

Coverage Report for Integrated_Model

Table of Contents

1. [Analysis Information](#)
2. [Tests](#)
3. [Summary](#)
4. [Details](#)

Analysis Information

Coverage Data Information

Collected in version (R2022a)

Model Information

Model version	1.12
Author	user
Last saved	Sat Mar 26 19:47:09 2022

Simulation Optimization Options

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

Coverage Options

Analyzed model	Integrated_Model
Logic block short circuiting	off

Blocks Eliminated from Coverage Analysis

# Model Object	Rationale
Integrated_Model/Subsystem2/Subsystem1/Glucometer/Subsystem/Switch1	It might not be executed because of Conditional input branch optimization
Integrated_Model/Subsystem2/Subsystem1/Glucometer/Subsystem/Switch2	It might not be executed because of Conditional input branch optimization
Integrated_Model/Subsystem2/Subsystem1/Glucometer/Subsystem/Switch3	It might not be executed because of Conditional input branch optimization
Integrated_Model/Subsystem2/Subsystem1/Oximeter/Switch8	It might not be executed because of Conditional input branch optimization

Tests

Test	Started execution	Ended execution
Run 1	26-Mar-2022 19:47:34	26-Mar-2022 19:47:35

Summary

Model Hierarchy/Complexity

[Run 1](#)

		Decision		Execution
1.	Integrated Model	89	64%	99%
2.	Subsystem2	88	64%	99%
3.	Subsystem1	88	64%	99%
4.	Blood_Pressure_check	34	91%	100%
5.	Diastol_Elevated	3	83%	100%
6.	121+Compare		NA	100%
7.	129-Compare		NA	100%
8.	Diastol_Ht1	3	83%	100%
9.	130+Compare		NA	100%
10.	139-Compare		NA	100%
11.	Diastol_Ht2	3	100%	100%
12.	140+Compare		NA	100%
13.	159-Compare		NA	100%
14.	Diastol_Hterisis	3	100%	100%
15.	180+Compare		NA	100%
16.	260-Compare		NA	100%
17.	Diastol_Low	3	83%	100%
18.	100-Compare		NA	100%
19.	90+compare		NA	100%
20.	Diastol_Normal	2	100%	100%
21.	120Compare		NA	100%
22.	Systol_Elevated	3	100%	100%
23.	121+Compare		NA	100%
24.	129-Compare		NA	100%
25.	Systol_Ht1	3	100%	100%
26.	130+Compare		NA	100%
27.	139-Compare		NA	100%
28.	Systol_Ht2	3	100%	100%
29.	140+Compare		NA	100%
30.	159-Compare		NA	100%
31.	Systol_Hterisis	3	100%	100%
32.	180+Compare		NA	100%
33.	260-Compare		NA	100%
34.	Systol_Low	3	83%	100%
35.	100-Compare		NA	100%
36.	90+compare		NA	100%
37.	Systol_Normal	2	50%	100%
38.	120Compare		NA	100%
39.	Body_Temperature_Check	3	50%	100%
40.	Celsius_to_Fahrenheit		NA	100%
41.	Compare_To_Constant		NA	100%
42.	Compare_To_Constant1		NA	100%
43.	Condition_Of_Kidney	5	50%	100%
44.	Compare_To_Constant		NA	100%
45.	Compare_To_Constant1		NA	100%
46.	Compare_To_Constant2		NA	100%
47.	Compare_To_Constant3		NA	100%
48.	Compare_To_Constant4		NA	100%
49.	Glucometer	4	13%	77%
50.	Subsystem	4	13%	77%
51.	Compare_To_Constant		NA	100%
52.	Compare_To_Constant1		NA	100%

