```
Results for CXP (in 00:00:01.700):
 NB EV: 19
 AP: AP0
 NB AP: 4
 NB_MAY: -1
 NB_MUST_MINUS: -1
 NB MUST PLUS: -1
 NB MUST SHARP: -1
 NB AS: 5
 NB AS RCHD: 2
 TAU AS: 40.00
 NB AT: 34
 NB_AT_RCHD: 15
 TAU AT: 44.12
 NB EXPECTED AS: 5
 NB_EXPECTED_AS_RCHD: 2
 TAU EXPECTED AS: 40.00
 NB EXPECTED AT: 2
 NB EXPECTED AT RCHD: 0
 TAU_EXPECTED_AT: 0.00
 NB CS: 37
 NB_CS_RCHD: 13
 NB CT: 47
 NB CT RCHD: 21
 RHO CS: 35.14
 RHO CT: 44.68
 NB TESTS: 2
 NB_STEPS: 27
 TESTS:
   c0q4 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 -[ Doors_Opening ]-> c5q0 = AC=0, Be=0, CS=0, De=0, Do=1, Gl=0, CS=0, De=0, Do=1, Gl=0, Do=1, Gl
 Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 c5q0 = AC=0, Be=0, CS=0, De=0, Do=1, Gl=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 -[ Ch_Sec_Activation ] -> c17q0 = AC=0, Be=0, CS=1, De=0, Do=1, CS=0, Do=1, Do=
 Cl-0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0
cl7q0 = AC=0, Be=0, CS=1, De=0, Do=1, Gl=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 -[ Ch_Sec_Deactivation ]-> c5q0 = AC=0, Be=0, CS=0, De=0, Do=1,
Gl=0, Li=0, Mv=0, Tr=0, Us=1, Wa=0

c5q0 = AC=0, Be=0, CS=0, De=0, Do=1, Gl=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 -[ Glasses_Opening ]-> c21q0 = AC=0, Be=0, CS=0, De=0, Do=1, Gl=1, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0

c21q0 = AC=0, Be=0, CS=0, De=0, Do=1, Gl=1, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 -[ Doors_Closing ]-> c2q4 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=1, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0

c2q4 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=1, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 -[ Glasses_Closing ]-> c0q4 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=0, Do=0, 
Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0
Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0
Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0
C044 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0
Lo=0, Mv=1, Tr=0, Us=1, Wa=0
C140 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=0, Li=0, Lo=0, Mv=1, Tr=0, Us=1, Wa=0
Lo=0, Mv=1, Tr=0, Us=1, Wa=1, W
 Cagθ = AC=θ, Be=θ, CS=θ, De=θ, Do=θ, Gl=1, Li=θ, Lo=θ, Mv=1, Tr=θ, Us=1, Wa=θ - [ Car_Stopping ]-> c2q4 = AC=θ, Be=θ, CS=θ, De=θ, Do=θ, Do=θ, Gl=1, Li=θ, Lo=θ, Mv=1, Tr=θ, Us=1, Wa=θ - [ Car_Stopping ]-> c2q4 = AC=θ, Be=θ, CS=θ, De=θ, Do=θ, Gl=1, Li=θ, Lo=θ, Mv=1, Tr=θ, Us=1, Wa=θ - [ Car_Stopping ]-> c2q4 = AC=θ, Be=θ, CS=θ, De=θ, Do=θ, Gl=1, Li=θ, Lo=θ, Mv=1, Tr=θ, Us=1, Wa=θ - [ Car_Stopping ]-> c2q4 = AC=θ, Be=θ, CS=θ, De=θ, Do=θ, Do=θ, Gl=1, Li=θ, Lo=θ, Mv=1, Tr=θ, Us=1, Wa=θ, Lo=θ, Wa=θ, Wa=θ, Lo=θ, Wa=θ, Wa=θ
