Results for RCXP (in 00:00:10.497):

NB_EV: 4

AP: AP2

NB_AP: 2

NB_MAY: -1

NB_MUST_MINUS: -1

NB_MUST_PLUS: -1

NB_MUST_SHARP: -1

NB_AS: 3

NB_AS_RCHD: 3

TAU_AS: 100.00

NB_AT: 11

NB_AT_RCHD: 9

TAU_AT: 81.82

NB_EXPECTED_AS: 3

NB_EXPECTED_AS_RCHD: 3

TAU_EXPECTED_AS: 100.00

NB_EXPECTED_AT: 2

NB_EXPECTED_AT_RCHD: 2

TAU_EXPECTED_AT: 100.00

NB_CS: 48

NB_CS_RCHD: 36

NB_CT: 48

NB_CT_RCHD: 40

RHO_CS: 75.00

RHO_CT: 83.33

NB_TESTS: 7

NB_STEPS: 62

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]-> c2q3 = 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
c2q3 = 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 -[Fail]-> c7q3 = 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=7, sw=1
c7q3 = 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=7, sw=1 -[Repair]-> c2q3 = 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
c2q3 = 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 -[Tic]-> c4q1 = 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
c4q1 = 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 -[Fail]-> c28q3 = 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=8
c28q3 = 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=8 -[Fail]-> c29q3 = bat(1)=8, bat(2)=9,
bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=8, h=6, sw=4
c29q3 = bat(1)=8, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=8, h=6, sw=4 -[Fail]-> c30q3 = bat(1)=8, bat(2)=9,
bat(3)=9, bat(4)=8, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=8, h=6, sw=7
c30q3 = bat(1)=8, bat(2)=9, bat(3)=9, bat(4)=8, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=8, h=6, sw=7 -[Fail]-> c31q3 = bat(1)=8, bat(2)=9,
bat(3)=9, bat(4)=8, bat(5)=9, bat(6)=9, bat(7)=8, bat(8)=8, h=6, sw=6
c31q3 = bat(1)=8, bat(2)=9, bat(3)=9, bat(4)=8, bat(5)=9, bat(6)=9, bat(7)=8, bat(8)=8, h=6, sw=6 -[Fail]-> c32q3 = bat(1)=8, bat(2)=9,
bat(3)=9, bat(4)=8, bat(5)=9, bat(6)=8, bat(7)=8, bat(8)=8, h=6, sw=5
c32q3 = bat(1)=8, bat(2)=9, bat(3)=9, bat(4)=8, bat(5)=9, bat(6)=8, bat(7)=8, bat(8)=8, h=6, sw=5 -[Fail]-> c33q3 = bat(1)=8, bat(2)=9,
bat(3)=9, bat(4)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=6, sw=3
c33q3 = bat(1)=8, bat(2)=9, bat(3)=9, bat(4)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=6, sw=3 -[Fail]-> c20q2 = bat(1)=8, bat(2)=9,
bat(3)=8, bat(4)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=6, sw=2
c20q2 = bat(1)=8, bat(2)=9, bat(3)=8, bat(4)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=6, sw=2 -[Repair]-> c44q3 = bat(1)=9, bat(2)=9,
bat(3)=8, bat(4)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=6, sw=2
##
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]-> c37q3 = 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=8
c37q3 = 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=8 -[Fail]-> c38q3 = bat(1)=8, bat(2)=9,
bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=8, h=7, sw=3
c38q3 = bat(1)=8, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=8, h=7, sw=3 -[Fail]-> c39q3 = bat(1)=8, bat(2)=9,
bat(3)=8, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=8, h=7, sw=7
c39q3 = bat(1)=8, bat(2)=9, bat(3)=8, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=8, h=7, sw=7 -[Fail]-> c40q3 = bat(1)=8, bat(2)=9,
bat(3)=8, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=8, bat(8)=8, h=7, sw=2
c40q3 = bat(1)=8, bat(2)=9, bat(3)=8, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=8, bat(8)=8, h=7, sw=2 -[Fail]-> c41q3 = 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=7, sw=4
c41q3 = 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=7, sw=4 -[Fail]-> c42q3 = bat(1)=8, bat(2)=8,
bat(3)=8, bat(4)=8, bat(5)=9, bat(6)=9, bat(7)=8, bat(8)=8, h=7, sw=6
c42q3 = bat(1)=8, bat(2)=8, bat(3)=8, bat(4)=8, bat(5)=9, bat(6)=9, bat(7)=8, bat(8)=8, h=7, sw=6 -[Fail]-> c43q2 = bat(1)=8, bat(2)=8,
bat(3)=8, bat(4)=8, bat(5)=9, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=5
c43q2 = bat(1)=8, bat(2)=8, bat(3)=8, bat(4)=8, bat(5)=9, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=5 -[Tic]-> c47q2 = bat(1)=8, bat(2)=8,
bat(3)=8, bat(4)=8, bat(5)=9, bat(6)=8, bat(7)=8, bat(8)=8, h=6, sw=5
##
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]-> c2q3 = 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
c2q3 = 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 -[Fail]-> c7q3 = 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=7, sw=1
c7q3 = 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=7, sw=1 -[Fail]-> c24q3 = 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=7, sw=5
c24q3 = 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=7, sw=5 -[Fail]-> c25q3 = bat(1)=8, bat(2)=9,

bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=5
c25q3 = bat(1)=8, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=5 -[Fail]-> c26q3 = bat(1)=8, bat(2)=9,
bat(3)=9, bat(4)=9, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=4
c26q3 = bat(1)=8, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=4 -[Fail]-> c27q3 = bat(1)=8, bat(2)=9,
bat(3)=9, bat(4)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=3
c27q3 = bat(1)=8, bat(2)=9, bat(3)=9, bat(4)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=3 -[Fail]-> c19q2 = bat(1)=8, bat(2)=9,
bat(3)=8, bat(4)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=2
c19q2 = bat(1)=8, bat(2)=9, bat(3)=8, bat(4)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=2 -[Tic]-> c20q2 = bat(1)=8, bat(2)=9,
bat(3)=8, bat(4)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=6, sw=2
c20q2 = bat(1)=8, bat(2)=9, bat(3)=8, bat(4)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=6, sw=2 -[Repair]-> c44q3 = bat(1)=9, bat(2)=9,
bat(3)=8, bat(4)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=6, sw=2
##
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]-> c2q3 = 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
c2q3 = 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 -[Fail]-> c34q3 = bat(1)=8, 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
c34q3 = bat(1)=8, 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 -[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=7, sw=6
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=7, sw=6 -[Fail]-> c36q3 = bat(1)=8, bat(2)=9,
bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=4
c36q3 = bat(1)=8, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=4 -[Fail]-> c26q3 = bat(1)=8, bat(2)=9,
bat(3)=9, bat(4)=9, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=4
c26q3 = bat(1)=8, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=4 -[Fail]-> c27q3 = bat(1)=8, bat(2)=9,
bat(3)=9, bat(4)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=3
c27q3 = bat(1)=8, bat(2)=9, bat(3)=9, bat(4)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=3 -[Fail]-> c19q2 = bat(1)=8, bat(2)=9,
bat(3)=8, bat(4)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=2
c19q2 = bat(1)=8, bat(2)=9, bat(3)=8, bat(4)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=2 -[Repair]-> c45q3 = bat(1)=9, bat(2)=9,
bat(3)=8, bat(4)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=2
##
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]-> c2q3 = 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
c2q3 = 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 -[Fail]-> c7q3 = 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=7, sw=1
c7q3 = 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=7, sw=1 -[Tic]-> c14q3 = 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
c14q3 = 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]-> c21q3 = 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=5
c21q3 = 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=5 -[Fail]-> c22q3 = bat(1)=8, bat(2)=9,
bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=8, bat(7)=8, bat(8)=8, h=6, sw=5
c22q3 = bat(1)=8, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=8, bat(7)=8, bat(8)=8, h=6, sw=5 -[Fail]-> c8q3 = bat(1)=8, bat(2)=9,
bat(3)=9, bat(4)=9, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=6, sw=4
c8q3 = bat(1)=8, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=6, sw=4 -[Fail]-> c23q3 = bat(1)=8, bat(2)=9,
bat(3)=9, bat(4)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=6, sw=2
c23q3 = bat(1)=8, bat(2)=9, bat(3)=9, bat(4)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=6, sw=2 -[Fail]-> c20q2 = bat(1)=8, bat(2)=9,
bat(3)=8, bat(4)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=6, sw=2
c20q2 = bat(1)=8, bat(2)=9, bat(3)=8, bat(4)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=6, sw=2 -[Repair]-> c44q3 = bat(1)=9, bat(2)=9,
bat(3)=8, bat(4)=8, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=6, sw=2
##
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]-> c37q3 = 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=8
c37q3 = 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=8 -[Fail]-> c38q3 = bat(1)=8, bat(2)=9,
bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=8, h=7, sw=3
c38q3 = bat(1)=8, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=8, h=7, sw=3 -[Fail]-> c39q3 = bat(1)=8, bat(2)=9,
bat(3)=8, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=8, h=7, sw=7
c39q3 = bat(1)=8, bat(2)=9, bat(3)=8, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=9, bat(8)=8, h=7, sw=7 -[Fail]-> c40q3 = bat(1)=8, bat(2)=9,
bat(3)=8, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=8, bat(8)=8, h=7, sw=2
c40q3 = bat(1)=8, bat(2)=9, bat(3)=8, bat(4)=9, bat(5)=9, bat(6)=9, bat(7)=8, bat(8)=8, h=7, sw=2 -[Fail]-> c41q3 = 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=7, sw=4
c41q3 = 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=7, sw=4 -[Fail]-> c42q3 = bat(1)=8, bat(2)=8,
bat(3)=8, bat(4)=8, bat(5)=9, bat(6)=9, bat(7)=8, bat(8)=8, h=7, sw=6
c42q3 = bat(1)=8, bat(2)=8, bat(3)=8, bat(4)=8, bat(5)=9, bat(6)=9, bat(7)=8, bat(8)=8, h=7, sw=6 -[Fail]-> c43q2 = bat(1)=8, bat(2)=8,
bat(3)=8, bat(4)=8, bat(5)=9, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=5
c43q2 = bat(1)=8, bat(2)=8, bat(3)=8, bat(4)=8, bat(5)=9, bat(6)=8, bat(7)=8, bat(8)=8, h=7, sw=5 -[Repair]-> c46q3 = bat(1)=8, 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
##
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]-> c2q3 = 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
c2q3 = 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 -[Fail]-> c7q3 = 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=7, sw=1
c7q3 = 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=7, sw=1 -[Tic]-> c14q3 = 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
c14q3 = 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]-> c21q3 = 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=5
c21q3 = 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=5 -[Fail]-> c22q3 = bat(1)=8, bat(2)=9,
bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=8, bat(7)=8, bat(8)=8, h=6, sw=5
c22q3 = bat(1)=8, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=9, bat(6)=8, bat(7)=8, bat(8)=8, h=6, sw=5 -[Fail]-> c8q3 = bat(1)=8, bat(2)=9,
bat(3)=9, bat(4)=9, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=6, sw=4
c8q3 = bat(1)=8, bat(2)=9, bat(3)=9, bat(4)=9, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=6, sw=4 -[Fail]-> c9q3 = bat(1)=8, bat(2)=9,
bat(3)=8, bat(4)=9, bat(5)=8, bat(6)=8, bat(7)=8, bat(8)=8, h=6, sw=4
##

