Vt\_Senario1\_Out

Time Inconsistencies:-

[[The condition C2 in the action source AS2 Has invalid time value/ range ],[],[]]

Res = [res('AS2', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS1', 'There is no same event contradiction', [], 'There is no different event contradiction', [], [])]

Vt\_Senario2\_Out

Time Inconsistencies:-

[[The condition C2 in the action source AS2 Has invalid time value/ range ],[],[]]

Res = [res('AS2', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS1', 'There is no same event contradiction', [], 'There is no different event contradiction', [], [])]

Vt\_Senario3\_Out

Time Inconsistencies:-

[[The trigger T2 in the action source AS2 Has invalid time value/ range ],[],[]]

Res = [res('AS2', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS1', 'There is no same event contradiction', [], 'There is no different event contradiction', [], [])]

Vt\_Senario4\_Out

Time Inconsistencies:-

[[The trigger T2 in the action source AS2 Has invalid time value/ range ],[],[]]

Res = [res('AS2', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS1', 'There is no same event contradiction', [], 'There is no different event contradiction', [], [])]

Vt\_Senario5\_Out

Time Inconsistencies:-

[[The scope S1 in the action source AS2 Has invalid time value/ range ],[],[]]

Res = [res('AS2', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS1', 'There is no same event contradiction', [], 'There is no different event contradiction', [], [])]

Vt\_Senario6\_Out

Time Inconsistencies:-

[[The scope S1 in the action source AS2 Has invalid time value/ range ],[],[]]

Res = [res('AS2', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS1', 'There is no same event contradiction', [], 'There is no different event contradiction', [], [])]

Vt\_Senario7\_Out

Time Inconsistencies:-

[[The scope S2 in the action source AS2 Has invalid time value/ range ],[],[]]

Res = [res('AS2', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS1', 'There is no same event contradiction', [], 'There is no different event contradiction', [], [])]

Vt\_Senario8\_Out

Time Inconsistencies:-

[[The scope S2 in the action source AS2 Has invalid time value/ range ],[],[]]

Res = [res('AS2', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS1', 'There is no same event contradiction', [], 'There is no different event contradiction', [], [])]

Vt\_Senario9\_Out

Time Inconsistencies:-

[[The scope S2 in the action source AS2 Has invalid time value/ range ],[],[]]

Res = [res('AS2', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS1', 'There is no same event contradiction', [], 'There is no different event contradiction', [], [])]

Vt\_Senario10\_Out

Time Inconsistencies:-

[[The scope S2 in the action source AS2 Has invalid time value/ range ],[],[]]

Res = [res('AS2', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS1', 'There is no same event contradiction', [], 'There is no different event contradiction', [], [])]

Vt\_Senario11\_Out

Time Inconsistencies:-

[[The scope S1 in the action source AS2 Has invalid time value/ range ],[],[],[],[]]

Res = [res('AS2', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS1', 'There is no same event contradiction', [], 'There is no different event contradiction', [], [])

Vt\_Senario12\_Out

Time Inconsistencies:-

[[The scope S1 in the action source AS2 Has invalid time value/ range ],[],[],[],[]]

Res = [res('AS2', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS1', 'There is no same event contradiction', [], 'There is no different event contradiction', [], [])

Vt\_Senario0\_Out

Time Inconsistencies:-

[[The condition C2 in the action source AS2 Has invalid time value/ range ],[The scope S11 in the action source AS16 Has invalid time value/ range ,The scope S11 in the action source AS12 Has invalid time value/ range ],[],[The scope S7 in the action source AS24 Has invalid time value/ range ,The scope S7 in the action source AS20 Has invalid time value/ range ],[The condition C4 in the action source AS4 Has invalid time value/ range ],[],[The trigger T2 in the action source AS6 Has invalid time value/ range ],[The scope S9 in the action source AS14 Has invalid time value/ range ,The scope S9 in the action source AS10 Has invalid time value/ range ],[The trigger T4 in the action source AS8 Has invalid time value/ range ],[The scope S4 in the action source AS18 Has invalid time value/ range ,The scope S4 in the action source AS22 Has invalid time value/ range ],[],[],[],[],[]]

Res = res(AS2,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS3,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS4,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS5,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS6,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS19,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS7,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS8,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS17,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS9,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS18,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS15,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS16,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS13,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS24,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS14,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS11,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS22,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS12,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS23,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS20,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS10,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS21,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS1,There is no same event contradiction,[],There is no different event contradiction,[],[])]

Case-4: multi-diff

Scenario\_1:

Time Inconsistencies:-

[[],[],[],[]]