 C2q4 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=1, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 -[ Glasses_Closing ]-> c0q4 = AC=0, Be=0, CS=0, De=0, CS=0, De=0, Do=0, Gl=0, CS=0, De=0, CS=0, De=0, Do=0, Gl=0, CS=0, De=0, Do=0, Gl=0, CS=0, De=0, Do=0, Gl=0, CS=0, De=0, Do=0, Gl=0, CS=0, Do=0, Do=0, CS=0, Do=0, Do=0, CS=0, Do=0, 
 Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0

c0q4 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 -[ Car_Moving ]-> clq0 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=0, Li=0, Lo=0, Mv=1, Tr=0, Us=1, Wa=0
 Lo=0, Mv=1, Tr=0, Us=1, Wa=0

clq0 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=0, Li=0, Lo=0, Mv=1, Tr=0, Us=1, Wa=0 -[ Car_Stopping ]-> c0q4 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0

c0q4 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 -[ Glasses_Opening ]-> c2q4 = AC=0, Be=0, CS=0, De=0, Do=0, Do=0, Gl=1, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0
 L1-U, L0-U, INV-U, II-U, US-1, Wd=U c2q4 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=1, Li=0, Lo=0, Mv=0, Tr=0, US=1, Wd=0 -[ Car_Moving ]-> c3q0 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=1, Li=0, Lo=0, Mv=1, Tr=0, US=1, Wd=0 c3q0 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=1, Li=0, Lo=0, Mv=1, Tr=0, US=1, Wd=0 -[ Car_Stopping ]-> c2q4 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=1, Li=0, Lo=0, Mv=0, Tr=0, US=1, Wd=0 -[ Car_Stopping ]-> c2q4 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=1, Li=0, Lo=0, Mv=0, Tr=0, US=1, Wd=0 -[ Car_Stopping ]-> c2q4 = AC=0, Be=0, CS=0, Do=0, CS=0, Do=0, Gl=1, Li=0, Lo=0, Mv=0, Tr=0, US=1, Wd=0 -[ Car_Stopping ]-> c2q4 = AC=0, Be=0, CS=0, Do=0, CS=0, Do=0, Gl=1, Li=0, Lo=0, Mv=0, Tr=0, US=1, Wd=0 -[ Car_Stopping ]-> c3q4 = AC=0, Be=0, CS=0, Do=0, CS=0, Do=0, Gl=1, Li=0, Lo=0, Mv=0, Tr=0, US=1, Wd=0 -[ Car_Stopping ]-> c3q4 = AC=0, Be=0, CS=0, Do=0, CS=0, Do=0, Gl=1, Li=0, Lo=0, Mv=0, Tr=0, US=1, US=1, US=0, US=1, US=1,
L1=0, L0=0, MV=0, I7=0, US=1, Wa=0 c2q4 = AC=0, Be=0, Do=0, Do=0, Gl=1, Li=0, Lo=0, Mv=0, Tr=0, US=1, Wa=0 -[Light_Activation]-> c1lq4 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=1, Li=1, Lo=0, Mv=0, Tr=0, US=1, Wa=0 c1lq4 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=1, Li=1, Lo=0, Mv=0, Tr=0, US=1, Wa=0 -[Light_Deactivation]-> c2q4 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=1, Li=0, Lo=0, Mv=0, Tr=0, US=1, Wa=0
C2q4 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=1, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 -[ Glasses_Closing ]-> c0q4 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 -[ Doors_Opening ]-> c5q0 = AC=0, Be=0, CS=0, De=0, Do=1, Gl=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0