SET_EXPECTED_AS:
q1 = ¬(p0 = ∃(nb).(and(and(nb ∈ [1..n]), and(bat(nb)=ko[8])))), (p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9],
bat(j)=ok[9]))))
q2 = (p0 = ∃(nb).(and(and(nb ∈ [1..n]), and(bat(nb)=ko[8])))), ¬(p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9],
bat(j)=ok[9]))))
q3 = (p0 = ∃(nb).(and(and(nb ∈ [1..n]), and(bat(nb)=ko[8])))), (p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9],
bat(j)=ok[9]))))

SET_RCHD_AS:
q1 = ¬(p0 = ∃(nb).(and(and(nb ∈ [1..n]), and(bat(nb)=ko[8])))), (p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9],
bat(j)=ok[9]))))
q2 = (p0 = ∃(nb).(and(and(nb ∈ [1..n]), and(bat(nb)=ko[8])))), ¬(p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9],
bat(j)=ok[9]))))
q3 = (p0 = ∃(nb).(and(and(nb ∈ [1..n]), and(bat(nb)=ko[8])))), (p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9],
bat(j)=ok[9]))))

SET_RCHD_EXPECTED_AS:
q1 = ¬(p0 = ∃(nb).(and(and(nb ∈ [1..n]), and(bat(nb)=ko[8])))), (p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9],
bat(j)=ok[9]))))
q2 = (p0 = ∃(nb).(and(and(nb ∈ [1..n]), and(bat(nb)=ko[8])))), ¬(p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9],
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bat(j)=ok[9]))))

