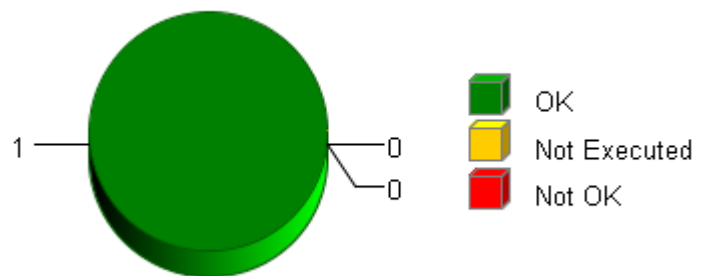


Summary

Total Test Objects: 1
Successful: 1
Failed: 0
Not Executed: 0
Date: 2015-03-23
Time: 19:28:50+0530

Overall Test Object Results (including Coverage)



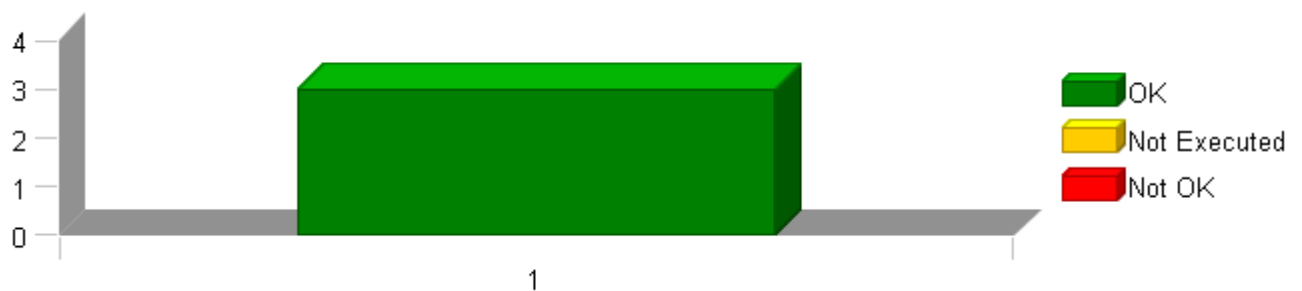
Selected Project Items

Test Object "CBD_UnitTest/ReturnFireWall/ReturnFirewall_Per1"

Used Test Environments

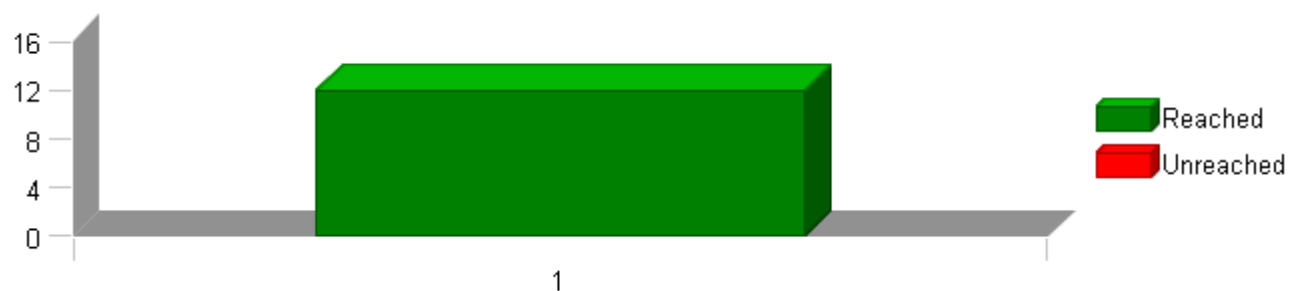
TI TMS 570 PLS UDE (Default)

Test Case Results for Each Test Object (without Coverage)



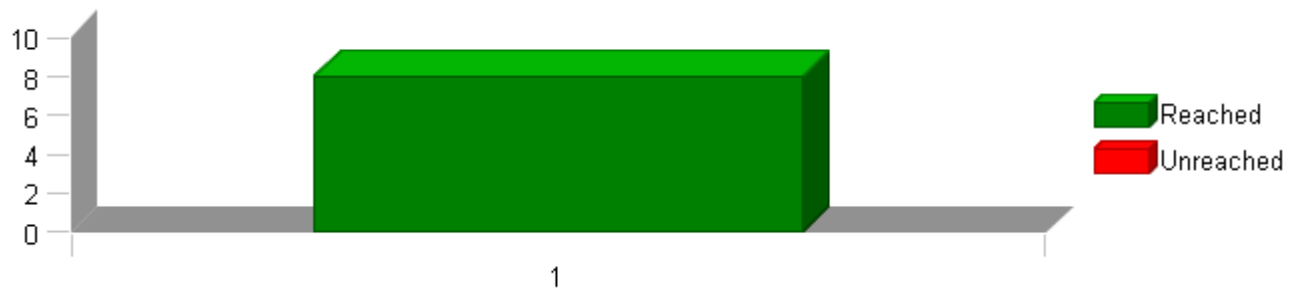
The table above shows each test object on the x axis and the number of test cases of the respective test object on the y axis. Each bar is divided into passed, not executed and failed test cases. The test case results do not take into account any coverage result (i.e. if all test cases of a test object are passed in this table but the coverage is failed, the overall test object result will be failed).

Statement (C0) Coverage: Total Statements for Each Test Object



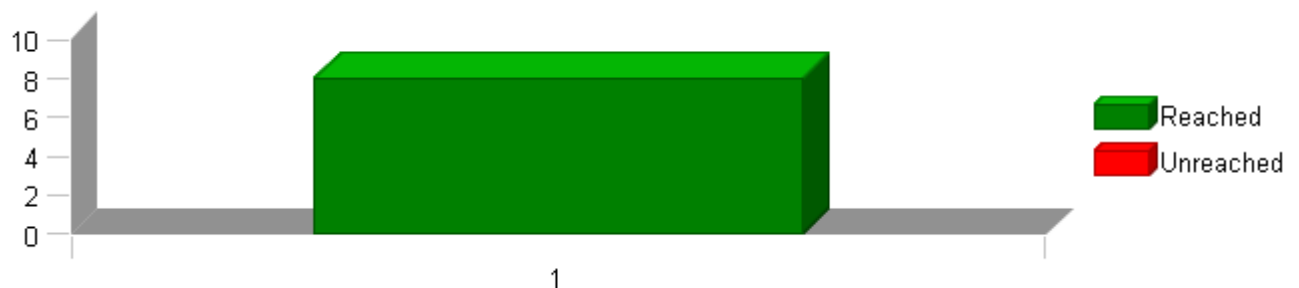
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

Branch (C1) Coverage: Total Branches for Each Test Object



The table above shows each test object on the x axis and the number of branches of the respective test object on the y axis. Each bar is divided into reached branches (i.e. branches that have been executed during the test) and unreached branches.

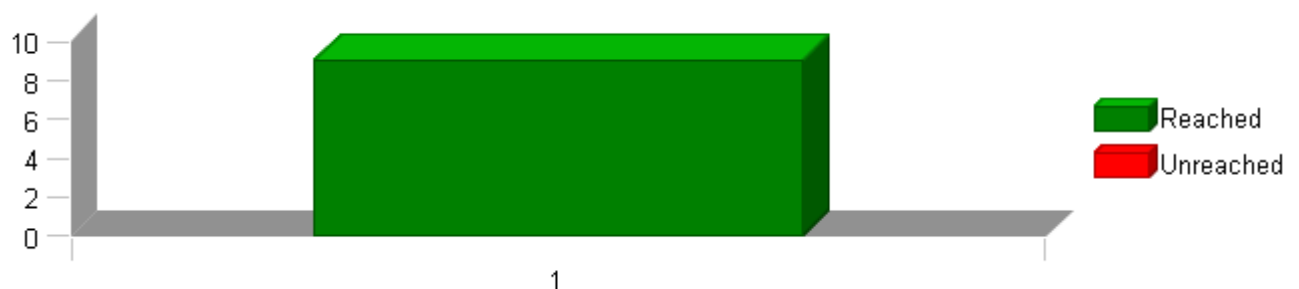
Decision Coverage: Total Decision Outcomes for Each Test Object



The table above shows test objects on the x axis and the number of possible outcomes of all decisions of the respective test object on the y axis. To achieve full DC coverage, each decision must evaluate to both true and false.

Each bar is divided into reached and unreached decision outcomes.

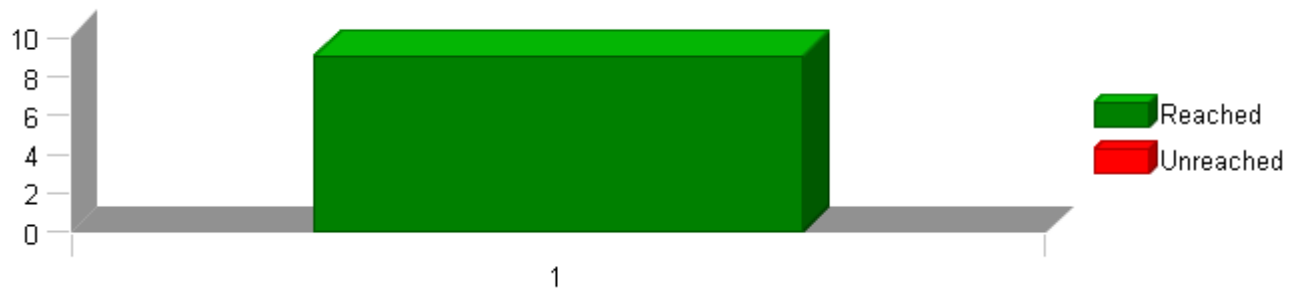
MC/DC Coverage: Total Condition Combinations for Each Test Object



The table above shows test objects on the x axis and the number of condition combinations of all decisions of the respective test object on the y axis. The number of condition combinations is based on the number of boolean conditions within each decision of the test object. To achieve full MC/DC coverage, each decision requires all contained atomic conditions to evaluate to both true and false independently of all other conditions. The cumulated number of rows within such tables of condition combinations is what is displayed in this table.

Each bar is divided into reached condition combinations (i.e. combinations of boolean condition values that have been executed during the test) and unreached condition combinations.

MCC Coverage: Total Condition Combinations for Each Test Object



The table above shows test objects on the x axis and the number of condition combinations of all decisions of the respective test object on the y axis. The number of condition combinations is based on the number of boolean conditions within each decision of the test object. To achieve full MCC coverage, each decision requires all contained atomic conditions to evaluate to all possible combinations of true and false values. The cumulated number of rows within such tables of condition combinations is what is displayed in this table.