C5q0 = AC=0, Be=0, CS=0, De=0, Do=1, Gl=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 - [Light_Activation] -> c28q0 = AC=0, Be=0, CS=0, De=0, Do=1, Gl=0, Li=1, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 - [Light_Activation] -> c5q0 = AC=0, Be=0, CS=0, De=0, Do=1, Gl=0, Li=1, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 - [Light_Deactivation] -> c5q0 = AC=0, Be=0, CS=0, De=0, Do=1, Gl=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0
 C5q0 = AC=0, Be=0, CS=0, De=0, Do=1, GL=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 -[ Ch_Sec_Activation ]-> c17q0 = AC=0, Be=0, CS=1, De=0, Do=1, GL=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 -[ Ch_Sec_Activation ]-> c20q4 = AC=0, Be=0, CS=1, De=0, Do=1, GL=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 -[ Doors_Closing ]-> c20q4 = AC=0, Be=0, CS=1, De=0, Do=1, GL=0, Do=0, Do=0, GL=0, Do=0, Do=0, GL=0, Do=0, Do=0, GL=0, Do=0, Do=
 Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0
   c0q4 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 - [ Light_Activation ]-> c10q4 = AC=0, Be=0, CS=0, De=0, Do=0, Do=
 Gl=0, Li=1, Lo=0, Mv=0, Tr=0, Us=1, Wa=0
   c10q4 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=0, Li=1, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 -[ Light Deactivation ]-> c0q4 = AC=0, Be=0, CS=0, De=0, Do=0, Do
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Gl=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0

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  \text{c0q4} = \text{AC=0, Be=0, CS=0, De=0, Do=0, Gl=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 -[ Doors\_Locking ] -> c4q0 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=0, Li=0, Lo=1, Mv=0, Tr=1, Us=1, Wa=0 -[ Doors\_Locking ] -> c4q0 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=0, Li=0, Lo=0, Mv=0, Tr=1, Us=1, Wa=0 -[ Doors\_Locking ] -> c4q0 = AC=0, Be=0, CS=0, Do=0, Do=0, Gl=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 -[ Doors\_Locking ] -> c4q0 = AC=0, Be=0, CS=0, Do=0, Do=0, Gl=0, Li=0, Lo=0, Lo=0
     C4q0 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=0, Li=0, Lo=1, Mv=0, Tr=1, Us=1, Wa=0 -[ Increment_Chronometer ]-> c25q0 = AC=0, Be=0, CS=0, De=1, Do=0, Gl=0, Li=0, Lo=1, Mv=0, Tr=1, Us=1, Wa=0
     SET EXPECTED AS:
      q0 = \neg(p0 = \text{and}(\text{Tr}=0, \text{ Mv}=0, \text{ AC}=1, \text{ Do}=1)), \ \neg(p1 = \text{and}(\text{Tr}=0, \text{ Mv}=0, \text{ Do}=0, \text{ or}(\text{Us}=0, \text{ and}(\text{Us}=1, \text{ , Lo}=0, \text{ , AC}=0)))), \ \neg(p2 = \text{and}(\text{Tr}=0, \text{ Mv}=0, \text{ Us}=1, \text{ Do}=0, \text{ AC}=1, \text{ Lo}=1)), \ \neg(p3 = \text{and}(\text{Tr}=0, \text{ Mv}=0, \text{ Us}=0, \text{ Be}=1)) 
     q2 = \neg(p0 = and(Tr=0, Mv=0, AC=1, Do=1)), \neg(p1 = and(Tr=0, Mv=0, Do=0, or(Us=0, and(Us=1, , Lo=0, , AC=0)))), (p2 = and(Tr=0, Mv=0, Us=1, Do=0, AC=1, Lo=1)), \neg(p3 = and(Tr=0, Mv=0, Us=0, Be=1))