53.....	Compare To Constant2	NA	100%	
54.....	Compare To Constant3	NA	100%	
55.....	Oximeter	9 44%  	96%	
56.....	Compare To Constant	NA	100%	
57.....	Compare To Constant1	NA	100%	
58.....	Compare To Constant2	NA	100%	
59.....	Compare To Constant3	NA	100%	
60.....	Compare To Constant4	NA	100%	
61.....	Compare To Constant5	NA	100%	
62.....	Compare To Constant6	NA	100%	
63.....	Compare To Constant7	NA	100%	
64.....	Compare To Constant8	NA	100%	
65.....	Platelet_Count	9 50% 	100%	
66.....	Subsystem1	3 50% 	100%	
67.....	Compare To Constant6	NA	100%	
68.....	Compare To Constant7	NA	100%	
69.....	Compare To Constant8	NA	100%	
70.....	Subsystem2	3 50% 	100%	
71.....	Compare To Constant3	NA	100%	
72.....	Compare To Constant4	NA	100%	
73.....	Compare To Constant5	NA	100%	
74.....	Subsystem3	3 50% 	100%	
75.....	Compare To Constant1	NA	100%	
76.....	Compare To Constant2	NA	100%	
77.....	Compare To Constant9	NA	100%	
78.....	Subsystem	8 50% 	100%	
79.....	Blood_classification	4 50% 	100%	
80.....	Bloodgroup_A	1 50% 	100%	
81.....	Comparing_input	NA	100%	
82.....	Bloodgroup_AB	1 50% 	100%	
83.....	Compares_antigen	NA	100%	
84.....	Bloodgroup_B	1 50% 	100%	
85.....	Compare_to_input	NA	100%	
86.....	Bloodgroup_O	1 50% 	100%	
87.....	Compares_the_antibodies	NA	100%	
88.....	NOT_valid	NA	100%	
89.....	Compare_to_input	NA	100%	
90.....	RH_factor	4 50% 	100%	
91.....	Invalid_output	1 50% 	100%	
92.....	Subsystem2	1 50% 	100%	
93.....	Subsystem3	1 50% 	100%	
94.....	Subsystem4	1 50% 	100%	
95.....	Thyroid_Checkup	9 50% 	100%	
96.....	ThyroidCheckup_Subsystem	9 50% 	100%	
97.....	IfelseConditionSubsystem	4 50% 	100%	
98.....	OutputCombinedSubsystem	5 50% 	100%	
99.....	Urine_Analysis	7 50% 	100%	
100.....	Compare To Constant	NA	100%	
101.....	Compare To Constant1	NA	100%	
102.....	Compare To Constant2	NA	100%	
103.....	Compare To Constant3	NA	100%	
104.....	Compare To Constant4	NA	100%	
105.....	Compare To Constant5	NA	100%	

Details

1. Model "Integrated_Model"

Child Systems: [Subsystem2](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	1	89
Decision	NA	64% (112/176) decision outcomes
Execution	NA	99% (305/309) objective outcomes

2. SubSystem block "[Subsystem2](#)"

[Justify or Exclude](#)

Parent: [/Integrated_Model](#)

Child Systems: [Subsystem1](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	88
Decision	NA	64% (112/176) decision outcomes
Execution	NA	99% (305/309) objective outcomes

3. SubSystem block "[Subsystem1](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2](#)

Child Systems: [Bllod_Pressure_check](#), [Body_Temperature_Check](#), [Condition Of Kidney](#), [Glucometer](#), [Oximeter](#), [Platelet_Count](#), [Subsystem](#), [Thyroid_Checkup](#), [Urine_Analysis](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	88
Decision	NA	64% (112/176) decision outcomes
Execution	NA	99% (305/309) objective outcomes

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

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1](#)

Child Systems: [Diastol_Elevated](#), [Diastol_Ht1](#), [Diastol_Ht2](#), [Diastol_Htcrisis](#), [Diastol_Low](#), [Diastol_Normal](#), [Systol_Elevated](#), [Systol_Ht1](#), [Systol_Ht2](#), [Systol_Htcrisis](#), [Systol_Low](#), [Systol_Normal](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	34
Decision	NA	91% (62/68) decision outcomes
Execution	NA	100% (124/124) objective outcomes