Each bar is divided into reached condition combinations (i.e. combinations of boolean condition values that have been executed during the test) and unreached condition combinations.

TEST OVERVIEW REPORT

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Project Return



Test Object List

The following table lists all test objects with their test case and coverage results. The cumulated results for modules, folders and test collections are also displayed, the indentation within the name column indicates the parent relationship of the elements.

Please note that only test objects are numbered within the first column. This number is referenced on the x axis within the overview charts for test case and coverage results available on previous pages (if included into the report).

No.	Name	C0	C1	DC	MC/DC	MCC	Test Cases	Result
	Return	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓
	CBD_UnitTest	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓
	ReturnFireWall	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓
1	ReturnFirewall_Per1	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓

TEST DETAILS REPORT

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ReturnFirewall_Per1



Project	Return
Module	ReturnFireWall
Test Object	ReturnFirewall_Per1

Instrumentation: Test Object Only

Statement (C0) Coverage	100 %
Decision Coverage	100 %
Branch (C1) Coverage	100 %
MCC Coverage	100 %
MC/DC Coverage	100 %

Statistics

Total Testcases	3
Successful	3 ✓
Failed	0
Not Executed	0

Module Properties

Project Root Directory	D:\Synergy_Work_Area\ReturnFirewall_CBD
Configuration File	D:\Synergy_Work_Area\ReturnFirewall_CBD\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	\$(PROJECTROOT)\ReturnFirewall\src\Ap_ReturnFirewall.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -I\$(PROJECTROOT)\ReturnFirewall\utp\contract -I\$(PROJECTROOT)\ReturnFirewall\utp\contract\Ap_ReturnFirewall -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\NxtrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -I\$(PROJECTROOT)\ReturnFirewall\utp\contract -I\$(PROJECTROOT)\ReturnFirewall\utp\contract\Ap_ReturnFirewall -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(Compiler Install Path)\include

Comments/Description/Specification

Name	Text
------	------

TEST DETAILS REPORT

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ReturnFirewall_Per1

Module 'ReturnFireWall'

*****Unit Test Information*****

Name of Tester: Surbhi Goel
Code File(s) Under Test: Ap_ReturnFirewall.c
Code File(s) Version: 10
Module Design Document: Return_Firewall_MDD.docx
Module Design Document Version: 10
Data Dictionary Version: 9
Unit Test Plan Version: 6
Optimization Level: Level 2
Compiler (CodeGen) Version: TMS470_4.9.5
Model Type: Excel Macro
Model Version: Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.31
Total FLASH Used (Bytes): 372
Total RAM Used (Bytes): 9
Total CALS Used (Bytes): 216
Special Test Requirements:
Test Date: 03-23-2015
Comments:
Note1: Inline Function defined in globalmacro.h is not unit tested.

Note2: In ""ReturnFirewall_Per1"" function, ""Defeat_Return_Svc_Cnt_Igc"" always kept FALSE to make ""if((DefeatReturnSvc_Cnt_T_Igc != D_FALSE_CNT_LGC) && (MECCounter_Cnt_T_enum != ProductionMode)) "" condition FALSE except Boundray Test for variables used in Condition and Path coverage.

Note3: ""CBD_Sandbox_dbg.map"" map file is embedded for reference.

Attributes	
Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(TESSY_SYSPATH)\compiler\ti\tms470\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 4.0
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
Timer Unit	Cycles
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\ReturnFirewall_CBD\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

TEST DETAILS REPORT

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ReturnFirewall_Per1

Test Case 1: Metrics Test

Specification	Performance Metrics: (With "None" Instrumentation and "WithPS" Environment) CPU Cycles: TS1.1 794.00 Cycles Shortest Path TS1.2 1350.00 Cycles Longest Path
Description	Vector Description: TS1.1 Shortest Execution Path: ((DefeatReturnSvc_Cnt_T_lgc != D_FALSE_CNT_LGC) && (MECCounter_Cnt_T_enum != ProductionMode))=True TS1.2 Longest Execution Path:((DefeatReturnSvc_Cnt_T_lgc != D_FALSE_CNT_LGC) && (MECCounter_Cnt_T_enum != ProductionMode)) = False LimitedReturn_MtrNm_T_f32 = Limit_m(ReturnCmd_MtrNm_T_f32, LwrBound_MtrNm_T_f32, UprBound_MtrNm_T_f32)=False (Abs_f32_m(ReturnCmd_MtrNm_T_f32 - LimitedReturn_MtrNm_T_f32)> FLT_EPSILON)= False"

Test Step 1.1 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtrnFWUprBoundY_MtrNm_s4p11[0][0]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[0][1]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[0][2]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[0][3]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[0][4]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[0][5]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[0][6]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[0][7]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[0][8]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[0][9]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[0][10]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[1][0]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[1][1]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[1][2]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[1][3]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[1][4]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[1][5]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[1][6]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[1][7]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[1][8]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[1][9]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[1][10]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[2][0]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[2][1]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[2][2]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[2][3]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[2][4]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[2][5]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[2][6]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[2][7]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[2][8]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[2][9]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[2][10]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[3][0]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[3][1]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[3][2]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[3][3]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[3][4]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[3][5]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[3][6]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[3][7]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[3][8]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[3][9]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[3][10]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[4][0]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[4][1]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[4][2]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[4][3]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[4][4]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[4][5]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[4][6]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[4][7]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[4][8]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[4][9]	18022
t2_RtrnFWUprBoundY_MtrNm_s4p11[4][10]	18022

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ReturnFirewall_Per1

Name	Input Value		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	18022		
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	17280		
t_RtrnFWVehSpd_Kph_u9p7[0]	65408		
t_RtrnFWVehSpd_Kph_u9p7[1]	65408		
t_RtrnFWVehSpd_Kph_u9p7[2]	65408		
t_RtrnFWVehSpd_Kph_u9p7[3]	65408		
t_RtrnFWVehSpd_Kph_u9p7[4]	65408		
t_RtrnFWVehSpd_Kph_u9p7[5]	65408		
t_RtrnFWVehSpd_Kph_u9p7[6]	65408		
t_RtrnFWVehSpd_Kph_u9p7[7]	65408		
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	1		
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	900		
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	2		
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	8.80000019		
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	255		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✓

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ReturnFirewall_Per1

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

Test Step 1.2 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	7168

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Name	Input Value		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	8192		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	14336		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	16384		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	-16384		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	-15360		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	-14336		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	-12800		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	-12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	-10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	-8192		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	-7168		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	-4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	-2048		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	2048		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	3072		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	5120		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	7168		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	8192		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	14336		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	16384		
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	-8000		
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	-1968		
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	-1600		
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	-1424		
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	-1248		
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	-1072		
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	-896		
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	-720		
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	-544		
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	-368		
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	-192		
t_RtrnFWVehSpd_Kph_u9p7[0]	128		
t_RtrnFWVehSpd_Kph_u9p7[1]	2688		
t_RtrnFWVehSpd_Kph_u9p7[2]	6528		
t_RtrnFWVehSpd_Kph_u9p7[3]	9600		
t_RtrnFWVehSpd_Kph_u9p7[4]	14208		
t_RtrnFWVehSpd_Kph_u9p7[5]	19328		
t_RtrnFWVehSpd_Kph_u9p7[6]	27008		
t_RtrnFWVehSpd_Kph_u9p7[7]	32640		
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	0		
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	0		
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	0		
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	-0.5		
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	31.5		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDe	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	-0.5	-0.5 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

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ReturnFirewall_Per1

Test Case 2: Boundary Test

Specification Performance Metrics:
(With "None" Instrumentation and "WithPS" Environment)

CPU Cycles:

TS2.1 1315.00 Cycles
TS2.2 1334.00 Cycles
TS2.3 1351.00 Cycles
TS2.4 1403.00 Cycles
TS2.5 1329.00 Cycles
TS2.6 1321.00 Cycles
TS2.7 1406.00 Cycles
TS2.8 1350.00 Cycles
TS2.9 1321.00 Cycles
TS2.10 1341.00 Cycles
TS2.11 1320.00 Cycles
TS2.12 1344.00 Cycles
TS2.13 1361.00 Cycles
TS2.14 1286.00 Cycles
TS2.15 1361.00 Cycles
TS2.16 1462.00 Cycles
TS2.17 1376.00 Cycles
TS2.18 1317.00 Cycles
TS2.19 1347.00 Cycles
TS2.20 1317.00 Cycles
TS2.21 1337.00 Cycles
TS2.22 1334.00 Cycles
TS2.23 1341.00 Cycles
TS2.24 1352.00 Cycles
TS2.25 1412.00 Cycles
TS2.26 1353.00 Cycles
TS2.27 1321.00 Cycles
TS2.28 1409.00 Cycles
TS2.29 1350.00 Cycles
TS2.30 1321.00 Cycles
TS2.31 1341.00 Cycles
TS2.32 1291.00 Cycles
TS2.33 794.00 Cycles

Description Vector Description:

TS2.1HandwheelPosition_HwDeg_f32=Min
TS2.2HandwheelPosition_HwDeg_f32=Max
TS2.3HandwheelPosition_HwDeg_f32=Zero
TS2.4HandwheelPosition_HwDeg_f32=Pos
TS2.5HandwheelPosition_HwDeg_f32=Neg
TS2.6ReturnCmd_MtrNm_f32=Min
TS2.7ReturnCmd_MtrNm_f32=Max
TS2.8ReturnCmd_MtrNm_f32=Zero
TS2.9ReturnCmd_MtrNm_f32=Pos
TS2.10ReturnCmd_MtrNm_f32=Neg
TS2.11VehicleSpeed_Kph_f32=Min
TS2.12VehicleSpeed_Kph_f32=Max
TS2.13VehicleSpeed_Kph_f32=Pos
TS2.14t_RtrnFWVehSpd_Kph_u9p7[8]=Min
TS2.15t_RtrnFWVehSpd_Kph_u9p7[8]=Max
TS2.16t_RtrnFWVehSpd_Kph_u9p7[8]=Pos
TS2.17t_RtrnFWUpBoundX_HwDeg_s11p4[11]=Min
TS2.18t_RtrnFWUpBoundX_HwDeg_s11p4[11]=Max
TS2.19t_RtrnFWUpBoundX_HwDeg_s11p4[11]=Mid
TS2.20t_RtrnFWUpBoundX_HwDeg_s11p4[11]=Pos
TS2.21t_RtrnFWUpBoundX_HwDeg_s11p4[11]=Neg
TS2.22t2_RtrnFWUpBoundY0_MtrNm_s4p11[11]=Min
TS2.23t2_RtrnFWUpBoundY0_MtrNm_s4p11[11]=Max
TS2.24t2_RtrnFWUpBoundY0_MtrNm_s4p11[11]=Mid
TS2.25t2_RtrnFWUpBoundY0_MtrNm_s4p11[11]=Pos
TS2.26t2_RtrnFWUpBoundY0_MtrNm_s4p11[11]=Neg
TS2.27Defeat_Return_Svc_Cnt_lgc=Min
TS2.28Defeat_Return_Svc_Cnt_lgc=Max
TS2.29MEC_Counter_Cnt_enum=Min
TS2.30MEC_Counter_Cnt_enum=Max
TS2.31MEC_Counter_Cnt_enum=Pos
TS2.32All min
TS2.33All max

