Coverage Report for Project_v2

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Analysis Information

Coverage Data Information

Collected in version	(R2022a)

Model Information

Model version	1.16
Author	AAMIR
Last saved	Sat Mar 26 16:36:35 2022

Simulation Optimization Options

Default parameter behavior	tunable
Block reduction	forced off
Conditional branch optimization	on

Coverage Options

Analyzed model	Project_v2
Logic block short circuiting	off

Tests

Test	Started execution	Ended execution
Run 1	26-Mar-2022 17:11:12	26-Mar-2022 17:11:14

Summary

Model Hierarchy/Complexity		Run 1			
		Decision		TBL	Execution
1. Project_v2	8	50%		NA	100%

Details

1. Model "Project_v2"

Child Systems: [Subsystem](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	1	8
Decision	NA	50% (7/14) decision outcomes
Lookup Table	NA	NA
Execution	NA	100% (14/14) objective outcomes

Saturate block "[Saturation](#)"

[Justify or Exclude](#)

Parent: [/Project_v2](#)

Uncovered Links: ➡

Metric	Coverage
Cyclomatic Complexity	2
Decision	50% (2/4) decision outcomes
Execution	100% (1/1) objective outcomes

Decisions analyzed

input >= lower limit	50%
false	0/2
true	2/2
input > upper limit	50%
false	2/2
true	0/2

Switch block "[Switch](#)"

[Justify or Exclude](#)

Parent: [/Project_v2](#)

Uncovered Links: ⬅ ➡

Metric	Coverage

Cyclomatic Complexity	1
Decision	50% (1/2) decision outcomes
Execution	100% (1/1) objective outcomes

Decisions analyzed

trigger > threshold	50%
false (output is from 3rd input port)	2/2
true (output is from 1st input port)	0/2 ▦

Full Coverage

Model Object	Metric
Constant block "Constant"	Execution
Constant block "Constant1"	Execution
Constant block "Constant2"	Execution
Constant block "Constant3"	Execution

2. SubSystem block "Subsystem"

Justify or Exclude

Parent:	/Project_v2
Child Systems:	Compare To Constant2, Compare To Constant4

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	4
Decision	NA	50% (4/8) decision outcomes
Execution	NA	100% (8/8) objective outcomes

Saturate block "Saturation"

Justify or Exclude

Parent:	Project_v2/Subsystem
Uncovered Links:	⬅➡

Metric	Coverage
Cyclomatic Complexity	2
Decision	50% (2/4) decision outcomes
Execution	100% (1/1) objective outcomes

Decisions analyzed

input >= lower limit	50%
false	0/2

true	2/2
input > upper limit	50%
false	2/2
true	0/2

Switch block "Switch1"

Justify or Exclude

Parent: Project_v2/Subsystem
Uncovered Links: ◀ ▶

Metric	**Coverage**
Cyclomatic Complexity	1
Decision	50% (1/2) decision outcomes
Execution	100% (1/1) objective outcomes

Decisions analyzed

logical trigger input	50%
false (output is from 3rd input port)	0/2
true (output is from 1st input port)	2/2

Switch block "Switch3"

Justify or Exclude

Parent: Project_v2/Subsystem
Uncovered Links: ◀

Metric	**Coverage**
Cyclomatic Complexity	1
Decision	50% (1/2) decision outcomes
Execution	100% (1/1) objective outcomes

Decisions analyzed

logical trigger input	50%
false (output is from 3rd input port)	2/2
true (output is from 1st input port)	0/2

Full Coverage

Model Object	Metric
Constant block "Constant"	Execution
Constant block "High Speed"	Execution
Constant block "Right Indicator"	Execution

3. SubSystem block "Compare To Constant2"

Justify or Exclude

Parent: Project_v2/Subsystem

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	0
Execution	NA	100% (1/1) objective outcomes

Full Coverage

Model Object	Metric
RelationalOperator block "Compare"	Execution

4. SubSystem block "Compare To Constant4"

Justify or Exclude

Parent: Project_v2/Subsystem

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	0
Execution	NA	100% (1/1) objective outcomes

Full Coverage

Model Object	Metric
RelationalOperator block "Compare"	Execution