Results for FULL (in 00:00:02.537):

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: 5

TAU_AS: 100.00

NB_AT: 26

NB_AT_RCHD: 26

TAU_AT: 100.00

NB_EXPECTED_AS: 5

NB_EXPECTED_AS_RCHD: 5

TAU_EXPECTED_AS: 100.00

NB_EXPECTED_AT: 2

NB_EXPECTED_AT_RCHD: 2

TAU_EXPECTED_AT: 100.00

NB_CS: 60

NB_CS_RCHD: 60

NB_CT: 148

NB_CT_RCHD: 148

RHO_CS: 100.00

RHO_CT: 100.00

```
SET_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))
q2 = ¬(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,
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,
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, 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_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))
q2 = ¬(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,
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,
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, 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_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))
q2 = ¬(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,
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,
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, 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_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))
q9 = (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)) -[ 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))


SET_RCHD_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_Activation ]-> q2 = ¬(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))
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))
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,
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AC=1, Lo=1)), ¬(p3 = and(Tr=0, Mv=0, Us=0, Be=1)) -[Car_Stopping]-> 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))
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)) -[Ch_Sec_Activation]-> 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))
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)) -[Ch_Sec_Deactivation]-> 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))
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)) -[Doors_Closing]-> 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))
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)) -[Doors_Unlocking]-> 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))
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)) -[Glasses_Closing]-> 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))
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)) -[Glasses_Opening]-> 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))
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)) -[Increment_Chronometer]-> 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))
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)) -[Light_Activation]-> 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))
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)) -[Light_Deactivation]-> 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))
q2 = ¬(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]-> 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))
q2 = ¬(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)) -[Doors_Unlocking]-> q0 = ¬(p0 = and(Tr=0, Mv=0, AC=1, Do=1)), ¬(p1 = and(Tr=0, Mv=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))
q2 = ¬(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)) -[User_Unauthorized]-> 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))
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)) -[Car_Moving]-> 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,
AC=1, Lo=1)), ¬(p3 = and(Tr=0, Mv=0, Us=0, Be=1)) -[Doors_Locking]-> 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,
AC=1, Lo=1)), ¬(p3 = and(Tr=0, Mv=0, Us=0, Be=1)) -[Doors_Opening]-> 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,
AC=1, Lo=1)), ¬(p3 = and(Tr=0, Mv=0, Us=0, Be=1)) -[Doors_Opening]-> 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, 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,
AC=1, Lo=1)), ¬(p3 = and(Tr=0, Mv=0, Us=0, Be=1)) -[Glasses_Closing]-> 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))
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)) -[Glasses_Opening]-> 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))
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)) -[Light_Activation]-> 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))
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)) -[Light_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))
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,
AC=1, Lo=1)), ¬(p3 = and(Tr=0, Mv=0, Us=0, Be=1)) -[Be_Activation]-> q9 = (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, 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)) -[Be_Activation]-> q9 = (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, 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, 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_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))
q9 = (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)) -[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))

SET_UNRCHD_AS:

SET_UNRCHD_EXPECTED_AS:

SET_UNRCHD_AT:

SET_UNRCHD_EXPECTED_AT:

TIME_ATS: 00:00:02.537