Test Step 2.1 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][3]	-12800

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Name	Input Value
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	-2048

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Name	Input Value		
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	160		
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	320		
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	480		
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	640		
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	800		
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	960		
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	1120		
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	1280		
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	1440		
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	1600		
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	1760		
t_RtrnFWVehSpd_Kph_u9p7[0]	0		
t_RtrnFWVehSpd_Kph_u9p7[1]	2560		
t_RtrnFWVehSpd_Kph_u9p7[2]	6400		
t_RtrnFWVehSpd_Kph_u9p7[3]	9600		
t_RtrnFWVehSpd_Kph_u9p7[4]	12800		
t_RtrnFWVehSpd_Kph_u9p7[5]	19200		
t_RtrnFWVehSpd_Kph_u9p7[6]	25600		
t_RtrnFWVehSpd_Kph_u9p7[7]	32640		
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	0		
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	-900		
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	1		
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	-1		
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	12		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	-4.39990234	-4.39990234 ± 0.00048828125	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

Test Step 2.2 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][3]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][4]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][5]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][6]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][7]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][8]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][9]	18432
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][10]	20480
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][2]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][3]	-11264
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][4]	-9216
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][5]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][6]	-5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][7]	-3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][8]	-1024
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][9]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][10]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][1]	2048

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Name	Input Value
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	-2048
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	176
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	352
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	528
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	704
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	880
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	1056
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	1232
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	1408
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	1584

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Name	Input Value		
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	1760		
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	3520		
t_RtrnFWVehSpd_Kph_u9p7[0]	1152		
t_RtrnFWVehSpd_Kph_u9p7[1]	3712		
t_RtrnFWVehSpd_Kph_u9p7[2]	7552		
t_RtrnFWVehSpd_Kph_u9p7[3]	9600		
t_RtrnFWVehSpd_Kph_u9p7[4]	25472		
t_RtrnFWVehSpd_Kph_u9p7[5]	20352		
t_RtrnFWVehSpd_Kph_u9p7[6]	32640		
t_RtrnFWVehSpd_Kph_u9p7[7]	38272		
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	0		
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	900		
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	2		
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	-0.200000003		
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	7.64990234	7.64990234 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

Test Step 2.3 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][10]	-2048

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Name	Input Value
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	16384
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	-8000
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	-1968
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	-1600
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	-1424
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	-1248
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	-1072
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	-896
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	-720
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	-544
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	-368
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	-192
t_RtrnFWVehSpd_Kph_u9p7[0]	128
t_RtrnFWVehSpd_Kph_u9p7[1]	2688
t_RtrnFWVehSpd_Kph_u9p7[2]	6528
t_RtrnFWVehSpd_Kph_u9p7[3]	9600
t_RtrnFWVehSpd_Kph_u9p7[4]	14208
t_RtrnFWVehSpd_Kph_u9p7[5]	19328
t_RtrnFWVehSpd_Kph_u9p7[6]	27008

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Name	Input Value		
t_RtnFWVehSpd_Kph_u9p7[7]	32640		
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	0		
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	0		
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	0		
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	-0.5		
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	31.5		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	-0.5	-0.5 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

Test Step 2.4 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtnFWUpBoundY_MtrNm_s4p11[0][0]	-17408
t2_RtnFWUpBoundY_MtrNm_s4p11[0][1]	-16384
t2_RtnFWUpBoundY_MtrNm_s4p11[0][2]	-15360
t2_RtnFWUpBoundY_MtrNm_s4p11[0][3]	-14336
t2_RtnFWUpBoundY_MtrNm_s4p11[0][4]	-13312
t2_RtnFWUpBoundY_MtrNm_s4p11[0][5]	-12288
t2_RtnFWUpBoundY_MtrNm_s4p11[0][6]	-10240
t2_RtnFWUpBoundY_MtrNm_s4p11[0][7]	-8192
t2_RtnFWUpBoundY_MtrNm_s4p11[0][8]	-6144
t2_RtnFWUpBoundY_MtrNm_s4p11[0][9]	-4096
t2_RtnFWUpBoundY_MtrNm_s4p11[0][10]	-2048
t2_RtnFWUpBoundY_MtrNm_s4p11[1][0]	0
t2_RtnFWUpBoundY_MtrNm_s4p11[1][1]	2048
t2_RtnFWUpBoundY_MtrNm_s4p11[1][2]	4096
t2_RtnFWUpBoundY_MtrNm_s4p11[1][3]	5120
t2_RtnFWUpBoundY_MtrNm_s4p11[1][4]	6144
t2_RtnFWUpBoundY_MtrNm_s4p11[1][5]	7168
t2_RtnFWUpBoundY_MtrNm_s4p11[1][6]	10240
t2_RtnFWUpBoundY_MtrNm_s4p11[1][7]	12288
t2_RtnFWUpBoundY_MtrNm_s4p11[1][8]	14336
t2_RtnFWUpBoundY_MtrNm_s4p11[1][9]	16384
t2_RtnFWUpBoundY_MtrNm_s4p11[1][10]	17408
t2_RtnFWUpBoundY_MtrNm_s4p11[2][0]	-17408
t2_RtnFWUpBoundY_MtrNm_s4p11[2][1]	-16384
t2_RtnFWUpBoundY_MtrNm_s4p11[2][2]	-15360
t2_RtnFWUpBoundY_MtrNm_s4p11[2][3]	-14336
t2_RtnFWUpBoundY_MtrNm_s4p11[2][4]	-13312
t2_RtnFWUpBoundY_MtrNm_s4p11[2][5]	-12288
t2_RtnFWUpBoundY_MtrNm_s4p11[2][6]	-10240
t2_RtnFWUpBoundY_MtrNm_s4p11[2][7]	-8192
t2_RtnFWUpBoundY_MtrNm_s4p11[2][8]	-6144
t2_RtnFWUpBoundY_MtrNm_s4p11[2][9]	-4096
t2_RtnFWUpBoundY_MtrNm_s4p11[2][10]	-2048
t2_RtnFWUpBoundY_MtrNm_s4p11[3][0]	0
t2_RtnFWUpBoundY_MtrNm_s4p11[3][1]	2048
t2_RtnFWUpBoundY_MtrNm_s4p11[3][2]	4096
t2_RtnFWUpBoundY_MtrNm_s4p11[3][3]	5120
t2_RtnFWUpBoundY_MtrNm_s4p11[3][4]	6144
t2_RtnFWUpBoundY_MtrNm_s4p11[3][5]	7168
t2_RtnFWUpBoundY_MtrNm_s4p11[3][6]	10240
t2_RtnFWUpBoundY_MtrNm_s4p11[3][7]	12288
t2_RtnFWUpBoundY_MtrNm_s4p11[3][8]	14336

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Name	Input Value
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	17408
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	-10848
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	-10656
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	-9072
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	-9024
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	-8688
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	-7104
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	-5696
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	-5520
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	-3744
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	-3744
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	-3408
t_RtrnFWVehSpd_Kph_u9p7[0]	256
t_RtrnFWVehSpd_Kph_u9p7[1]	2816
t_RtrnFWVehSpd_Kph_u9p7[2]	6656
t_RtrnFWVehSpd_Kph_u9p7[3]	9600
t_RtrnFWVehSpd_Kph_u9p7[4]	28416
t_RtrnFWVehSpd_Kph_u9p7[5]	32256
t_RtrnFWVehSpd_Kph_u9p7[6]	28416
t_RtrnFWVehSpd_Kph_u9p7[7]	32640
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	0
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	400.5
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	2
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	-0.699999988
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	45.6500015
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32

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Name	Input Value		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	3.44189453	3.44189453 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

Test Step 2.5 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	8192

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Name	Input Value		
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	14336		
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	16384		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	-16384		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	-15360		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	-14336		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	-12800		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	-12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	-10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	-8192		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	-7168		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	-4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	-2048		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	2048		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	3072		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	5120		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	7168		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	8192		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	14336		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	16384		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	-16384		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	-15360		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	-14336		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	-12800		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	-12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	-10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	-8192		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	-7168		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	-4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	-2048		
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	160		
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	320		
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	480		
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	640		
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	800		
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	960		
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	1120		
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	1280		
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	1440		
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	1600		
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	1760		
t_RtrnFWVehSpd_Kph_u9p7[0]	0		
t_RtrnFWVehSpd_Kph_u9p7[1]	2560		
t_RtrnFWVehSpd_Kph_u9p7[2]	6400		
t_RtrnFWVehSpd_Kph_u9p7[3]	9600		
t_RtrnFWVehSpd_Kph_u9p7[4]	12800		
t_RtrnFWVehSpd_Kph_u9p7[5]	19200		
t_RtrnFWVehSpd_Kph_u9p7[6]	25600		
t_RtrnFWVehSpd_Kph_u9p7[7]	32640		
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	0		
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	-400.25		
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	1		
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	1.10000002		
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	66.4499969		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	-4.92041016	-4.92041016 ± 0.00048828125	✓

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Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

Test Step 2.6 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	-13312

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Name	Input Value		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	-12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	-10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	-8192		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	-6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	-4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	-2048		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	0		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	2048		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	5120		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	7168		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	14336		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	16384		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	17408		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	-17408		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	-16384		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	-15360		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	-14336		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	-13312		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	-12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	-10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	-8192		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	-6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	-4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	-2048		
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	176		
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	352		
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	528		
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	704		
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	880		
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	1056		
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	1232		
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	1408		
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	1584		
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	1616		
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	1952		
t_RtrnFWVehSpd_Kph_u9p7[0]	128		
t_RtrnFWVehSpd_Kph_u9p7[1]	2688		
t_RtrnFWVehSpd_Kph_u9p7[2]	6528		
t_RtrnFWVehSpd_Kph_u9p7[3]	9600		
t_RtrnFWVehSpd_Kph_u9p7[4]	14208		
t_RtrnFWVehSpd_Kph_u9p7[5]	19328		
t_RtrnFWVehSpd_Kph_u9p7[6]	27008		
t_RtrnFWVehSpd_Kph_u9p7[7]	32640		
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	0		
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	50		
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	2		
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	-8.80000019		
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	7		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDe	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	2.54980469	2.54980469 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

