

Coverage Report for ThyroidcheckupV3

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Analysis Information

Coverage Data Information

Collected in version (R2022a)

Model Information

Model version	1.10
Author	NEMALI MAHESH
Last saved	Sat Mar 26 16:42:53 2022

Simulation Optimization Options

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









Coverage Options

Analyzed model	ThyroidcheckupV3
Logic block short circuiting	off

Tests

Test	Started execution	Ended execution
Run_1	26-Mar-2022 17:25:08	26-Mar-2022 17:25:11

Summary

Model Hierarchy/Complexity		Run 1	
		Decision	Execution
1. ThyroidcheckupV3	10	50% 	100% 
2. . . . ThyroidCheckup_Subsystem	9	50% 	100% 
3. IfelseConditionSubsystem	4	50% 	100% 
4. OutputCombinedSubsystem	5	50% 	100% 

Details

1. Model "ThyroidcheckupV3"

Child Systems: [ThyroidCheckup_Subsystem](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	1	10
Decision	NA	50% (9/18) decision outcomes
Execution	NA	100% (18/18) objective outcomes

Full Coverage

Model Object	Metric
Constant block " Mode "	Execution

2. SubSystem block "[ThyroidCheckup_Subsystem](#)"

[Justify or Exclude](#)

Parent: [/ThyroidcheckupV3](#)

Child Systems: [IfelseConditionSubsystem](#), [OutputCombinedSubsystem](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	9
Decision	NA	50% (9/18) decision outcomes
Execution	NA	100% (17/17) objective outcomes

3. SubSystem block "[IfelseConditionSubsystem](#)"

[Justify or Exclude](#)

Parent: [ThyroidcheckupV3/ThyroidCheckup_Subsystem](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
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Cyclomatic Complexity	0	4
Decision	NA	50% (4/8) decision outcomes
Execution	NA	100% (6/6) objective outcomes

If block "[If](#)"





[Justify or Exclude](#)

Parent: [ThyroidcheckupV3/ThyroidCheckup_Subsystem/IfelseConditionSubsystem](#)

Uncovered Links: 

Metric	Coverage
Cyclomatic Complexity	4
Decision	50% (4/8) decision outcomes
Execution	100% (1/1) objective outcomes

Decisions analyzed

input 1 "if" condition	50%
false	57/57
true	0/57 
input 2 "elseif" condition	50%
false	57/57
true	0/57 
input 3 "elseif" condition	50%
false	57/57
true	0/57 
input 4 "elseif" condition	50%
false	57/57
true	0/57 

Full Coverage

Model Object	Metric
Constant block " Constant10 "	Execution
Constant block " Constant11 "	Execution

Constant block " Constant7 "	Execution
Constant block " Constant8 "	Execution
Constant block " Constant9 "	Execution

4. SubSystem block "[OutputCombinedSubsystem](#)"

[Justify or Exclude](#)

Parent: [ThyroidcheckupV3/ThyroidCheckup_Subsystem](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	5
Decision	NA	50% (5/10) decision outcomes
Execution	NA	100% (11/11) objective outcomes

Switch block "[Switch](#)"


[Justify or Exclude](#)

Parent: [ThyroidcheckupV3/ThyroidCheckup_Subsystem/OutputCombinedSubsystem](#)

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)	57/57
true (output is from 1st input port)	0/57 

Switch block "[Switch1](#)"

[Justify or Exclude](#)


Parent: [ThyroidcheckupV3/ThyroidCheckup_Subsystem/OutputCombinedSubsystem](#)

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)	57/57
true (output is from 1st input port)	0/57 

Switch block "[Switch2](#)"


[Justify or Exclude](#)

Parent: [ThyroidcheckupV3/ThyroidCheckup_Subsystem/OutputCombinedSubsystem](#)

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)	57/57
true (output is from 1st input port)	0/57 

Switch block "[Switch3](#)"


[Justify or Exclude](#)

Parent: [ThyroidcheckupV3/ThyroidCheckup_Subsystem/OutputCombinedSubsystem](#)

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)	57/57
true (output is from 1st input port)	0/57 

Switch block "[Switch4](#)"


[Justify or Exclude](#)

Parent: [ThyroidcheckupV3/ThyroidCheckup_Subsystem/OutputCombinedSubsystem](#)

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)	0/57 
true (output is from 1st input port)	57/57

Full Coverage

Model Object	Metric
Constant block " Constant "	Execution
Constant block " Constant1 "	Execution
Constant block " Constant2 "	Execution
Constant block " Constant3 "	Execution
Constant block " Constant4 "	Execution
Constant block " Constant5 "	Execution