     AC=1, LO=1), AC=0, AC=0, AC=0, DO=1), (P1=and(Tr=0, Mv=0, Do=0, or(Us=0, and(Us=1, , Lo=0, , AC=0)))), <math>\neg(P2=and(Tr=0, Mv=0, Us=1, Do=0, AC=1, Lo=1)), \neg(P3=and(Tr=0, Mv=0, Us=0, Be=1))
    AC=1, Lo=1)), \neg(D3 = and(Ir=0, MV=0, US=0, Be=1)) \neg(g8 = (p0 = and(Tr=0, MV=0, AC=1, Do=1)), \neg(p1 = and(Tr=0, MV=0, Do=0, or(Us=0, and(Us=1, , Lo=0, , AC=0)))), \neg(p2 = and(Tr=0, MV=0, Us=1, Do=0, AC=1, Lo=1)), \neg(p3 = and(Tr=0, MV=0, US=0, Be=1)) \neg(p1 = and(Tr=0, MV=0, AC=1, Do=1)), \neg(p1 = and(Tr=0, MV=0, Do=0, or(Us=0, and(Us=1, , Lo=0, , AC=0)))), \neg(p2 = and(Tr=0, MV=0, Us=1, Do=0, AC=1, Lo=1)), (p3 = and(Tr=0, MV=0, Us=0, Be=1))
    SET RCHD_AS: q = -(p\theta = and(Tr=0, Mv=0, AC=1, Do=1)), \neg(p1 = and(Tr=0, Mv=0, Do=0, or(Us=0, and(Us=1, , Lo=0, , AC=0)))), \neg(p2 = and(Tr=0, Mv=0, Us=1, Do=0, AC=1, Lo=1)), \neg(p3 = and(Tr=0, Mv=0, Us=0, Be=1)) q4 = \neg(p0 = and(Tr=0, Mv=0, AC=1, Do=1)), (p1 = and(Tr=0, Mv=0, Do=0, or(Us=0, and(Us=1, , Lo=0, , AC=0)))), \neg(p2 = and(Tr=0, Mv=0, Us=1, Do=0, AC=1, Lo=1)), \neg(p3 = and(Tr=0, Mv=0, Us=0, Be=1))
    SET_RCHD_EXPECTED_AS:
q0 = ¬(p0 = and(Tr=0, Mv=0, AC=1, Do=1)), ¬(p1 = and(Tr=0, Mv=0, Do=0, or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p2 = and(Tr=0, Mv=0, Us=1, Do=0, AC=1, Lo=1)), ¬(p3 = and(Tr=0, Mv=0, Us=0, Be=1))
q4 = ¬(p0 = and(Tr=0, Mv=0, AC=1, Do=1)), (p1 = and(Tr=0, Mv=0, Do=0, or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p2 = and(Tr=0, Mv=0, Us=1, Do=0, Or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p2 = and(Tr=0, Mv=0, Us=1, Do=0, Or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p2 = and(Tr=0, Mv=0, Us=1, Do=0, Or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p2 = and(Tr=0, Mv=0, Us=1, Do=0, Or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p2 = and(Tr=0, Mv=0, Us=1, Do=0, Or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p3 = and(Tr=0, Mv=0, Us=1, Do=0, Or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p3 = and(Tr=0, Mv=0, Us=1, Do=0, Or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p4 = and(Tr=0, Mv=0, Us=1, Do=0, Or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p4 = and(Tr=0, Mv=0, Us=1, Do=0, Or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p4 = and(Tr=0, Mv=0, Us=1, Do=0, Or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p4 = and(Tr=0, Mv=0, Us=1, Do=0, Or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p4 = and(Tr=0, Mv=0, Us=1, Do=0, Or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p4 = and(Tr=0, Mv=0, Us=1, Do=0, Or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p4 = and(Tr=0, Mv=0, Us=1, Do=0, Or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p4 = and(Tr=0, Mv=0, Us=1, Do=0, Or(Us=0, and(Us=1, , Lo=0, , AC=0))))), ¬(p4 = and(Tr=0, Mv=0, Us=1, Do=0, Or(Us=0, AC=0, AC=0)))), ¬(p4 = and(Tr=0, Mv=0, Us=1, Do=0, AC=0, AC=0, AC=0)))), ¬(p4 = and(Tr=0, Mv=0, Us=1, Do=0, AC=0, AC=0, AC=0))))), ¬(p4 = and(Tr=0, Mv=0, Us=1, Do=0, AC=0, AC=0, AC=0, AC=0))))), ¬(p4 = and(Tr=0, Mv=0, Do=0, AC=0, AC