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Test Step 2.7 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	-12800

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Name	Input Value		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	-12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	-10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	-8192		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	-7168		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	-4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	-2048		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	2048		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	3072		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	5120		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	7168		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	8192		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	14336		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	16384		
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	-8000		
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	-6400		
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	-5680		
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	-4000		
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	-2000		
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	-1584		
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	-1200		
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	-960		
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	-880		
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	-800		
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	-672		
t_RtrnFWVehSpd_Kph_u9p7[0]	128		
t_RtrnFWVehSpd_Kph_u9p7[1]	1408		
t_RtrnFWVehSpd_Kph_u9p7[2]	7808		
t_RtrnFWVehSpd_Kph_u9p7[3]	9728		
t_RtrnFWVehSpd_Kph_u9p7[4]	14208		
t_RtrnFWVehSpd_Kph_u9p7[5]	20608		
t_RtrnFWVehSpd_Kph_u9p7[6]	20736		
t_RtrnFWVehSpd_Kph_u9p7[7]	21248		
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	0		
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	70		
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	1		
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	8.80000019		
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	54		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	0.259765625	0.259765625 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

Test Step 2.8 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][5]	-12288

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Name	Input Value
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	2048

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Name	Input Value		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	5120		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	7168		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	14336		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	16384		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	17408		
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	-10848		
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	-10656		
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	-9072		
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	-9024		
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	-8688		
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	-7104		
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	-5696		
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	-5520		
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	-3744		
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	-3744		
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	-3408		
t_RtrnFWVehSpd_Kph_u9p7[0]	128		
t_RtrnFWVehSpd_Kph_u9p7[1]	1408		
t_RtrnFWVehSpd_Kph_u9p7[2]	10368		
t_RtrnFWVehSpd_Kph_u9p7[3]	9984		
t_RtrnFWVehSpd_Kph_u9p7[4]	14208		
t_RtrnFWVehSpd_Kph_u9p7[5]	23168		
t_RtrnFWVehSpd_Kph_u9p7[6]	24448		
t_RtrnFWVehSpd_Kph_u9p7[7]	25344		
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	0		
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	100.800003		
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	1		
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	0		
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	32.2999992		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

Test Step 2.9 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][3]	-12800

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Name	Input Value
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	-2048

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Name	Input Value		
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	160		
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	320		
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	480		
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	640		
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	800		
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	960		
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	1120		
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	1280		
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	1440		
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	1600		
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	1760		
t_RtrnFWVehSpd_Kph_u9p7[0]	128		
t_RtrnFWVehSpd_Kph_u9p7[1]	2688		
t_RtrnFWVehSpd_Kph_u9p7[2]	6528		
t_RtrnFWVehSpd_Kph_u9p7[3]	9600		
t_RtrnFWVehSpd_Kph_u9p7[4]	14208		
t_RtrnFWVehSpd_Kph_u9p7[5]	19328		
t_RtrnFWVehSpd_Kph_u9p7[6]	27008		
t_RtrnFWVehSpd_Kph_u9p7[7]	32640		
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	0		
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	120.349998		
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	2		
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	3.5		
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	12.6999998		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	2.73730469	2.73730469 ± 0.00048828125	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

Test Step 2.10 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][3]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][4]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][5]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][6]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][7]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][8]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][9]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][10]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][1]	2048

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Name	Input Value
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	-2048
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	176
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	352
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	528
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	704
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	880
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	1056
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	1232
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	1408
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	1584

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Name	Input Value		
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	1616		
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	1952		
t_RtrnFWVehSpd_Kph_u9p7[0]	256		
t_RtrnFWVehSpd_Kph_u9p7[1]	2816		
t_RtrnFWVehSpd_Kph_u9p7[2]	6656		
t_RtrnFWVehSpd_Kph_u9p7[3]	9600		
t_RtrnFWVehSpd_Kph_u9p7[4]	28416		
t_RtrnFWVehSpd_Kph_u9p7[5]	32000		
t_RtrnFWVehSpd_Kph_u9p7[6]	32256		
t_RtrnFWVehSpd_Kph_u9p7[7]	32640		
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	0		
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	145.5		
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	1		
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	-2.25		
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	32.5		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	5.52490234	5.52490234 ± 0.00048828125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

Test Step 2.11 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][10]	-2048

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ReturnFirewall_Per1

Name	Input Value
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	16384
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	-8000
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	-6400
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	-5680
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	-4000
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	-2000
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	-1584
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	-1200
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	-960
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	-880
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	-800
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	-672
t_RtrnFWVehSpd_Kph_u9p7[0]	0
t_RtrnFWVehSpd_Kph_u9p7[1]	2560
t_RtrnFWVehSpd_Kph_u9p7[2]	6400
t_RtrnFWVehSpd_Kph_u9p7[3]	9600
t_RtrnFWVehSpd_Kph_u9p7[4]	12800
t_RtrnFWVehSpd_Kph_u9p7[5]	19200
t_RtrnFWVehSpd_Kph_u9p7[6]	25600

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Name	Input Value		
t_RtnFWVehSpd_Kph_u9p7[7]	32640		
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	0		
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	169		
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	1		
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	1.20000005		
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	0		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	-1	-1 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

Test Step 2.12 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtnFWUpBoundY_MtrNm_s4p11[0][0]	-17408
t2_RtnFWUpBoundY_MtrNm_s4p11[0][1]	-16384
t2_RtnFWUpBoundY_MtrNm_s4p11[0][2]	-15360
t2_RtnFWUpBoundY_MtrNm_s4p11[0][3]	-14336
t2_RtnFWUpBoundY_MtrNm_s4p11[0][4]	-13312
t2_RtnFWUpBoundY_MtrNm_s4p11[0][5]	-12288
t2_RtnFWUpBoundY_MtrNm_s4p11[0][6]	-10240
t2_RtnFWUpBoundY_MtrNm_s4p11[0][7]	-8192
t2_RtnFWUpBoundY_MtrNm_s4p11[0][8]	-6144
t2_RtnFWUpBoundY_MtrNm_s4p11[0][9]	-4096
t2_RtnFWUpBoundY_MtrNm_s4p11[0][10]	-2048
t2_RtnFWUpBoundY_MtrNm_s4p11[1][0]	0
t2_RtnFWUpBoundY_MtrNm_s4p11[1][1]	2048
t2_RtnFWUpBoundY_MtrNm_s4p11[1][2]	4096
t2_RtnFWUpBoundY_MtrNm_s4p11[1][3]	5120
t2_RtnFWUpBoundY_MtrNm_s4p11[1][4]	6144
t2_RtnFWUpBoundY_MtrNm_s4p11[1][5]	7168
t2_RtnFWUpBoundY_MtrNm_s4p11[1][6]	10240
t2_RtnFWUpBoundY_MtrNm_s4p11[1][7]	12288
t2_RtnFWUpBoundY_MtrNm_s4p11[1][8]	14336
t2_RtnFWUpBoundY_MtrNm_s4p11[1][9]	16384
t2_RtnFWUpBoundY_MtrNm_s4p11[1][10]	17408
t2_RtnFWUpBoundY_MtrNm_s4p11[2][0]	-17408
t2_RtnFWUpBoundY_MtrNm_s4p11[2][1]	-16384
t2_RtnFWUpBoundY_MtrNm_s4p11[2][2]	-15360
t2_RtnFWUpBoundY_MtrNm_s4p11[2][3]	-14336
t2_RtnFWUpBoundY_MtrNm_s4p11[2][4]	-13312
t2_RtnFWUpBoundY_MtrNm_s4p11[2][5]	-12288
t2_RtnFWUpBoundY_MtrNm_s4p11[2][6]	-10240
t2_RtnFWUpBoundY_MtrNm_s4p11[2][7]	-8192
t2_RtnFWUpBoundY_MtrNm_s4p11[2][8]	-6144
t2_RtnFWUpBoundY_MtrNm_s4p11[2][9]	-4096
t2_RtnFWUpBoundY_MtrNm_s4p11[2][10]	-2048
t2_RtnFWUpBoundY_MtrNm_s4p11[3][0]	0
t2_RtnFWUpBoundY_MtrNm_s4p11[3][1]	2048
t2_RtnFWUpBoundY_MtrNm_s4p11[3][2]	4096
t2_RtnFWUpBoundY_MtrNm_s4p11[3][3]	5120
t2_RtnFWUpBoundY_MtrNm_s4p11[3][4]	6144
t2_RtnFWUpBoundY_MtrNm_s4p11[3][5]	7168
t2_RtnFWUpBoundY_MtrNm_s4p11[3][6]	10240
t2_RtnFWUpBoundY_MtrNm_s4p11[3][7]	12288
t2_RtnFWUpBoundY_MtrNm_s4p11[3][8]	14336

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Name	Input Value
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	17408
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	-10848
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	-10656
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	-9072
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	-9024
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	-8688
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	-7104
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	-5696
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	-5520
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	-3744
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	-3744
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	-3408
t_RtrnFWVehSpd_Kph_u9p7[0]	128
t_RtrnFWVehSpd_Kph_u9p7[1]	1408
t_RtrnFWVehSpd_Kph_u9p7[2]	6528
t_RtrnFWVehSpd_Kph_u9p7[3]	9600
t_RtrnFWVehSpd_Kph_u9p7[4]	14208
t_RtrnFWVehSpd_Kph_u9p7[5]	19328
t_RtrnFWVehSpd_Kph_u9p7[6]	14208
t_RtrnFWVehSpd_Kph_u9p7[7]	19840
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	0
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	193
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	2
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	1.29999995
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	255
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32

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Name	Input Value		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	1.29999995	1.29999995 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

