

Results for CXPASO (in 00:00:00.795):

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: 2

TAU\_AS: 66.67

NB\_AT: 11

NB\_AT\_RCHD: 8

TAU\_AT: 72.73

NB\_EXPECTED\_AS: 3

NB\_EXPECTED\_AS\_RCHD: 2

TAU\_EXPECTED\_AS: 66.67

NB\_EXPECTED\_AT: 2

NB\_EXPECTED\_AT\_RCHD: 0

TAU\_EXPECTED\_AT: 0.00

NB\_CS: 22

NB\_CS\_RCHD: 7

NB\_CT: 16

NB\_CT\_RCHD: 8

RHO\_CS: 31.82

RHO\_CT: 50.00

NB\_TESTS: 2

NB\_STEPS: 10

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 ]-> c1q3 = 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  
c1q3 = 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 ]-> c3q3 = 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  
c3q3 = 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 ]-> c1q3 = 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  
c1q3 = 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 ]-> c1q3 = 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  
c1q3 = 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 ]-> c3q3 = 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  
c3q3 = 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 ]-> c4q3 = 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  
c4q3 = 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 -[ Commute ]-> c6q3 = 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=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 -[ Tic ]-> 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=6, sw=1  
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=6, sw=1 -[ Commute ]-> c5q1 = 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  
#####

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]))))  
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]))))  
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\_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]))))