     AC=1, Lo=1)), \neg(p3 = and(Tr=0, Mv=0, Us=0, Be=1))
     SET EXPECTED AT:
    SEL_EXPECTED_AT:
q0 = ¬(p0 = and(Tr=0, Mv=0, AC=1, Do=1)), ¬(p1 = and(Tr=0, Mv=0, Do=0, or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p2 = and(Tr=0, Mv=0, Us=1, Do=0, AC=1, Lo=1)), ¬(p3 = and(Tr=0, Mv=0, Us=0, Be=1)) - [ Alarm_Deactivation ]-> q4 = ¬(p0 = and(Tr=0, Mv=0, AC=1, Do=1)), (p1 = and(Tr=0, Mv=0, Do=0, or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p2 = and(Tr=0, Mv=0, Us=1, Do=0, AC=1, Lo=1)), ¬(p3 = and(Tr=0, Mv=0, Us=0, Be=1)) - [ P1 = and(Tr=0, Mv=0, Do=0, or(Us=0, and(Us=1, , Lo=0, , AC=0))), ¬(p2 = and(Tr=0, Mv=0, Us=1, Do=0, AC=1, Lo=1)), ¬(p3 = and(Tr=0, Mv=0, Us=0, Be=1)) - [ User_Authorized ]-> q0 = ¬(p0 = and(Tr=0, Mv=0, AC=1, Do=1)), ¬(p1 = and(Tr=0, Mv=0, Us=0, Do=0, or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p2 = and(Tr=0, Mv=0, Us=1, Do=0, AC=1, Lo=1)), ¬(p3 = and(Tr=0, Mv=0, Us=0, Be=1))
SET_RCHD_AT:

8 = (p0 = and(Tr=0, Mv=0, AC=1, Do=1)), -(p1 = and(Tr=0, Mv=0, Do=0, or(Us=0, and(Us=1, Lo=0, AC=1, Do=1)), -(p2 = and(Tr=0, Mv=0, Us=1, Bo=0, AC=1, Lo=1)), -(p3 = and(Tr=0, Mv=0, Us=1, Do=0, AC=1, Lo=1)), -(p3 = and(Tr=0, Mv=0, Us=0, Bo=1)), -(p1 = and(Tr=0, Mv=0, Us=0, Bo=1)), -(p2 = and(Tr=0, Mv=0, Us=0, Bo=1)), -(p3 = and(Tr=0, Mv=0, Us=1, Do=0, AC=1, Lo=1)), -(p3 = and(Tr=0, Mv=0, Us=1, Do=0, AC=1, Lo=1)
     SET_RCHD_AT:
     SET_RCHD_EXPECTED_AT:
      \begin{array}{l} \text{SET\_UNRCHD\_AS:} \\ \text{q2} = \neg (\text{p0} = \text{and}(\text{Tr=0}, \ \text{Mv=0}, \ \text{AC=1}, \ \text{Do=1})), \ \neg (\text{p1} = \text{and}(\text{Tr=0}, \ \text{Mv=0}, \ \text{Do=0}, \ \text{or}(\text{Us=0}, \ \text{and}(\text{Us=1}, \ , \ \text{Lo=0}, \ , \ \text{AC=0})))), \ (\text{p2} = \text{and}(\text{Tr=0}, \ \text{Mv=0}, \ \text{Us=1}, \ \text{Do=0}, \ \text{Do=0}, \ \text{Do=0}), \ \text{Proof}(\text{Us=0}, \ \text{Do=0}, \ \text{Do=0})) \\ \text{Sets of the proof of
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32 = ¬(p0 = and(Tr=0, Mv=0, AC=1, Do=1)), ¬(p1 = and(Tr=0, Mv=0, Do=0, or(Us=0, and(Us=1, , Lo=0, , AC=0)))), (p2 = and(Tr=0, Mv=0, Us=1, Do=0, AC=1, Lo=1)), ¬(p3 = and(Tr=0, Mv=0, Us=0, Be=1))
