Results for CXP (in 00:00:00.594):

NB_EV: 4

AP: AP1

NB_AP: 2

NB_MAY: -1

NB_MUST_MINUS: -1

NB_MUST_PLUS: -1

NB_MUST_SHARP: -1

NB_AS: 3

NB_AS_RCHD: 2

TAU_AS: 66.67

NB_AT: 9

NB_AT_RCHD: 6

TAU_AT: 66.67

NB_EXPECTED_AS: 3

NB_EXPECTED_AS_RCHD: 2

TAU_EXPECTED_AS: 66.67

NB_EXPECTED_AT: 1

NB_EXPECTED_AT_RCHD: 0

TAU_EXPECTED_AT: 0.00

NB_CS: 22

NB_CS_RCHD: 6

NB_CT: 15

NB_CT_RCHD: 6

RHO_CS: 27.27

RHO_CT: 40.00

NB_TESTS: 3

NB_STEPS: 11

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]-> c8q2 = 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
c8q2 = 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]-> c15q2 = 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
##
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]-> c8q2 = 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
c8q2 = 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 -[Repair]-> c19q2 = 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
##
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
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]-> c8q2 = 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
c8q2 = 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]-> c13q1 = 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=6
##

SET_EXPECTED_AS:
q0 = ¬(p0 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9], h=tic[6])))), ¬(p1 = h=tac[7])
q1 = ¬(p0 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9], h=tic[6])))), (p1 = h=tac[7])
q2 = (p0 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9], h=tic[6])))), ¬(p1 = h=tac[7])

SET_RCHD_AS:
q1 = ¬(p0 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9], h=tic[6])))), (p1 = h=tac[7])
q2 = (p0 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9], h=tic[6])))), ¬(p1 = h=tac[7])

SET_RCHD_EXPECTED_AS:
q1 = ¬(p0 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9], h=tic[6])))), (p1 = h=tac[7])
q2 = (p0 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9], h=tic[6])))), ¬(p1 = h=tac[7])

SET_EXPECTED_AT:
q1 = ¬(p0 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9], h=tic[6])))), (p1 = h=tac[7]) -[Tic]-> q0 = ¬(p0
= ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9], h=tic[6])))), ¬(p1 = h=tac[7])

SET_RCHD_AT:
q1 = ¬(p0 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9], h=tic[6])))), (p1 = h=tac[7]) -[Fail]-> q1 = ¬(p0
= ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9], h=tic[6])))), (p1 = h=tac[7])

q1 = ¬(p0 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9], h=tic[6])))), (p1 = h=tac[7]) -[Repair]-> q1 = ¬(p0 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9], h=tic[6])))), (p1 = h=tac[7])
q1 = ¬(p0 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9], h=tic[6])))), (p1 = h=tac[7]) -[Tic]-> q2 = (p0 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9], h=tic[6])))), ¬(p1 = h=tac[7])
q2 = (p0 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9], h=tic[6])))), ¬(p1 = h=tac[7]) -[Commute]-> q1 = ¬(p0 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9], h=tic[6])))), (p1 = h=tac[7])
q2 = (p0 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9], h=tic[6])))), ¬(p1 = h=tac[7]) -[Fail]-> q2 = (p0 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9], h=tic[6])))), ¬(p1 = h=tac[7])
q2 = (p0 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9], h=tic[6])))), ¬(p1 = h=tac[7]) -[Repair]-> q2 = (p0 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9], h=tic[6])))), ¬(p1 = h=tac[7])

SET_RCHD_EXPECTED_AT:

SET_UNRCHD_AS:
q0 = ¬(p0 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9], h=tic[6])))), ¬(p1 = h=tac[7])

SET_UNRCHD_EXPECTED_AS:
q0 = ¬(p0 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9], h=tic[6])))), ¬(p1 = h=tac[7])

SET_UNRCHD_AT:
q0 = ¬(p0 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9], h=tic[6])))), ¬(p1 = h=tac[7]) -[Repair]-> q2 = (p0 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9], h=tic[6])))), ¬(p1 = h=tac[7])
q1 = ¬(p0 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9], h=tic[6])))), (p1 = h=tac[7]) -[Tic]-> q0 = ¬(p0 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9], h=tic[6])))), ¬(p1 = h=tac[7])
q2 = (p0 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9], h=tic[6])))), ¬(p1 = h=tac[7]) -[Fail]-> q0 = ¬(p0 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9], h=tic[6])))), ¬(p1 = h=tac[7])

SET_UNRCHD_EXPECTED_AT:
q1 = ¬(p0 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9], h=tic[6])))), (p1 = h=tac[7]) -[Tic]-> q0 = ¬(p0 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9], h=tic[6])))), ¬(p1 = h=tac[7])

TIME_ATS: 00:00:00.594

TIME_TESTS: 00:00:00.000