Coverage Report for kidneyy

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Analysis Information

Coverage Data Information

Collected in version	(R2022a)

Model Information

Model version	1.1
Author	Dell
Last saved	Mon Apr 11 11:03:44 2022

Simulation Optimization Options

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

Coverage Options

Analyzed model	kidneyy
Logic block short circuiting	off

Tests

Test	Started execution	Ended execution
Run 1	11-Apr-2022 11:54:03	11-Apr-2022 11:54:06

Summary

Model Hierarchy/Complexity		Run 1			
		Decision		**Execution**	
1. kidneyy	6	50%	▰▰	100%	▬▬
2. . . . . Subsystem	5	50%	▰▰	100%	▬▬
3. . . . . . . Compare To Constant		NA		100%	▬▬
4. . . . . . . Compare To Constant1		NA		100%	▬▬
5. . . . . . . Compare To Constant2		NA		100%	▬▬
6. . . . . . . Compare To Constant3		NA		100%	▬▬
7. . . . . . . Compare To Constant4		NA		100%	▬▬

Details

1. Model "kidneyy"

Child Systems: Subsystem

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	1	6
Decision	NA	50% (5/10) decision outcomes
Execution	NA	100% (16/16) objective outcomes

Full Coverage

Model Object	Metric
Constant block "Constant"	Execution

2. SubSystem block "Subsystem"

Justify or Exclude

Parent: /kidneyy

Child Systems: Compare To Constant, Compare To Constant1, Compare To Constant2, Compare To Constant3, Compare To Constant4

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	5
Decision	NA	50% (5/10) decision outcomes
Execution	NA	100% (15/15) objective outcomes

Switch block "Switch"

Parent: kidneyy/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

Switch block "Switch1"

Parent: kidneyy/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

Switch block "Switch2"

Parent: kidneyy/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

Switch block "Switch3"

[Justify or Exclude](#)

Parent: [kidneyy/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 "Switch4"

[Justify or Exclude](#)

Parent: [kidneyy/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

Full Coverage

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

3. SubSystem block "Compare To Constant"

Justify or Exclude

Parent: kidneyy/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 Constant1"

Justify or Exclude

Parent: kidneyy/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

5. SubSystem block "Compare To Constant2"

Parent: kidneyy/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

6. SubSystem block "Compare To Constant3"

Parent: kidneyy/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

7. SubSystem block "Compare To Constant4"

Parent: kidneyy/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