q8 = (p0 = and(Tr=0, Mv=0, AC=1, Do=1)), ¬(p1 = and(Tr=0, Mv=0, Do=0, or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p2 = and(Tr=0, Mv=0, Us=1, Do=0, Or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p2 = and(Tr=0, Mv=0, Us=1, Do=0, Or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p2 = and(Tr=0, Mv=0, Us=1, Do=0, Or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p2 = and(Tr=0, Mv=0, Us=1, Do=0, Or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p2 = and(Tr=0, Mv=0, Us=1, Do=0, Or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p3 = and(Tr=0, Mv=0, Us=0, Or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p4 = and(Tr=0, Mv=0, Us=1, Do=0, Or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p4 = and(Tr=0, Mv=0, Us=1, Do=0, Or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p4 = and(Tr=0, Mv=0, Us=1, Do=0, Or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p4 = and(Tr=0, Mv=0, Us=1, Do=0, Or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p4 = and(Tr=0, Mv=0, Us=1, Do=0, Or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p4 = and(Tr=0, Mv=0, Us=1, Do=0, Or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p4 = and(Tr=0, Mv=0, Us=1, Do=0, Or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p4 = and(Tr=0, Mv=0, Us=1, Do=0, Or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p4 = and(Tr=0, Mv=0, Us=1, Do=0, Or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p4 = and(Tr=0, Mv=0, Us=1, Do=0, Or(Us=0, AC=0, Do=0, Or(Us=0, AC=0))))), ¬(p4 = and(Tr=0, Mv=0, Do=0, Or(Us=0, AC=0, AC=0)))), ¬(p4 = and(Tr=0, Mv=0, Do=0, Or(Us=0, AC=0, AC=0, AC=0)))), ¬(p4 = and(Tr=0, AC=0, AC=0, AC=0, AC=0, AC=0, AC=0, AC=0, AC=0, AC=0)))))), ¬(p4 = and(Tr=0, AC=0, A

SET UNRCHD EXPECTED AS:

 $AC=1, \ Lo=1)), \ \neg (p3 = and(Tr=0, \ Mv=0, \ Us=0, \ Be=1)) \\ q9 = (p0 = and(Tr=0, \ Mv=0, \ AC=1, \ Do=1)), \ \neg (p1 = and(Tr=0, \ Mv=0, \ Do=0, \ or(Us=0, \ and(Us=1, \ , \ Lo=0, \ , \ AC=0)))), \ \neg (p2 = and(Tr=0, \ Mv=0, \ Us=1, \ Do=0, \ AC=1, \ Lo=1)), \ (p3 = and(Tr=0, \ Mv=0, \ Us=0, \ Be=1))$

SET_UNRCHD_AT:

SET_UNRCHD_EXPECTED_AT:
q0 = ¬(p0 = and(Tr=0, Mv=0, AC=1, Do=1)), ¬(p1 = and(Tr=0, Mv=0, Do=0, or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p2 = and(Tr=0, Mv=0, Us=1, Do=0, AC=1, Lo=1)), ¬(p3 = and(Tr=0, Mv=0, Us=0, Be=1)) - [Alamm_Deactivation]-> q4 = ¬(p0 = and(Tr=0, Mv=0, AC=1, Do=1)), (p1 = and(Tr=0, Mv=0, Do=0, or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p2 = and(Tr=0, Mv=0, Us=1, Do=0, AC=1, Lo=1)), ¬(p3 = and(Tr=0, Mv=0, Us=0, Be=1)) q9 = (p0 = and(Tr=0, Mv=0, AC=1, Do=1)), ¬(p1 = and(Tr=0, Mv=0, Us=1, Do=0, AC=1, Lo=1)), (p3 = and(Tr=0, Mv=0, Us=0, Be=1)) - [User_Authorized]-> q0 = ¬(p0 = and(Tr=0, Mv=0, AC=1, Do=1)), ¬(p1 = and(Tr=0, Mv=0, Do=0, or(Us=0, and(Us=1, , Lo=0, , AC=0)))), ¬(p2 = and(Tr=0, Mv=0, Us=1, Do=0, AC=1, Lo=1)), ¬(p3 = and(Tr=0, Mv=0, Us=0, Be=1))

TIME_ATS: 00:00:01.700
TIME_TESTS: 00:00:00.002