Test Step 2.13 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	8192

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Name	Input Value		
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	14336		
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	16384		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	-16384		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	-15360		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	-14336		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	-12800		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	-12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	-10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	-8192		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	-7168		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	-4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	-2048		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	2048		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	3072		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	5120		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	7168		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	8192		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	14336		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	16384		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	-16384		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	-15360		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	-14336		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	-12800		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	-12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	-10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	-8192		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	-7168		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	-4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	-2048		
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	160		
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	320		
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	480		
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	640		
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	800		
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	960		
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	1120		
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	1280		
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	1440		
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	1600		
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	1760		
t_RtrnFWVehSpd_Kph_u9p7[0]	128		
t_RtrnFWVehSpd_Kph_u9p7[1]	2688		
t_RtrnFWVehSpd_Kph_u9p7[2]	6528		
t_RtrnFWVehSpd_Kph_u9p7[3]	9600		
t_RtrnFWVehSpd_Kph_u9p7[4]	14208		
t_RtrnFWVehSpd_Kph_u9p7[5]	19328		
t_RtrnFWVehSpd_Kph_u9p7[6]	27008		
t_RtrnFWVehSpd_Kph_u9p7[7]	32640		
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	0		
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	505.549988		
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	0		
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	3.54999995		
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	55.5		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	3.54999995	3.54999995 ± 0.00048828125	✓

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Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

Test Step 2.14 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	-13312

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Name	Input Value		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	-12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	-10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	-8192		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	-6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	-4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	-2048		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	0		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	2048		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	5120		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	7168		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	14336		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	16384		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	17408		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	-17408		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	-16384		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	-15360		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	-14336		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	-13312		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	-12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	-10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	-8192		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	-6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	-4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	-2048		
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	176		
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	352		
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	528		
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	704		
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	880		
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	1056		
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	1232		
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	1408		
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	1584		
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	1616		
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	1952		
t_RtrnFWVehSpd_Kph_u9p7[0]	0		
t_RtrnFWVehSpd_Kph_u9p7[1]	0		
t_RtrnFWVehSpd_Kph_u9p7[2]	0		
t_RtrnFWVehSpd_Kph_u9p7[3]	0		
t_RtrnFWVehSpd_Kph_u9p7[4]	0		
t_RtrnFWVehSpd_Kph_u9p7[5]	0		
t_RtrnFWVehSpd_Kph_u9p7[6]	0		
t_RtrnFWVehSpd_Kph_u9p7[7]	0		
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	0		
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	241.5		
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	0		
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	1.70000005		
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	0		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	1.70000005	1.70000005 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

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ReturnFirewall_Per1

Test Step 2.15 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	-12800

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Name	Input Value		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	-12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	-10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	-8192		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	-7168		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	-4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	-2048		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	2048		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	3072		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	5120		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	7168		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	8192		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	14336		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	16384		
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	-10848		
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	-10656		
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	-9072		
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	-9024		
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	-8688		
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	-7104		
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	-5696		
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	-5520		
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	-3744		
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	-3680		
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	-3408		
t_RtrnFWVehSpd_Kph_u9p7[0]	65408		
t_RtrnFWVehSpd_Kph_u9p7[1]	65408		
t_RtrnFWVehSpd_Kph_u9p7[2]	65408		
t_RtrnFWVehSpd_Kph_u9p7[3]	65408		
t_RtrnFWVehSpd_Kph_u9p7[4]	65408		
t_RtrnFWVehSpd_Kph_u9p7[5]	65408		
t_RtrnFWVehSpd_Kph_u9p7[6]	65408		
t_RtrnFWVehSpd_Kph_u9p7[7]	65408		
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	0		
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	265		
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	0		
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	1.85000002		
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	67		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	-2	-2 ± 0.00048828125	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

Test Step 2.16 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][5]	-12288

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Name	Input Value
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	2048

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Name	Input Value		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	5120		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	7168		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	14336		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	16384		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	17408		
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	-10848		
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	-10656		
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	-9072		
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	-9024		
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	-8688		
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	-7104		
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	-5696		
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	-5520		
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	-3744		
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	-3680		
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	-3408		
t_RtrnFWVehSpd_Kph_u9p7[0]	0		
t_RtrnFWVehSpd_Kph_u9p7[1]	2560		
t_RtrnFWVehSpd_Kph_u9p7[2]	6400		
t_RtrnFWVehSpd_Kph_u9p7[3]	9600		
t_RtrnFWVehSpd_Kph_u9p7[4]	12800		
t_RtrnFWVehSpd_Kph_u9p7[5]	19200		
t_RtrnFWVehSpd_Kph_u9p7[6]	25600		
t_RtrnFWVehSpd_Kph_u9p7[7]	32640		
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	0		
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	289.450012		
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	0		
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	2.01999998		
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	78.1999969		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	2.01999998	2.01999998 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

Test Step 2.17 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][3]	-12800

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Name	Input Value
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	-2048

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Name	Input Value		
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	-17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	-17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	-17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	-17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	-17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	-17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	-17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	-17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	-17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	-17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	-17280		
t_RtrnFWVehSpd_Kph_u9p7[0]	0		
t_RtrnFWVehSpd_Kph_u9p7[1]	2560		
t_RtrnFWVehSpd_Kph_u9p7[2]	6400		
t_RtrnFWVehSpd_Kph_u9p7[3]	9600		
t_RtrnFWVehSpd_Kph_u9p7[4]	12800		
t_RtrnFWVehSpd_Kph_u9p7[5]	19200		
t_RtrnFWVehSpd_Kph_u9p7[6]	25600		
t_RtrnFWVehSpd_Kph_u9p7[7]	32640		
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	0		
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	313		
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	1		
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	2.19000006		
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	87		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	-2	-2 ± 0.00048828125	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

Test Step 2.18 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][3]	6120
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][4]	8144
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][5]	10168
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][6]	12240
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][7]	14288
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][8]	16336
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][9]	18384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][10]	20408
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][6]	-11264
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][7]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][8]	-9216
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][9]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][10]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][0]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][1]	-5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][2]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][3]	-3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][4]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][5]	-1024
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][6]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][7]	1024
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][8]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][9]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][10]	4096

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Name	Input Value
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	-2048
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	17280
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	17280
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	17280
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	17280
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	17280
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	17280
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	17280
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	17280
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	17280

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Name	Input Value		
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	17280		
t_RtrnFWVehSpd_Kph_u9p7[0]	1152		
t_RtrnFWVehSpd_Kph_u9p7[1]	3712		
t_RtrnFWVehSpd_Kph_u9p7[2]	7552		
t_RtrnFWVehSpd_Kph_u9p7[3]	9600		
t_RtrnFWVehSpd_Kph_u9p7[4]	17792		
t_RtrnFWVehSpd_Kph_u9p7[5]	20352		
t_RtrnFWVehSpd_Kph_u9p7[6]	30592		
t_RtrnFWVehSpd_Kph_u9p7[7]	32640		
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	0		
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	337		
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	2		
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	2.3599999		
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	54		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	-8.5	-8.5 ± 0.00048828125	✓

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

Test Step 2.19 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][10]	-2048

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Name	Input Value
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	16384
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	0
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	0
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	0
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	0
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	0
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	0
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	0
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	0
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	0
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	0
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	0
t_RtrnFWVehSpd_Kph_u9p7[0]	128
t_RtrnFWVehSpd_Kph_u9p7[1]	2688
t_RtrnFWVehSpd_Kph_u9p7[2]	6528
t_RtrnFWVehSpd_Kph_u9p7[3]	9600
t_RtrnFWVehSpd_Kph_u9p7[4]	14208
t_RtrnFWVehSpd_Kph_u9p7[5]	19328
t_RtrnFWVehSpd_Kph_u9p7[6]	27008

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Name	Input Value		
t_RtnFWVehSpd_Kph_u9p7[7]	32640		
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	0		
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	361.399994		
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	0		
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	2.52999997		
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	54.75		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	-2	-2 ± 0.00048828125	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

Test Step 2.20 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtnFWUpBoundY_MtrNm_s4p11[0][0]	-17408
t2_RtnFWUpBoundY_MtrNm_s4p11[0][1]	-16384
t2_RtnFWUpBoundY_MtrNm_s4p11[0][2]	-15360
t2_RtnFWUpBoundY_MtrNm_s4p11[0][3]	-14336
t2_RtnFWUpBoundY_MtrNm_s4p11[0][4]	-13312
t2_RtnFWUpBoundY_MtrNm_s4p11[0][5]	-12288
t2_RtnFWUpBoundY_MtrNm_s4p11[0][6]	-10240
t2_RtnFWUpBoundY_MtrNm_s4p11[0][7]	-8192
t2_RtnFWUpBoundY_MtrNm_s4p11[0][8]	-6144
t2_RtnFWUpBoundY_MtrNm_s4p11[0][9]	-4096
t2_RtnFWUpBoundY_MtrNm_s4p11[0][10]	-2048
t2_RtnFWUpBoundY_MtrNm_s4p11[1][0]	0
t2_RtnFWUpBoundY_MtrNm_s4p11[1][1]	2048
t2_RtnFWUpBoundY_MtrNm_s4p11[1][2]	4096
t2_RtnFWUpBoundY_MtrNm_s4p11[1][3]	5120
t2_RtnFWUpBoundY_MtrNm_s4p11[1][4]	6144
t2_RtnFWUpBoundY_MtrNm_s4p11[1][5]	7168
t2_RtnFWUpBoundY_MtrNm_s4p11[1][6]	10240
t2_RtnFWUpBoundY_MtrNm_s4p11[1][7]	12288
t2_RtnFWUpBoundY_MtrNm_s4p11[1][8]	14336
t2_RtnFWUpBoundY_MtrNm_s4p11[1][9]	16384
t2_RtnFWUpBoundY_MtrNm_s4p11[1][10]	17408
t2_RtnFWUpBoundY_MtrNm_s4p11[2][0]	-17408
t2_RtnFWUpBoundY_MtrNm_s4p11[2][1]	-16384
t2_RtnFWUpBoundY_MtrNm_s4p11[2][2]	-15360
t2_RtnFWUpBoundY_MtrNm_s4p11[2][3]	-14336
t2_RtnFWUpBoundY_MtrNm_s4p11[2][4]	-13312
t2_RtnFWUpBoundY_MtrNm_s4p11[2][5]	-12288
t2_RtnFWUpBoundY_MtrNm_s4p11[2][6]	-10240
t2_RtnFWUpBoundY_MtrNm_s4p11[2][7]	-8192
t2_RtnFWUpBoundY_MtrNm_s4p11[2][8]	-6144
t2_RtnFWUpBoundY_MtrNm_s4p11[2][9]	-4096
t2_RtnFWUpBoundY_MtrNm_s4p11[2][10]	-2048
t2_RtnFWUpBoundY_MtrNm_s4p11[3][0]	0
t2_RtnFWUpBoundY_MtrNm_s4p11[3][1]	2048
t2_RtnFWUpBoundY_MtrNm_s4p11[3][2]	4096
t2_RtnFWUpBoundY_MtrNm_s4p11[3][3]	5120
t2_RtnFWUpBoundY_MtrNm_s4p11[3][4]	6144
t2_RtnFWUpBoundY_MtrNm_s4p11[3][5]	7168
t2_RtnFWUpBoundY_MtrNm_s4p11[3][6]	10240
t2_RtnFWUpBoundY_MtrNm_s4p11[3][7]	12288
t2_RtnFWUpBoundY_MtrNm_s4p11[3][8]	14336