Res = [res('AS2', 'There is no same event contradiction', [], 'There is no different event contradiction', ['AS1'], [contrad(actionSource('AS1', [], [], ['A1'], [], ['S1'], '', '', '', '', ''), ['AS3'])]), res('AS3', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS1', 'There is no same event contradiction', [], 'There is no different event contradiction', [], [])]

Senario\_2:

Time Inconsistencies:-

[[],[],[],[]]

Res = [res('AS2', 'There is no same event contradiction', [], 'There is no different event contradiction', ['AS1'], [contrad(actionSource('AS1', [], [], ['A1'], [], ['S1'], '', '', '', '', ''), ['AS3'])]), res('AS3', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS1', 'There is no same event contradiction', [], 'There is no different event contradiction', [], [])]

Senario\_3:

Time Inconsistencies:-

[[],[],[],[]]

Res = [res('AS2', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS3', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS1', 'There is no same event contradiction', [], 'There is no different event contradiction', [], [])]

Senario\_4:

Time Inconsistencies:-

[[],[],[]]

Res = [res('AS2', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS3', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS1', 'There is no same event contradiction', [], 'There is no different event contradiction', [], [])]

Senario\_5:

Time Inconsistencies:-

[[],[],[]]

Res = [res('AS2', 'There is no same event contradiction', [], 'There is no different event contradiction', ['AS1'], [contrad(actionSource('AS1', [], [], ['A1'], [], ['S1'], '', '', '', '', ''), ['AS2'])]), res('AS3', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS1', 'There is no same event contradiction', [], 'There is no different event contradiction', [], [])]

Senario\_6:

Time Inconsistencies:-

[[],[],[]]

Res = [res('AS2', 'There is no same event contradiction', [], 'There is no different event contradiction', ['AS1'], [contrad(actionSource('AS1', [], [], ['A1'], [], ['S1'], '', '', '', '', ''), ['AS3'])]), res('AS3', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS1', 'There is no same event contradiction', [], 'There is no different event contradiction', [], [])]

Senario\_7:

Time Inconsistencies:-

[[],[],[]]

Res = [res('AS2', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS3', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS1', 'There is no same event contradiction', [], 'There is no different event contradiction', [], [])]

Senario\_8:

Time Inconsistencies:-

[[],[],[]]

Res = [res('AS2', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS3', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS1', 'There is no same event contradiction', [], 'There is no different event contradiction', [], [])]

Case-1: Single-Same

Scenario\_1:

Time Inconsistencies:-

[[]]

Res = [res('AS1', 'Has same event contradiction', [], 'There is no different event contradiction', [], [])]

Scenario\_2:

Time Inconsistencies:-

[[]]

Res = [res('AS1', 'Has same event contradiction', [], 'There is no different event contradiction', [], [])]

Scenario\_3:

Time Inconsistencies:-

[[]]

Res = [res('AS1', 'Has same event contradiction', [], 'There is no different event contradiction', [], [])]

Scenario\_4:

Time Inconsistencies:-

[[]]

Res = [res('AS1', 'Has same event contradiction', [], 'There is no different event contradiction', [], [])]

Case-2: Single-Same

Scenario\_1:

Time Inconsistencies:-

[[],[],[]]

Res = [res('AS2', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS1', 'There is no same event contradiction', [], 'There is no different event contradiction', [], [])]

Scenario\_2:

Time Inconsistencies:-

[[],[],[]]

Res = [res('AS2', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS1', 'There is no same event contradiction', [], 'There is no different event contradiction', [], [])]

Scenario\_3:

Time Inconsistencies:-

[[],[],[]]

Res = [res('AS2', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS1', 'There is no same event contradiction', [], 'There is no different event contradiction', [], [])]

Scenario\_4:

Time Inconsistencies:-

[[],[],[]]

Res = [res('AS2', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS1', 'There is no same event contradiction', [], 'There is no different event contradiction', [], [])]

Scenario\_5:

Time Inconsistencies:-

[[],[],[]]

Res = [res('AS2', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS1', 'There is no same event contradiction', [], 'There is no different event contradiction', [], [])]

Scenario\_6:

Time Inconsistencies:-

[[],[],[]]

Res = [res('AS2', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS1', 'There is no same event contradiction', [], 'There is no different event contradiction', [], [])]

Senario\_7:

Time Inconsistencies:-

[[],[],[]]

Res = [res('AS2', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS1', 'There is no same event contradiction', [], 'Has different event contradiction', [], [])]

Senario\_8:

Time Inconsistencies:-

[[],[],[]]

Res = [res('AS2', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS1', 'There is no same event contradiction', [], 'Has different event contradiction', [], [])]

Case-3: Multi-Same

Scenario\_1:

Time Inconsistencies:-

[[],[],[]]

Res = [res('AS2', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS1', 'There is no same event contradiction', ['AS2'], 'There is no different event contradiction', [], [])]

Scenario\_2:

Time Inconsistencies:-

[[],[],[]]

Res = [res('AS2', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS1', 'There is no same event contradiction', ['AS2'], 'There is no different event contradiction', [], [])]

Scenario\_3:

Time Inconsistencies:-

[[],[],[]]

Res = [res('AS2', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS1', 'There is no same event contradiction', ['AS2'], 'There is no different event contradiction', [], [])]

Scenario\_4:

Time Inconsistencies:-

[[],[],[]]

Res = [res('AS2', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS1', 'There is no same event contradiction', ['AS2'], 'There is no different event contradiction', [], [])]

Scenario\_5:

Time Inconsistencies:-

[[],[],[]]

Res = [res('AS2', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS1', 'There is no same event contradiction', [], 'There is no different event contradiction', [], [])]

Scenario\_6:

Time Inconsistencies:-

[[],[],[]]

Res = [res('AS2', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS1', 'There is no same event contradiction', [], 'There is no different event contradiction', [], [])]

Scenario\_7:

Time Inconsistencies:-

[[],[],[]]

Res = [res('AS2', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS1', 'There is no same event contradiction', [], 'There is no different event contradiction', [], [])]

Scenario\_8:

Time Inconsistencies:-

[[],[],[]]

Res = [res('AS2', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS1', 'There is no same event contradiction', [], 'There is no different event contradiction', [], [])]

Senario\_S0:

Time Inconsistencies:-

[[],[],[],[],[],[],[],[],[],[],[],[],[],[],[],[],[]]

Res = [res('AS39', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS37', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS38', 'There is no same event contradiction', ['AS22'], 'There is no different event contradiction', ['AS37'], [contrad(actionSource('AS37', [], [], ['A10'], [], ['S23'], '', '', '', '', ''), ['AS39'])]), res('AS35', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS36', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS33', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res('AS34', 'There is no same event contradiction', [], 'There is no different event contradiction', [], []), res(..., ..., ..., ..., ..., ...)|...])

[res(AS39,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS37,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS38,There is no same event contradiction,[AS22],There is no different event contradiction,[AS37],[contrad(actionSource(AS37,[],[],[A10],[],[S23],,,,,),[AS39])]),res(AS35,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS36,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS33,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS34,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS31,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS32,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS30,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS48,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS49,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS46,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS47,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS44,There is no same event contradiction,[],There is no different event contradiction,[AS27],[contrad(actionSource(AS27,[C8],[],[A13],[S13],[],,,,,),[AS45])]),res(AS45,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS42,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS43,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS40,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS41,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS1,Has same event contradiction,[],There is no different event contradiction,[],[]),res(AS2,Has same event contradiction,[],There is no different event contradiction,[],[]),res(AS3,Has same event contradiction,[],There is no different event contradiction,[],[]),res(AS4,Has same event contradiction,[],There is no different event contradiction,[],[]),res(AS5,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS6,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS19,There is no same event contradiction,[],Has different event contradiction,[],[]),res(AS7,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS8,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS17,There is no same event contradiction,[],Has different event contradiction,[],[]),res(AS9,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS18,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS15,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS59,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS16,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS13,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS57,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS14,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS58,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS11,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS55,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS12,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS56,There is no same event contradiction,[],There is no different event contradiction,[AS17],[contrad(actionSource(AS17,[],[],[A12],[],[S27,S12],,,,,( S27 AND S12 )),[AS51])]),res(AS53,There is no same event contradiction,[],There is no different event contradiction,[AS52],[contrad(actionSource(AS52,[],[],[A4],[],[S22],,,,,),[AS54])]),res(AS10,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS54,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS51,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS52,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS50,There is no same event contradiction,[],There is no different event contradiction,[AS9],[contrad(actionSource(AS9,[],[],[A8],[],[S9,S8],,,,,( S9 AND S8 )),[AS57])]),res(AS28,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS29,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS26,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS27,There is no same event contradiction,[AS28],There is no different event contradiction,[],[]),res(AS24,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS25,There is no same event contradiction,[AS26],There is no different event contradiction,[],[]),res(AS22,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS23,There is no same event contradiction,[AS24],There is no different event contradiction,[],[]),res(AS20,There is no same event contradiction,[],There is no different event contradiction,[],[]),res(AS21,There is no same event contradiction,[AS22],There is no different event contradiction,[],[]),res(AS60,There is no same event contradiction,[],There is no different event contradiction,[],[])]