

Results for CXP (in 00:00:01.468):

NB_EV: 19
AP: AP1
NB_AP: 3
NB_MAY: -1
NB_MUST_MINUS: -1
NB_MUST_PLUS: -1
NB_MUST_SHARP: -1
NB_AS: 6
NB_AS_RCHD: 4
TAU_AS: 66.67
NB_AT: 60
NB_AT_RCHD: 37
TAU_AT: 61.67
NB_EXPECTED_AS: 6
NB_EXPECTED_AS_RCHD: 4
TAU_EXPECTED_AS: 66.67
NB_EXPECTED_AT: 56
NB_EXPECTED_AT_RCHD: 37
TAU_EXPECTED_AT: 66.07
NB_CS: 47
NB_CS_RCHD: 21
NB_CT: 68
NB_CT_RCHD: 43
RHO_CS: 44.68
RHO_CT: 63.24
NB_TESTS: 2
NB_STEPS: 48

TESTS:

c0q6 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 - [Doors_Opening] -> c3q4 = AC=0, Be=0, CS=0, De=0, Do=1, Gl=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0
c3q4 = 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] -> c14q0 = AC=0, Be=0, CS=1, De=0, Do=1, Gl=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0
c14q0 = AC=0, Be=0, CS=1, De=0, Do=1, Gl=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 - [Glasses_Opening] -> c16q0 = AC=0, Be=0, CS=1, De=0, Do=1, Gl=1, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0
c16q0 = AC=0, Be=0, CS=1, De=0, Do=1, Gl=1, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 - [Doors_Closing] -> c30q0 = AC=0, Be=0, CS=1, De=0, Do=0, Gl=1, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0
c30q0 = AC=0, Be=0, CS=1, De=0, Do=0, Gl=1, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 - [Car_Moving] -> c34q0 = AC=0, Be=0, CS=1, De=0, Do=0, Gl=1, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 - [Glasses_Closing] -> c35q0 = AC=0, Be=0, CS=1, De=0, Do=0, Gl=1, Li=0, Lo=0, Mv=1, Tr=0, Us=1, Wa=0
c35q0 = AC=0, Be=0, CS=1, De=0, Do=0, Gl=1, Li=0, Lo=0, Mv=1, Tr=0, Us=1, Wa=0 - [Car_Stopping] -> c32q2 = AC=0, Be=0, CS=1, De=0, Do=0, Gl=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0
c32q2 = AC=0, Be=0, CS=1, De=0, Do=0, Gl=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 - [Glasses_Opening] -> c30q0 = AC=0, Be=0, CS=1, De=0, Do=0, Gl=1, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0
c30q0 = AC=0, Be=0, CS=1, De=0, Do=0, Gl=1, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 - [Doors_Opening] -> c16q0 = AC=0, Be=0, CS=1, De=0, Do=1, Gl=1, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0
c16q0 = AC=0, Be=0, CS=1, De=0, Do=1, Gl=1, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 - [Ch_Sec_Deactivation] -> c15q4 = AC=0, Be=0, CS=0, De=0, Do=1, Gl=1, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0
c15q4 = 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] -> c4q4 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=1, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 - [Car_Moving] -> c13q4 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=1, Li=0, Lo=0, Mv=1, Tr=0, Us=1, Wa=0
c13q4 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=1, Li=0, Lo=0, Mv=1, Tr=0, Us=1, Wa=0 - [Car_Stopping] -> c4q4 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=1, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 - [Doors_Opening] -> c15q4 = AC=0, Be=0, CS=0, De=0, Do=1, Gl=1, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0
c15q4 = AC=0, Be=0, CS=0, De=0, Do=1, Gl=1, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 - [Light_Activation] -> c20q4 = AC=0, Be=0, CS=0, De=0, Do=1, Gl=1, Li=1, Lo=0, Mv=0, Tr=0, Us=1, Wa=0
c20q4 = AC=0, Be=0, CS=0, De=0, Do=1, Gl=1, Li=1, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 - [Light_Deactivation] -> c15q4 = AC=0, Be=0, CS=0, De=0, Do=1, Gl=1, Li=1, Lo=0, Mv=0, Tr=0, Us=1, Wa=0
c15q4 = AC=0, Be=0, CS=0, De=0, Do=1, Gl=1, Li=1, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 - [Ch_Sec_Activation] -> c16q0 = AC=0, Be=0, CS=1, De=0, Do=0, Gl=1, Li=1, Lo=0, Mv=0, Tr=0, Us=1, Wa=0
c16q0 = AC=0, Be=0, CS=1, De=0, Do=0, Gl=1, Li=1, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 - [Doors_Closing] -> c30q0 = AC=0, Be=0, CS=1, De=0, Do=0, Gl=1, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 - [Car_Moving] -> c34q0 = AC=0, Be=0, CS=1, De=0, Do=0, Gl=1, Li=0, Lo=0, Mv=1, Tr=0, Us=1, Wa=0 - [Light_Activation] -> c41q0 = AC=0, Be=0, CS=1, De=0, Do=0, Gl=1, Li=0, Lo=0, Mv=1, Tr=0, Us=1, Wa=0
c41q0 = AC=0, Be=0, CS=1, De=0, Do=0, Gl=1, Li=0, Lo=0, Mv=1, Tr=0, Us=1, Wa=0 - [Light_Deactivation] -> c34q0 = AC=0, Be=0, CS=1, De=0, Do=0, Gl=1, Li=0, Lo=0, Mv=1, Tr=0, Us=1, Wa=0 - [Car_Stopping] -> c30q0 = AC=0, Be=0, CS=1, De=0, Do=0, Gl=1, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0
c30q0 = AC=0, Be=0, CS=1, De=0, Do=0, Gl=1, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 - [Glasses_Closing] -> c32q2 = AC=0, Be=0, CS=1, De=0, Do=0, Gl=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0
c32q2 = AC=0, Be=0, CS=1, De=0, Do=0, Gl=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 - [Car_Moving] -> c35q0 = AC=0, Be=0, CS=1, De=0, Do=0, Gl=0, Li=0, Lo=0, Mv=1, Tr=0, Us=1, Wa=0 - [Car_Stopping] -> c32q2 = AC=0, Be=0, CS=1, De=0, Do=0, Gl=0, Li=0, Lo=0, Mv=1, Tr=0, Us=1, Wa=0
c32q2 = AC=0, Be=0, CS=1, De=0, Do=0, Gl=0, Li=0, Lo=0, Mv=1, Tr=0, Us=1, Wa=0 - [Doors_Opening] -> c14q0 = AC=0, Be=0, CS=1, De=0, Do=1, Gl=0,

