{bat}(i)=ok[9], \text{bat}(j)=ok[9])))$ 
q3 =  $(p_0 = h=tic[6]), (p_1 = \exists(i, j).(\text{and}(\text{and}(i \in [1..n], j \in [1..n]), \text{and}(i \neq j, \text{bat}(i)=ok[9], \text{bat}(j)=ok[9])))$  -[ Repair ]-> q3 =  $(p_0 = h=tic[6]), (p_1 = \exists(i, j).(\text{and}(\text{and}(i \in [1..n], j \in [1..n]), \text{and}(i \neq j, \text{bat}(i)=ok[9], \text{bat}(j)=ok[9])))$ 

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SET_RCHD_EXPECTED_AT:

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SET_UNRCHD_EXPECTED_AS:
SET_UNRCHD_EXPECTED_AT:
SET_UNRCHD_EXPECTED_AS:

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TIME_ATS: 00:00:11.975
TIME_TESTS: 00:00:00.005

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