

Results for CXP (in 00:01.817):

NB\_EV : 4

NB\_AP : 2

NB\_AS : 4

NB\_AT : 11

NB\_RCHD\_AS : 2

COV\_AS : 50.0%

NB\_RCHD\_AT : 6

COV\_AT : 54.54545454545455%

NB\_CS : 26

NB\_RCHD\_CS : 5

NB\_CT : 17

NB\_RCHD\_CT : 6

RHO\_CS : 5.2

RHO\_CT : 2.8333333333333335

SET\_RCHD\_AS :

$q1 \equiv \text{and}(\neg(p0 \equiv h = \text{tic}), p1 \equiv \exists(i \in 1..n, j \in 1..n).(\text{and}(i \neq j, \text{bat}(i) = \text{ok}, \text{bat}(j) = \text{ok}))))$   
 $q3 \equiv \text{and}(p0 \equiv h = \text{tic}, p1 \equiv \exists(i \in 1..n, j \in 1..n).(\text{and}(i \neq j, \text{bat}(i) = \text{ok}, \text{bat}(j) = \text{ok}))))$

SET\_RCHD\_AT :

q1 -[ Fail ]-> q1  
q1 -[ Repair ]-> q1  
q1 -[ Tic ]-> q3  
q3 -[ Fail ]-> q3  
q3 -[ Repair ]-> q3  
q3 -[ Commute ]-> q1

SET\_UNRCHD\_AS :

$q0 \equiv \text{and}(\neg(p0 \equiv h = \text{tic}), \neg(p1 \equiv \exists(i \in 1..n, j \in 1..n).(\text{and}(i \neq j, \text{bat}(i) = \text{ok}, \text{bat}(j) = \text{ok}))))$   
 $q2 \equiv \text{and}(p0 \equiv h = \text{tic}, \neg(p1 \equiv \exists(i \in 1..n, j \in 1..n).(\text{and}(i \neq j, \text{bat}(i) = \text{ok}, \text{bat}(j) = \text{ok}))))$

SET\_UNRCHD\_AT :

q1 -[ Fail ]-> q0  
q0 -[ Repair ]-> q1  
q0 -[ Tic ]-> q2  
q3 -[ Fail ]-> q2  
q2 -[ Repair ]-> q3