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Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0
c1q4 = 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 ]-> c3q4 = AC=0, Be=0, CS=0, De=0, Do=1, Gl=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0
c3q4 = AC=0, Be=0, CS=0, De=0, Do=1, Gl=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 - [ Doors_Closing ]-> c0q6 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0
c0q6 = 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 ]-> c1q4 = 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 ]-> c13q4 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=1, Li=0, Lo=0, Mv=1, Tr=0, Us=1, Wa=0 - [ Light_Activation ]-> c21q4 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=1, Li=1, Lo=0, Mv=1, Tr=0, Us=1, Wa=0
c21q4 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=1, Li=1, Lo=0, Mv=1, Tr=0, Us=1, Wa=0 - [ Light_Deactivation ]-> c13q4 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=0, Li=0, Lo=0, Mv=1, Tr=0, Us=1, Wa=0
c13q4 = AC=0, Be=0, CS=0, De=0, Do=0, Gl=1, Li=0, Lo=0, Mv=1, Tr=0, Us=1, Wa=0 - [ Glasses_Closing ]-> c1q4 = 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 ]-> c0q6 = 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 ]-> c4q4 = 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 ]-> c0q6 = 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 ]-> c3q4 = 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 ]-> c14q0 = AC=0, Be=0, CS=1, De=0, Do=1, Gl=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 - [ Light_Activation ]-> c40q0 = AC=0, Be=0, CS=1, De=0, Do=1, Gl=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 - [ Light_Deactivation ]-> c14q0 = AC=0, Be=0, CS=1, De=0, Do=1, Gl=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0
c14q0 = 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 ]-> c32q2 = AC=0, Be=0, CS=1, De=0, Do=0, Gl=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 - [ Light_Activation ]-> c46q2 = AC=0, Be=0, CS=1, De=0, Do=0, Gl=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 - [ Light_Deactivation ]-> c32q2 = AC=0, Be=0, CS=1, De=0, Do=0, Gl=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 - [ Doors_Locking ]-> c45q0 = AC=0, Be=0, CS=1, De=0, Do=0, Gl=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 - [ Doors_Locking ]-> c45q0 = AC=0, Be=0, CS=1, De=0, Do=0, Gl=0, Li=0, Lo=0, Mv=0, Tr=0, Us=1, Wa=0 - [ Increment_Chronometer ]-> c17q4 = AC=0, Be=0, CS=0, De=1, Do=0, Gl=0, Li=0, Lo=1, Mv=0, Tr=1, Us=1, Wa=0
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c0q6 = 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 ]-> c5q6 = 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_Deactivation ]-> c0q6 = 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 ]-> c2q4 = 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 ]-> c17q4 = AC=0, Be=0, CS=0, De=1, Do=0, Gl=0, Li=0, Lo=1, Mv=0, Tr=1, Us=1, Wa=0
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SET EXPECTED AS:

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q0 = ~(p0 = CS=0), ~(p1 = and(Tr=0, Mv=0, Do=0, Us=1, Lo=0, Gl=0, AC=0)), ~(p2 = and(Tr=0, Lo=1, Do=0, Us=1))
q1 = ~(p0 = CS=0), ~(p1 = and(Tr=0, Mv=0, Do=0, Us=1, Lo=0, Gl=0, AC=0)), ~(p2 = and(Tr=0, Lo=1, Do=0, Us=1))
q2 = ~(p0 = CS=0), (p1 = and(Tr=0, Mv=0, Do=0, Us=1, Lo=0, Gl=0, AC=0)), ~(p2 = and(Tr=0, Lo=1, Do=0, Us=1))
q4 = (p0 = CS=0), ~(p1 = and(Tr=0, Mv=0, Do=0, Us=1, Lo=0, Gl=0, AC=0)), ~(p2 = and(Tr=0, Lo=1, Do=0, Us=1))
q5 = (p0 = CS=0), ~(p1 = and(Tr=0, Mv=0, Do=0, Us=1, Lo=0, Gl=0, AC=0)), ~(p2 = and(Tr=0, Lo=1, Do=0, Us=1))
q6 = (p0 = CS=0), (p1 = and(Tr=0, Mv=0, Do=0, Us=1, Lo=0, Gl=0, AC=0)), ~(p2 = and(Tr=0, Lo=1, Do=0, Us=1))

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SET RCHD AS.

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SET_RCMD_AS:
q1 = -(p0 = CS=0), -(p1 = and(Tr=0, Mv=0, Do=0, Us=1, Lo=0, Gl=0, AC=0)), -(p2 = and(Tr=0, Lo=1, Do=0, Us=1))
q2 = -(p0 = CS=0), (p1 = and(Tr=0, Mv=0, Do=0, Us=1, Lo=0, Gl=0, AC=0)), -(p2 = and(Tr=0, Lo=1, Do=0, Us=1))
q4 = (p0 = CS=0), -(p1 = and(Tr=0, Mv=0, Do=0, Us=1, Lo=0, Gl=0, AC=0)), -(p2 = and(Tr=0, Lo=1, Do=0, Us=1))
q6 = (p0 = CS=0), (p1 = and(Tr=0, Mv=0, Do=0, Us=1, Lo=0, Gl=0, AC=0)), -(p2 = and(Tr=0, Lo=1, Do=0, Us=1))

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SET RCHD EXPECTED AS:

SET_EXPECTED_AT:

SET RCHD AT:

SET_RCHD_EXPECTED_AT:

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CS=0), ~ (p1 = and(Tr=0, Mv=0, Do=0, Us=1, Lo=0, Gl=0, AC=0)), ~ (p2 = and(Tr=0, Lo=1, Do=0, Us=1))
q4 = (p0 = CS=0), ~ (p1 = and(Tr=0, Mv=0, Do=0, Us=1, Lo=0, Gl=0, AC=0)), ~ (p2 = and(Tr=0, Lo=1, Do=0, Us=1)) - [ Light_Deactivation ]-> q4 = (p0 = CS=0),
~ (p1 = and(Tr=0, Mv=0, Do=0, Us=1, Lo=0, Gl=0, AC=0)), ~ (p2 = and(Tr=0, Lo=1, Do=0, Us=1))
q6 = (p0 = CS=0), (p1 = and(Tr=0, Mv=0, Do=0, Us=1, Lo=0, Gl=0, AC=0)), ~ (p2 = and(Tr=0, Lo=1, Do=0, Us=1)) - [ Car_Moving ]-> q4 = (p0 = CS=0),
~ (p1 = and(Tr=0, Mv=0, Do=0, Us=1, Lo=0, Gl=0, AC=0)), ~ (p2 = and(Tr=0, Lo=1, Do=0, Us=1))
q6 = (p0 = CS=0), (p1 = and(Tr=0, Mv=0, Do=0, Us=1, Lo=0, Gl=0, AC=0)), ~ (p2 = and(Tr=0, Lo=1, Do=0, Us=1)) - [ Doors_Locking ]-> q4 = (p0 = CS=0),
~ (p1 = and(Tr=0, Mv=0, Do=0, Us=1, Lo=0, Gl=0, AC=0)), ~ (p2 = and(Tr=0, Lo=1, Do=0, Us=1))
q6 = (p0 = CS=0), (p1 = and(Tr=0, Mv=0, Do=0, Us=1, Lo=0, Gl=0, AC=0)), ~ (p2 = and(Tr=0, Lo=1, Do=0, Us=1)) - [ Doors_Opening ]-> q4 = (p0 = CS=0),
~ (p1 = and(Tr=0, Mv=0, Do=0, Us=1, Lo=0, Gl=0, AC=0)), ~ (p2 = and(Tr=0, Lo=1, Do=0, Us=1))
q6 = (p0 = CS=0), (p1 = and(Tr=0, Mv=0, Do=0, Us=1, Lo=0, Gl=0, AC=0)), ~ (p2 = and(Tr=0, Lo=1, Do=0, Us=1)) - [ Glasses_Opening ]-> q4 = (p0 = CS=0),
~ (p1 = and(Tr=0, Mv=0, Do=0, Us=1, Lo=0, Gl=0, AC=0)), ~ (p2 = and(Tr=0, Lo=1, Do=0, Us=1))
q6 = (p0 = CS=0), (p1 = and(Tr=0, Mv=0, Do=0, Us=1, Lo=0, Gl=0, AC=0)), ~ (p2 = and(Tr=0, Lo=1, Do=0, Us=1)) - [ Light_Activation ]-> q6 = (p0 = CS=0),
~ (p1 = and(Tr=0, Mv=0, Do=0, Us=1, Lo=0, Gl=0, AC=0)), ~ (p2 = and(Tr=0, Lo=1, Do=0, Us=1))
q6 = (p0 = CS=0), (p1 = and(Tr=0, Mv=0, Do=0, Us=1, Lo=0, Gl=0, AC=0)), ~ (p2 = and(Tr=0, Lo=1, Do=0, Us=1)) - [ Light_Deactivation ]-> q6 = (p0 = CS=0),
~ (p1 = and(Tr=0, Mv=0, Do=0, Us=1, Lo=0, Gl=0, AC=0)), ~ (p2 = and(Tr=0, Lo=1, Do=0, Us=1))