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Name	Input Value
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	17408
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	8000
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	8000
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	8000
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	8000
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	8000
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	8000
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	8000
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	8000
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	8000
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	8000
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	8000
t_RtrnFWVehSpd_Kph_u9p7[0]	256
t_RtrnFWVehSpd_Kph_u9p7[1]	2816
t_RtrnFWVehSpd_Kph_u9p7[2]	6656
t_RtrnFWVehSpd_Kph_u9p7[3]	9600
t_RtrnFWVehSpd_Kph_u9p7[4]	28416
t_RtrnFWVehSpd_Kph_u9p7[5]	32000
t_RtrnFWVehSpd_Kph_u9p7[6]	32256
t_RtrnFWVehSpd_Kph_u9p7[7]	32640
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	0
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	385.519989
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	1
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	2.72000003
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	32.8499985
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32

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Name	Input Value		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	0	0 ± 0.00048828125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

Test Step 2.21 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	8192

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ReturnFirewall_Per1

Name	Input Value		
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	14336		
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	16384		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	-16384		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	-15360		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	-14336		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	-12800		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	-12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	-10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	-8192		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	-7168		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	-4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	-2048		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	2048		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	3072		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	5120		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	7168		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	8192		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	14336		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	16384		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	-16384		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	-15360		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	-14336		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	-12800		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	-12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	-10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	-8192		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	-7168		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	-4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	-2048		
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	-8000		
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	-8000		
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	-8000		
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	-8000		
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	-8000		
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	-8000		
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	-8000		
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	-8000		
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	-8000		
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	-8000		
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	-8000		
t_RtrnFWVehSpd_Kph_u9p7[0]	0		
t_RtrnFWVehSpd_Kph_u9p7[1]	2560		
t_RtrnFWVehSpd_Kph_u9p7[2]	6400		
t_RtrnFWVehSpd_Kph_u9p7[3]	9600		
t_RtrnFWVehSpd_Kph_u9p7[4]	12800		
t_RtrnFWVehSpd_Kph_u9p7[5]	19200		
t_RtrnFWVehSpd_Kph_u9p7[6]	25600		
t_RtrnFWVehSpd_Kph_u9p7[7]	32640		
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	0		
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	409.230011		
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	2		
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	2.86999989		
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	12.5		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	2.86999989	2.86999989 ± 0.00048828125	✓

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ReturnFirewall_Per1

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

Test Step 2.22 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][0]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][1]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][2]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][3]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][4]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][5]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][6]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][7]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][8]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][9]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][10]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	-13312

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ReturnFirewall_Per1

Name	Input Value		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	-12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	-10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	-8192		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	-6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	-4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	-2048		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	0		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	2048		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	5120		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	7168		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	14336		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	16384		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	17408		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	-17408		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	-16384		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	-15360		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	-14336		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	-13312		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	-12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	-10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	-8192		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	-6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	-4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	-2048		
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	160		
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	320		
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	480		
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	640		
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	800		
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	960		
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	1120		
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	1280		
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	1440		
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	1600		
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	1760		
t_RtrnFWVehSpd_Kph_u9p7[0]	128		
t_RtrnFWVehSpd_Kph_u9p7[1]	1408		
t_RtrnFWVehSpd_Kph_u9p7[2]	6528		
t_RtrnFWVehSpd_Kph_u9p7[3]	9600		
t_RtrnFWVehSpd_Kph_u9p7[4]	14208		
t_RtrnFWVehSpd_Kph_u9p7[5]	19328		
t_RtrnFWVehSpd_Kph_u9p7[6]	19584		
t_RtrnFWVehSpd_Kph_u9p7[7]	19840		
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	0		
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	433		
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	1		
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	3.03999996		
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	12		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDe	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	-0.762695313	-0.762695313 ± 0.00048828125	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

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ReturnFirewall_Per1

Test Step 2.23 (Repeat Count = 1)



Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][0]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][1]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][2]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][3]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][4]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][5]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][6]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][7]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][8]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][9]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][10]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	-12800

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Name	Input Value		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	-12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	-10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	-8192		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	-7168		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	-4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	-2048		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	2048		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	3072		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	5120		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	7168		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	8192		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	14336		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	16384		
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	176		
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	352		
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	528		
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	704		
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	880		
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	1056		
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	1232		
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	1408		
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	1584		
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	1616		
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	1952		
t_RtrnFWVehSpd_Kph_u9p7[0]	128		
t_RtrnFWVehSpd_Kph_u9p7[1]	1408		
t_RtrnFWVehSpd_Kph_u9p7[2]	7808		
t_RtrnFWVehSpd_Kph_u9p7[3]	9728		
t_RtrnFWVehSpd_Kph_u9p7[4]	14208		
t_RtrnFWVehSpd_Kph_u9p7[5]	20608		
t_RtrnFWVehSpd_Kph_u9p7[6]	20736		
t_RtrnFWVehSpd_Kph_u9p7[7]	21248		
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	0		
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	457		
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	2		
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	3.21000004		
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	23		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	3.21000004	3.21000004 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

Test Step 2.24 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][1]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][2]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][3]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][4]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][5]	0

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Name	Input Value
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][6]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][7]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][8]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][9]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][10]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	2048

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Name	Input Value		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	5120		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	7168		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	14336		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	16384		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	17408		
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	-8000		
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	-6400		
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	-5680		
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	-4000		
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	-2000		
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	-1584		
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	-1200		
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	-960		
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	-880		
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	-800		
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	-672		
t_RtrnFWVehSpd_Kph_u9p7[0]	128		
t_RtrnFWVehSpd_Kph_u9p7[1]	1408		
t_RtrnFWVehSpd_Kph_u9p7[2]	10368		
t_RtrnFWVehSpd_Kph_u9p7[3]	9984		
t_RtrnFWVehSpd_Kph_u9p7[4]	14208		
t_RtrnFWVehSpd_Kph_u9p7[5]	23168		
t_RtrnFWVehSpd_Kph_u9p7[6]	23424		
t_RtrnFWVehSpd_Kph_u9p7[7]	24064		
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	0		
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	481.75		
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	0		
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	3.38000011		
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	44.5		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	3.92919922	3.92919922 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

Test Step 2.25 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][2]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][3]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][4]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][5]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][6]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][7]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][8]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][9]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][10]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][3]	-12800

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Name	Input Value
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	-2048

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Name	Input Value		
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	-10848		
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	-10656		
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	-9072		
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	-9024		
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	-8688		
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	-7104		
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	-5696		
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	-5520		
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	-3744		
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	-3680		
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	-3408		
t_RtrnFWVehSpd_Kph_u9p7[0]	128		
t_RtrnFWVehSpd_Kph_u9p7[1]	2688		
t_RtrnFWVehSpd_Kph_u9p7[2]	6528		
t_RtrnFWVehSpd_Kph_u9p7[3]	9600		
t_RtrnFWVehSpd_Kph_u9p7[4]	14208		
t_RtrnFWVehSpd_Kph_u9p7[5]	19328		
t_RtrnFWVehSpd_Kph_u9p7[6]	27008		
t_RtrnFWVehSpd_Kph_u9p7[7]	32640		
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	0		
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	505.25		
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	1		
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	3.54999995		
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	55.2000008		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	3.54999995	3.54999995 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

Test Step 2.26 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][0]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][1]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][2]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][3]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][4]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][5]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][6]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][7]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][8]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][1]	2048

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Name	Input Value
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	-2048
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	160
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	320
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	480
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	640
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	800
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	960
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	1120
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	1280
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	1440

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Name	Input Value		
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	1600		
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	1760		
t_RtrnFWVehSpd_Kph_u9p7[0]	256		
t_RtrnFWVehSpd_Kph_u9p7[1]	2816		
t_RtrnFWVehSpd_Kph_u9p7[2]	6656		
t_RtrnFWVehSpd_Kph_u9p7[3]	9600		
t_RtrnFWVehSpd_Kph_u9p7[4]	28416		
t_RtrnFWVehSpd_Kph_u9p7[5]	32000		
t_RtrnFWVehSpd_Kph_u9p7[6]	32256		
t_RtrnFWVehSpd_Kph_u9p7[7]	32640		
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	0		
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	529.299988		
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	2		
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	3.72000003		
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	66.5		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	2.51074219	2.51074219 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

Test Step 2.27 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][10]	17408

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Name	Input Value
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	-2048
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	176
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	352
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	528
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	704
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	880
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	1056
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	1232
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	1408
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	1584
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	1616
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	1952
t_RtrnFWVehSpd_Kph_u9p7[0]	128
t_RtrnFWVehSpd_Kph_u9p7[1]	1408
t_RtrnFWVehSpd_Kph_u9p7[2]	6528
t_RtrnFWVehSpd_Kph_u9p7[3]	9600
t_RtrnFWVehSpd_Kph_u9p7[4]	14208
t_RtrnFWVehSpd_Kph_u9p7[5]	19328
t_RtrnFWVehSpd_Kph_u9p7[6]	19584

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Name	Input Value		
t_RtnFWVehSpd_Kph_u9p7[7]	19840		
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	0		
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	50		
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	2		
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	-8.80000019		
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	7		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	5.10009766	5.10009766 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