SET_EXPECTED_AT:
q2 = (p0 = ∃(nb).(and(and(nb ∈ [1..n]), and(bat(nb)=ko[8]))))), ¬(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 = ∃(nb).(and(and(nb ∈ [1..n]), and(bat(nb)=ko[8])))), (p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]),
and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9]))))
q3 = (p0 = ∃(nb).(and(and(nb ∈ [1..n]), and(bat(nb)=ko[8]))))), (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 = ∃(nb).(and(and(nb ∈ [1..n]), and(bat(nb)=ko[8])))), ¬(p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]),
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q1 = ¬(p0 = ∃(nb).(and(and(nb ∈ [1..n]), and(bat(nb)=ko[8]))))), (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 = ∃(nb).(and(and(nb ∈ [1..n]), and(bat(nb)=ko[8])))), (p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]),
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q1 = ¬(p0 = ∃(nb).(and(and(nb ∈ [1..n]), and(bat(nb)=ko[8]))))), (p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9],
bat(j)=ok[9])))) -[Tic]-> q1 = ¬(p0 = ∃(nb).(and(and(nb ∈ [1..n]), and(bat(nb)=ko[8])))), (p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]),
and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9]))))
q2 = (p0 = ∃(nb).(and(and(nb ∈ [1..n]), and(bat(nb)=ko[8]))))), ¬(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 = ∃(nb).(and(and(nb ∈ [1..n]), and(bat(nb)=ko[8])))), (p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]),
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bat(j)=ok[9])))) -[Tic]-> q2 = (p0 = ∃(nb).(and(and(nb ∈ [1..n]), and(bat(nb)=ko[8])))), ¬(p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]),
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bat(j)=ok[9])))) -[Fail]-> q2 = (p0 = ∃(nb).(and(and(nb ∈ [1..n]), and(bat(nb)=ko[8])))), ¬(p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]),
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q3 = (p0 = ∃(nb).(and(and(nb ∈ [1..n]), and(bat(nb)=ko[8]))))), (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 = ∃(nb).(and(and(nb ∈ [1..n]), and(bat(nb)=ko[8])))), (p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]),
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q3 = (p0 = ∃(nb).(and(and(nb ∈ [1..n]), and(bat(nb)=ko[8]))))), (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 = ∃(nb).(and(and(nb ∈ [1..n]), and(bat(nb)=ko[8])))), (p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]),
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bat(j)=ok[9])))) -[Repair]-> q3 = (p0 = ∃(nb).(and(and(nb ∈ [1..n]), and(bat(nb)=ko[8])))), (p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]),
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bat(j)=ok[9])))) -[Tic]-> q3 = (p0 = ∃(nb).(and(and(nb ∈ [1..n]), and(bat(nb)=ko[8])))), (p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i
≠ j, bat(i)=ok[9], bat(j)=ok[9]))))

SET_RCHD_EXPECTED_AT:
q2 = (p0 = ∃(nb).(and(and(nb ∈ [1..n]), and(bat(nb)=ko[8]))))), ¬(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 = ∃(nb).(and(and(nb ∈ [1..n]), and(bat(nb)=ko[8])))), (p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]),
and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9]))))
q3 = (p0 = ∃(nb).(and(and(nb ∈ [1..n]), and(bat(nb)=ko[8]))))), (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 = ∃(nb).(and(and(nb ∈ [1..n]), and(bat(nb)=ko[8])))), ¬(p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]),
and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9]))))

SET_UNRCHD_AS:

SET_UNRCHD_EXPECTED_AS:

SET_UNRCHD_AT:
q1 = ¬(p0 = ∃(nb).(and(and(nb ∈ [1..n]), and(bat(nb)=ko[8]))))), (p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9],
bat(j)=ok[9])))) -[Commute]-> q1 = ¬(p0 = ∃(nb).(and(and(nb ∈ [1..n]), and(bat(nb)=ko[8])))), (p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]),
and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9]))))
q3 = (p0 = ∃(nb).(and(and(nb ∈ [1..n]), and(bat(nb)=ko[8]))))), (p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]), and(i ≠ j, bat(i)=ok[9],
bat(j)=ok[9])))) -[Commute]-> q3 = (p0 = ∃(nb).(and(and(nb ∈ [1..n]), and(bat(nb)=ko[8])))), (p1 = ∃(i, j).(and(and(i ∈ [1..n], j ∈ [1..n]),
and(i ≠ j, bat(i)=ok[9], bat(j)=ok[9]))))

SET_UNRCHD_EXPECTED_AT:

TIME_ATS: 00:00:10.497

TIME_TESTS: 00:00:00.003