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SET_UNRULING_AS:
q1 =  $\neg(p_0 = CS_0)$ ,  $\neg(p_1 = \text{and}(\text{Tr}=0, Mv=0, Do=0, Us=1, Lo=0, Gl=0, AC=0))$ ,  $(p_2 = \text{and}(\text{Tr}=0, Lo=1, Do=0, Us=1))$ 
q5 =  $\neg(p_0 = CS_0)$ ,  $\neg(p_1 = \text{and}(\text{Tr}=0, Mv=0, Do=0, Us=1, Lo=0, Gl=0, AC=0))$ ,  $(p_2 = \text{and}(\text{Tr}=0, Lo=1, Do=0, Us=1))$ 

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SET_UNRCHD_EXPECTED_AS:
q1 = !(p0 = CS=0), !(p1 = and(Tr=0, Mv=0, Do=0, Us=1, Lo=0, Gl=0, AC=0)), (p2 = and(Tr=0, Lo=1, Do=0, Us=1))
q5 = !(p0 = CS=0), !(p1 = and(Tr=0, Mv=0, Do=0, Us=1, Lo=0, Gl=0, AC=0)), (p2 = and(Tr=0, Lo=1, Do=0, Us=1))

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CS=0), $\neg(p1 = \text{and}(\text{Tr}=0, \text{Mv}=0, \text{Do}=0, \text{Us}=1, \text{Lo}=0, \text{Gl}=0, \text{AC}=0))$, $(p2 = \text{and}(\text{Tr}=0, \text{Lo}=1, \text{Do}=0, \text{Us}=1))$
q5 = $(p0 = \text{CS}=0)$, $\neg(p1 = \text{and}(\text{Tr}=0, \text{Mv}=0, \text{Do}=0, \text{Us}=1, \text{Lo}=0, \text{Gl}=0, \text{AC}=0))$, $(p2 = \text{and}(\text{Tr}=0, \text{Lo}=1, \text{Do}=0, \text{Us}=1))$ - [Doors_Unlocking]-> q4 = $(p0 = \text{CS}=0)$, $\neg(p1 = \text{and}(\text{Tr}=0, \text{Mv}=0, \text{Do}=0, \text{Us}=1, \text{Lo}=0, \text{Gl}=0, \text{AC}=0))$, $\neg(p2 = \text{and}(\text{Tr}=0, \text{Lo}=1, \text{Do}=0, \text{Us}=1))$
q5 = $(p0 = \text{CS}=0)$, $\neg(p1 = \text{and}(\text{Tr}=0, \text{Mv}=0, \text{Do}=0, \text{Us}=1, \text{Lo}=0, \text{Gl}=0, \text{AC}=0))$, $(p2 = \text{and}(\text{Tr}=0, \text{Lo}=1, \text{Do}=0, \text{Us}=1))$ - [Doors_Unlocking]-> q6 = $(p0 = \text{CS}=0)$, $(p1 = \text{and}(\text{Tr}=0, \text{Mv}=0, \text{Do}=0, \text{Us}=1, \text{Lo}=0, \text{Gl}=0, \text{AC}=0))$, $\neg(p2 = \text{and}(\text{Tr}=0, \text{Lo}=1, \text{Do}=0, \text{Us}=1))$
q5 = $(p0 = \text{CS}=0)$, $\neg(p1 = \text{and}(\text{Tr}=0, \text{Mv}=0, \text{Do}=0, \text{Us}=1, \text{Lo}=0, \text{Gl}=0, \text{AC}=0))$, $(p2 = \text{and}(\text{Tr}=0, \text{Lo}=1, \text{Do}=0, \text{Us}=1))$ - [User_Unauthorized]-> q4 = $(p0 = \text{CS}=0)$, $\neg(p1 = \text{and}(\text{Tr}=0, \text{Mv}=0, \text{Do}=0, \text{Us}=1, \text{Lo}=0, \text{Gl}=0, \text{AC}=0))$, $\neg(p2 = \text{and}(\text{Tr}=0, \text{Lo}=1, \text{Do}=0, \text{Us}=1))$

TIME_ATS: 00:00:01.468

TIME_TESTS: 00:00:00.000