Test Step 2.28 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtnFWUpBoundY_MtrNm_s4p11[0][0]	-16384
t2_RtnFWUpBoundY_MtrNm_s4p11[0][1]	-15360
t2_RtnFWUpBoundY_MtrNm_s4p11[0][2]	-14336
t2_RtnFWUpBoundY_MtrNm_s4p11[0][3]	-12800
t2_RtnFWUpBoundY_MtrNm_s4p11[0][4]	-12288
t2_RtnFWUpBoundY_MtrNm_s4p11[0][5]	-10240
t2_RtnFWUpBoundY_MtrNm_s4p11[0][6]	-8192
t2_RtnFWUpBoundY_MtrNm_s4p11[0][7]	-7168
t2_RtnFWUpBoundY_MtrNm_s4p11[0][8]	6144
t2_RtnFWUpBoundY_MtrNm_s4p11[0][9]	-4096
t2_RtnFWUpBoundY_MtrNm_s4p11[0][10]	-2048
t2_RtnFWUpBoundY_MtrNm_s4p11[1][0]	2048
t2_RtnFWUpBoundY_MtrNm_s4p11[1][1]	3072
t2_RtnFWUpBoundY_MtrNm_s4p11[1][2]	4096
t2_RtnFWUpBoundY_MtrNm_s4p11[1][3]	5120
t2_RtnFWUpBoundY_MtrNm_s4p11[1][4]	6144
t2_RtnFWUpBoundY_MtrNm_s4p11[1][5]	7168
t2_RtnFWUpBoundY_MtrNm_s4p11[1][6]	8192
t2_RtnFWUpBoundY_MtrNm_s4p11[1][7]	10240
t2_RtnFWUpBoundY_MtrNm_s4p11[1][8]	12288
t2_RtnFWUpBoundY_MtrNm_s4p11[1][9]	14336
t2_RtnFWUpBoundY_MtrNm_s4p11[1][10]	16384
t2_RtnFWUpBoundY_MtrNm_s4p11[2][0]	-16384
t2_RtnFWUpBoundY_MtrNm_s4p11[2][1]	-15360
t2_RtnFWUpBoundY_MtrNm_s4p11[2][2]	-14336
t2_RtnFWUpBoundY_MtrNm_s4p11[2][3]	-12800
t2_RtnFWUpBoundY_MtrNm_s4p11[2][4]	-12288
t2_RtnFWUpBoundY_MtrNm_s4p11[2][5]	-10240
t2_RtnFWUpBoundY_MtrNm_s4p11[2][6]	-8192
t2_RtnFWUpBoundY_MtrNm_s4p11[2][7]	-7168
t2_RtnFWUpBoundY_MtrNm_s4p11[2][8]	6144
t2_RtnFWUpBoundY_MtrNm_s4p11[2][9]	-4096
t2_RtnFWUpBoundY_MtrNm_s4p11[2][10]	-2048
t2_RtnFWUpBoundY_MtrNm_s4p11[3][0]	2048
t2_RtnFWUpBoundY_MtrNm_s4p11[3][1]	3072
t2_RtnFWUpBoundY_MtrNm_s4p11[3][2]	4096
t2_RtnFWUpBoundY_MtrNm_s4p11[3][3]	5120
t2_RtnFWUpBoundY_MtrNm_s4p11[3][4]	6144
t2_RtnFWUpBoundY_MtrNm_s4p11[3][5]	7168
t2_RtnFWUpBoundY_MtrNm_s4p11[3][6]	8192
t2_RtnFWUpBoundY_MtrNm_s4p11[3][7]	10240
t2_RtnFWUpBoundY_MtrNm_s4p11[3][8]	12288

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Name	Input Value
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	16384
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	-8000
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	-6400
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	-5680
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	-4000
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	-2000
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	-1584
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	-1200
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	-960
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	-880
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	-800
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	-672
t_RtrnFWVehSpd_Kph_u9p7[0]	128
t_RtrnFWVehSpd_Kph_u9p7[1]	1408
t_RtrnFWVehSpd_Kph_u9p7[2]	7808
t_RtrnFWVehSpd_Kph_u9p7[3]	9728
t_RtrnFWVehSpd_Kph_u9p7[4]	14208
t_RtrnFWVehSpd_Kph_u9p7[5]	20608
t_RtrnFWVehSpd_Kph_u9p7[6]	20736
t_RtrnFWVehSpd_Kph_u9p7[7]	21248
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	1
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	70
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	0
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	8.80000019
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	54
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32

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Name	Input Value		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	0.259765625	0.259765625 ± 0.00048828125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

Test Step 2.29 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	-10240

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Name	Input Value		
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	-8192		
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	-6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	-4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	-2048		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	0		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	2048		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	5120		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	7168		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	14336		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	16384		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	17408		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	-17408		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	-16384		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	-15360		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	-14336		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	-13312		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	-12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	-10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	-8192		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	-6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	-4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	-2048		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	0		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	2048		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	5120		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	7168		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	14336		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	16384		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	17408		
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	-10848		
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	-10656		
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	-9072		
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	-9024		
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	-8688		
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	-7104		
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	-5696		
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	-5520		
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	-3744		
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	-3744		
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	-3408		
t_RtrnFWVehSpd_Kph_u9p7[0]	128		
t_RtrnFWVehSpd_Kph_u9p7[1]	1408		
t_RtrnFWVehSpd_Kph_u9p7[2]	10368		
t_RtrnFWVehSpd_Kph_u9p7[3]	9984		
t_RtrnFWVehSpd_Kph_u9p7[4]	14208		
t_RtrnFWVehSpd_Kph_u9p7[5]	23168		
t_RtrnFWVehSpd_Kph_u9p7[6]	23424		
t_RtrnFWVehSpd_Kph_u9p7[7]	24064		
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	0		
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	100		
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	0		
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	0		
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	0	0 ± 0.00048828125	✓

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ReturnFirewall_Per1

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

Test Step 2.30 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	-12288

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Name	Input Value		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	-10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	-8192		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	-7168		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	-4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	-2048		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	2048		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	3072		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	5120		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	7168		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	8192		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	14336		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	16384		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	-16384		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	-15360		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	-14336		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	-12800		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	-12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	-10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	-8192		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	-7168		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	-4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	-2048		
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	160		
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	320		
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	480		
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	640		
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	800		
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	960		
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	1120		
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	1280		
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	1440		
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	1600		
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	1760		
t_RtrnFWVehSpd_Kph_u9p7[0]	128		
t_RtrnFWVehSpd_Kph_u9p7[1]	2688		
t_RtrnFWVehSpd_Kph_u9p7[2]	6528		
t_RtrnFWVehSpd_Kph_u9p7[3]	9600		
t_RtrnFWVehSpd_Kph_u9p7[4]	14208		
t_RtrnFWVehSpd_Kph_u9p7[5]	19328		
t_RtrnFWVehSpd_Kph_u9p7[6]	27008		
t_RtrnFWVehSpd_Kph_u9p7[7]	32640		
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	0		
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	120		
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	2		
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	3		
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	12		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDe	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	3.95019531	3.95019531 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

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ReturnFirewall_Per1

Test Step 2.31 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	5120

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Name	Input Value		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	7168		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	14336		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	16384		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	17408		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	-17408		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	-16384		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	-15360		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	-14336		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	-13312		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	-12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	-10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	-8192		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	-6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	-4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	-2048		
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	176		
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	352		
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	528		
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	704		
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	880		
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	1056		
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	1232		
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	1408		
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	1584		
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	1616		
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	1952		
t_RtrnFWVehSpd_Kph_u9p7[0]	256		
t_RtrnFWVehSpd_Kph_u9p7[1]	2816		
t_RtrnFWVehSpd_Kph_u9p7[2]	6656		
t_RtrnFWVehSpd_Kph_u9p7[3]	9600		
t_RtrnFWVehSpd_Kph_u9p7[4]	28416		
t_RtrnFWVehSpd_Kph_u9p7[5]	32000		
t_RtrnFWVehSpd_Kph_u9p7[6]	32256		
t_RtrnFWVehSpd_Kph_u9p7[7]	32640		
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	0		
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	145.5		
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	1		
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	-2.25		
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	32.25		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	5.59570313	5.59570313 ± 0.00048828125	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

Test Step 2.32 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][0]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][1]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][2]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][3]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][4]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][5]	-18022

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ReturnFirewall_Per1

Name	Input Value
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][6]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][7]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][8]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][9]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][10]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][0]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][1]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][2]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][3]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][4]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][5]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][6]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][7]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][8]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][9]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][10]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][0]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][1]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][2]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][3]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][4]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][5]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][6]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][7]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][8]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][9]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][10]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][0]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][1]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][2]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][3]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][4]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][5]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][6]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][7]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][8]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	-18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	-18022

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Name	Input Value		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	-18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	-18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	-18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	-18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	-18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	-18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	-18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	-18022		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	-18022		
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	-17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	-17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	-17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	-17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	-17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	-17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	-17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	-17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	-17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	-17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	-17280		
t_RtrnFWVehSpd_Kph_u9p7[0]	0		
t_RtrnFWVehSpd_Kph_u9p7[1]	0		
t_RtrnFWVehSpd_Kph_u9p7[2]	0		
t_RtrnFWVehSpd_Kph_u9p7[3]	0		
t_RtrnFWVehSpd_Kph_u9p7[4]	0		
t_RtrnFWVehSpd_Kph_u9p7[5]	0		
t_RtrnFWVehSpd_Kph_u9p7[6]	0		
t_RtrnFWVehSpd_Kph_u9p7[7]	0		
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	0		
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	-900		
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	0		
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	-8.80000019		
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	0		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	8.79980469	8.79980469 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

Test Step 2.33 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][0]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][1]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][2]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][3]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][4]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][5]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][6]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][7]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][8]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][9]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][10]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][0]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][1]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][2]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][3]	18022

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Name	Input Value
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][4]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][5]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][6]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][7]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][8]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][9]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][10]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][0]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][1]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][2]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][3]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][4]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][5]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][6]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][7]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][8]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][9]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][10]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][0]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][1]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][2]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][3]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][4]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][5]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][6]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][7]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][8]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	18022

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Name	Input Value		
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	17280		
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	17280		
t_RtrnFWVehSpd_Kph_u9p7[0]	65408		
t_RtrnFWVehSpd_Kph_u9p7[1]	65408		
t_RtrnFWVehSpd_Kph_u9p7[2]	65408		
t_RtrnFWVehSpd_Kph_u9p7[3]	65408		
t_RtrnFWVehSpd_Kph_u9p7[4]	65408		
t_RtrnFWVehSpd_Kph_u9p7[5]	65408		
t_RtrnFWVehSpd_Kph_u9p7[6]	65408		
t_RtrnFWVehSpd_Kph_u9p7[7]	65408		
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	1		
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	900		
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	2		
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	8.80000019		
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	255		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

