

TEST DETAILS REPORT

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is_value_in_range

Project	IAR_ARM_CSpy_NXPS32K144_Sim
Module	range
Test Object	is_value_in_range

Metrics

Cyclomatic complexity (CC)	3
Test case to complexity ratio (TC/C)	3.3
Result significance (RS)	✓

Statistics

Total Testcases	10
Successful	8
Failed	2
Not Executed	0

Module Properties

Project Root Directory	D:\TESSY_Projekte\V41\IAR_ARM_CSpy_NXPS32K144_Sim
Configuration File	\$(PROJECTROOT)\tessy\config\configuration.xml
Target Environment	IAR ARM V5 IAR C-SPY (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	\$(PROJECTROOT)\src\is_val_in_range.c
	Revision: 1

Attributes	
Name	Value
CPU	Cortex-M4
Enable C-SPY Bat	true
Endianness	little
InitObjDir	
InitSrcDir	
Linker File	\$(PROJECTROOT)\tessy\config\S32K144.icf
Project File	\$(PROJECTROOT)\tessy\config\ts_slave.ewp
Setup File	\$(PROJECTROOT)\tessy\config\ts_slave.ewd

Usercode**Declarations**

```
/*  
 * This is a declaration.  
 */
```

Definitions

```
/*  
 * This is a definition.  
 */
```

Test Object Prolog

```
/* Testobject Prolog */
```

Test Object Epilog

```
/* Testobject Epilog */
```

Test Case 1: Simple ✓

Specification

- Range Start:Positive
- Range Length:Positive
- Position:Inside
 - Position in Range:Middle

Description The normal combinations using positive numbers for range and position. The normal combinations using positive numbers for range and position 2. The normal combinations using positive numbers for range and position 3. The normal combinations using positive numbers for range and position 4.

Comment This
is
Ä¶
comment.

Prolog /* Testcase Prolog 1 */

Epilog /* Testcase Epilog 1 */

Test Case 2 ✓

Specification

- Range Start:Positive
- Range Length:Positive
- Position:Outside
 - Where ? :Above

Test Case 3 ✓

Specification

- Range Start:Zero
- Range Length:Positive
- Position:Inside
 - Position in Range:Upper Border

Test Case 4 ✓

Specification

- Range Start:Negative
- Range Length:Positive
- Position:Inside
 - Position in Range:Lower Border

Test Case 5: Length=0 ✓

Specification

- Range Start:Positive
- Range Length:Zero
- Position:Outside
 - Where ? :Above

Description Special case: Length of range equals zero.

Test Case 6 ✓

Specification

- Range Start:Zero
- Range Length:Zero
- Position:Outside
 - Where ? :Below

Test Case 7 ✓

Specification

- Range Start:Negative
- Range Length:Zero
- Position:Inside
 - Position in Range:Middle

Test Case 8: Special

- Specification**
- Range Start:Positive
 - Range Length:Negative
 - Position:Inside
 - Position in Range:Middle

Description More sophisticated tests.

Test Case 9

- Specification**
- Range Start:Negative
 - Range Length:Negative
 - Position:Inside
 - Position in Range:Upper Border

Test Case 10

- Specification**
- Range Start:Zero
 - Range Length:Negative
 - Position:Outside
 - Where ? :Above