Test Case 3: Path Test

Specification	<p>Performance Metrics: (With "None" Instrumentation and "WithPS" Environment)</p> <p>CPU Cycles:</p> <p>TS3.1 1315.00 Cycles TS3.2 1334.00 Cycles TS3.3 1351.00 Cycles TS3.4 1409.00 Cycles TS3.5 794.00 Cycles</p>
Description	<p>Vector Description:</p> <p>TS3.1"((DefeatReturnSvc_Cnt_T_lgc != D_FALSE_CNT_LGC) && (MECCounter_Cnt_T_enum != ProductionMode)) = False LimitedReturn_MtrNm_T_f32 = Limit_m(ReturnCmd_MtrNm_T_f32, LwrBound_MtrNm_T_f32, UpBound_MtrNm_T_f32)=True (Abs_f32_m(ReturnCmd_MtrNm_T_f32 - LimitedReturn_MtrNm_T_f32) > FLT_EPSILON)= True</p> <p>TS3.2"((DefeatReturnSvc_Cnt_T_lgc != D_FALSE_CNT_LGC) && (MECCounter_Cnt_T_enum != ProductionMode)) = False LimitedReturn_MtrNm_T_f32 = Limit_m(ReturnCmd_MtrNm_T_f32, LwrBound_MtrNm_T_f32, UpBound_MtrNm_T_f32)=False (Abs_f32_m(ReturnCmd_MtrNm_T_f32 - LimitedReturn_MtrNm_T_f32) > FLT_EPSILON)= True"</p> <p>TS3.3"((DefeatReturnSvc_Cnt_T_lgc != D_FALSE_CNT_LGC) && (MECCounter_Cnt_T_enum != ProductionMode)) = False LimitedReturn_MtrNm_T_f32 = Limit_m(ReturnCmd_MtrNm_T_f32, LwrBound_MtrNm_T_f32, UpBound_MtrNm_T_f32)=False (Abs_f32_m(ReturnCmd_MtrNm_T_f32 - LimitedReturn_MtrNm_T_f32) > FLT_EPSILON)= False"</p> <p>TS3.4"((DefeatReturnSvc_Cnt_T_lgc != D_FALSE_CNT_LGC) && (MECCounter_Cnt_T_enum != ProductionMode)) = False LimitedReturn_MtrNm_T_f32 = Limit_m(ReturnCmd_MtrNm_T_f32, LwrBound_MtrNm_T_f32, UpBound_MtrNm_T_f32)=False (Abs_f32_m(ReturnCmd_MtrNm_T_f32 - LimitedReturn_MtrNm_T_f32) > FLT_EPSILON)= True"</p> <p>TS3.5"((DefeatReturnSvc_Cnt_T_lgc != D_FALSE_CNT_LGC) && (MECCounter_Cnt_T_enum != ProductionMode))=True</p>

Test Step 3.1 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][0]	2048

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Name	Input Value
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	10240

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Name	Input Value		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	14336		
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	16384		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	-16384		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	-15360		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	-14336		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	-12800		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	-12288		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	-10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	-8192		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	-7168		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	-4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	-2048		
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	160		
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	320		
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	480		
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	640		
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	800		
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	960		
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	1120		
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	1280		
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	1440		
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	1600		
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	1760		
t_RtrnFWVehSpd_Kph_u9p7[0]	0		
t_RtrnFWVehSpd_Kph_u9p7[1]	2560		
t_RtrnFWVehSpd_Kph_u9p7[2]	6400		
t_RtrnFWVehSpd_Kph_u9p7[3]	9600		
t_RtrnFWVehSpd_Kph_u9p7[4]	12800		
t_RtrnFWVehSpd_Kph_u9p7[5]	19200		
t_RtrnFWVehSpd_Kph_u9p7[6]	25600		
t_RtrnFWVehSpd_Kph_u9p7[7]	32640		
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	0		
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	-900		
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	1		
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	-1		
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	12		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	-4.39990234	-4.39990234 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

Test Step 3.2 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][9]	16384

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Name	Input Value
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	-6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	0
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	-17408
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	-13312
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	-12288

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Name	Input Value		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	-10240		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	-8192		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	-6144		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	-4096		
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	-2048		
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	176		
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	352		
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	528		
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	704		
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	880		
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	1056		
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	1232		
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	1408		
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	1584		
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	1760		
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	3520		
t_RtrnFWVehSpd_Kph_u9p7[0]	1152		
t_RtrnFWVehSpd_Kph_u9p7[1]	3712		
t_RtrnFWVehSpd_Kph_u9p7[2]	7552		
t_RtrnFWVehSpd_Kph_u9p7[3]	9600		
t_RtrnFWVehSpd_Kph_u9p7[4]	25472		
t_RtrnFWVehSpd_Kph_u9p7[5]	20352		
t_RtrnFWVehSpd_Kph_u9p7[6]	32640		
t_RtrnFWVehSpd_Kph_u9p7[7]	38272		
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	0		
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	900		
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	2		
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	-0.200000003		
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDe	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	7.64990234	7.64990234 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

Test Step 3.3 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][7]	10240

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Name	Input Value
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	16384
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	-8000
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	-1968
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	-1600
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	-1424

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Name	Input Value		
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	-1248		
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	-1072		
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	-896		
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	-720		
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	-544		
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	-368		
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	-192		
t_RtrnFWVehSpd_Kph_u9p7[0]	128		
t_RtrnFWVehSpd_Kph_u9p7[1]	2688		
t_RtrnFWVehSpd_Kph_u9p7[2]	6528		
t_RtrnFWVehSpd_Kph_u9p7[3]	9600		
t_RtrnFWVehSpd_Kph_u9p7[4]	14208		
t_RtrnFWVehSpd_Kph_u9p7[5]	19328		
t_RtrnFWVehSpd_Kph_u9p7[6]	27008		
t_RtrnFWVehSpd_Kph_u9p7[7]	32640		
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	0		
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	0		
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	0		
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	-0.5		
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	31.5		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDe	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	-0.5	-0.5 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

Test Step 3.4 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][5]	-10240

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Name	Input Value
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	-16384
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	-15360
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	-14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	-12800
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	-12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	-10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	-8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	-7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	-4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	-2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	2048
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	3072
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	4096
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	5120
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	6144
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	7168
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	8192
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	10240
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	12288
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	14336
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	16384
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	-8000
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	-6400
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	-5680
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	-4000
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	-2000
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	-1584
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	-1200
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	-960
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	-880
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	-800
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	-672
t_RtrnFWVehSpd_Kph_u9p7[0]	128
t_RtrnFWVehSpd_Kph_u9p7[1]	1408

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Name	Input Value		
t_RtrnFWVehSpd_Kph_u9p7[2]	7808		
t_RtrnFWVehSpd_Kph_u9p7[3]	9728		
t_RtrnFWVehSpd_Kph_u9p7[4]	14208		
t_RtrnFWVehSpd_Kph_u9p7[5]	20608		
t_RtrnFWVehSpd_Kph_u9p7[6]	20736		
t_RtrnFWVehSpd_Kph_u9p7[7]	21248		
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	1		
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	70		
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	0		
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	8.80000019		
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	54		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	0.259765625	0.259765625 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓
BilinearXYM_s16_s16Xs16YM_Cnt	2	BilinearXYM_s16_s16Xs16YM_Cnt	2	✓
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓

Test Step 3.5 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_ReturnFirewall	target_Rte_Inst_Ap_ReturnFirewall
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][0]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][1]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][2]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][3]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][4]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][5]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][6]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][7]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][8]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][9]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[0][10]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][0]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][1]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][2]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][3]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][4]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][5]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][6]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][7]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][8]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][9]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[1][10]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][0]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][1]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][2]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][3]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][4]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][5]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][6]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][7]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][8]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][9]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[2][10]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][0]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][1]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][2]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][3]	18022

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Name	Input Value
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][4]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][5]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][6]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][7]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][8]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][9]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[3][10]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][0]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][1]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][2]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][3]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][4]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][5]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][6]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][7]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][8]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][9]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[4][10]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][0]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][1]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][2]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][3]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][4]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][5]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][6]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][7]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][8]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][9]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[5][10]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][0]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][1]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][2]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][3]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][4]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][5]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][6]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][7]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][8]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][9]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[6][10]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][0]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][1]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][2]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][3]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][4]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][5]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][6]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][7]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][8]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][9]	18022
t2_RtrnFWUpBoundY_MtrNm_s4p11[7][10]	18022
t_RtrnFWUpBoundX_HwDeg_s11p4[0]	17280
t_RtrnFWUpBoundX_HwDeg_s11p4[1]	17280
t_RtrnFWUpBoundX_HwDeg_s11p4[2]	17280
t_RtrnFWUpBoundX_HwDeg_s11p4[3]	17280
t_RtrnFWUpBoundX_HwDeg_s11p4[4]	17280
t_RtrnFWUpBoundX_HwDeg_s11p4[5]	17280
t_RtrnFWUpBoundX_HwDeg_s11p4[6]	17280
t_RtrnFWUpBoundX_HwDeg_s11p4[7]	17280
t_RtrnFWUpBoundX_HwDeg_s11p4[8]	17280
t_RtrnFWUpBoundX_HwDeg_s11p4[9]	17280
t_RtrnFWUpBoundX_HwDeg_s11p4[10]	17280
t_RtrnFWVehSpd_Kph_u9p7[0]	65408
t_RtrnFWVehSpd_Kph_u9p7[1]	65408
t_RtrnFWVehSpd_Kph_u9p7[2]	65408
t_RtrnFWVehSpd_Kph_u9p7[3]	65408
t_RtrnFWVehSpd_Kph_u9p7[4]	65408
t_RtrnFWVehSpd_Kph_u9p7[5]	65408
t_RtrnFWVehSpd_Kph_u9p7[6]	65408
t_RtrnFWVehSpd_Kph_u9p7[7]	65408
target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_lgc.value	1
target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32.value	900
target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum.value	2

TEST DETAILS REPORT

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ReturnFirewall_Per1

Name	Input Value		
target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32.value	8.80000019		
target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32.value	255		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_Igc	target_ReturnFirewall_Per1_Defeat_Return_Svc_Cnt_Igc		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32	target_ReturnFirewall_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_LimitedReturn_MtrNm_f32	target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_MEC_Counter_Cnt_enum	target_ReturnFirewall_Per1_MEC_Counter_Cnt_enum		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_ReturnCmd_MtrNm_f32	target_ReturnFirewall_Per1_ReturnCmd_MtrNm_f32		
target_Rte_Inst_Ap_ReturnFirewall.ReturnFirewall_Per1_VehicleSpeed_Kph_f32	target_ReturnFirewall_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	199	199	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
target_ReturnFirewall_Per1_LimitedReturn_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✔

Test Step Call Trace					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP0_CheckpointReached	1	✓	
Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_ReturnFirewall_NxtrDiagMgr_SetNTCStatus	1	✓	
Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	Rte_Call_ReturnFirewall_Per1_CP1_CheckpointReached	1	✓	