5. SubSystem block "[Diastol_Elevated](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Bllod_Pressure_check](#)

Child Systems: [121+Compare](#), [129-Compare](#)

Metric	Coverage (this object)	Coverage (inc. descendants)

Cyclomatic Complexity	0	3
Decision	NA	83% (5/6) decision outcomes
Execution	NA	100% (11/11) objective outcomes

Switch block "[Range_Upper](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Blood_Pressure_check/Diastol_Elevated](#)

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)	0/277 
true (output is from 1st input port)	277/277

Full Coverage

Model Object

Model Object	Metric
Logic block " Logical Operator1 "	Execution
Switch block " Range_Lower "	Decision, Execution
Switch block " Switch "	Decision, Execution
Constant block " Constant5 "	Execution
Constant block " Constant6 "	Execution
Constant block " Constant7 "	Execution
Constant block " Constant8 "	Execution
StringConstant block " String Constant "	Execution

6. SubSystem block "[121+Compare](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Blood_Pressure_check/Diastol_Elevated](#)

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

Full Coverage

Model Object

Model Object	Metric
RelationalOperator block " Compare "	Execution

7. SubSystem block "[129-Compare](#)"

Justify or Exclude

Parent: [Integrated_Model/Subsystem2/Subsystem1/Blood_Pressure_check/Diastol_Elevated](#)

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

8. SubSystem block "[Diastol_Ht1](#)"

Justify or Exclude

Parent: [Integrated_Model/Subsystem2/Subsystem1/Blood_Pressure_check](#)

Child Systems: [130+Compare](#), [139-Compare](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	3
Decision	NA	83% (5/6) decision outcomes
Execution	NA	100% (11/11) objective outcomes

Switch block "[Range_Upper](#)"

Justify or Exclude

Parent: [Integrated_Model/Subsystem2/Subsystem1/Blood_Pressure_check/Diastol_Ht1](#)

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)	0/250
true (output is from 1st input port)	250/250

Full Coverage

Model Object	Metric
Logic block " Logical_Operator2 "	Execution
Switch block " Range_Lower "	Decision, Execution
Switch block " Switch "	Decision, Execution
Constant block " Constant11 "	Execution
Constant block " Constant12 "	Execution
Constant block " Constant13 "	Execution
Constant block " Constant14 "	Execution

StringConstant block "[String Constant](#)"

Execution

9. SubSystem block "[130+Compare](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Blood_Pressure_check/Diastol_Ht1](#)

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

10. SubSystem block "[139-Compare](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Blood_Pressure_check/Diastol_Ht1](#)

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

11. SubSystem block "[Diastol_Ht2](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Blood_Pressure_check](#)

Child Systems: [140+Compare](#), [159-Compare](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	3
Decision	NA	100% (6/6) decision outcomes
Execution	NA	100% (11/11) objective outcomes

Full Coverage

Model Object **Metric**

Logic block "[Logical Operator3](#)" Execution

Switch block "[Range_Lower](#)" Decision, Execution

Switch block "[Range_Upper](#)" Decision, Execution

Switch block "[Switch](#)" Decision, Execution

Constant block "[Constant15](#)" Execution

Constant block " Constant16 "	Execution
Constant block " Constant17 "	Execution
Constant block " Constant18 "	Execution
StringConstant block " String Constant "	Execution

12. SubSystem block "[140+Compare](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Blood_Pressure_check/Diastol_Ht2](#)

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

13. SubSystem block "[159-Compare](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Blood_Pressure_check/Diastol_Ht2](#)

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

14. SubSystem block "[Diastol_Hterisis](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Blood_Pressure_check](#)

Child Systems: [180+Compare](#), [260-Compare](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	3
Decision	NA	100% (6/6) decision outcomes
Execution	NA	100% (12/12) objective outcomes

Full Coverage

Model Object	Metric
Logic block " Logical Operator4 "	Execution

Switch block " Range_Lower "	Decision, Execution
Switch block " Range_Upper "	Decision, Execution
Switch block " Switch "	Decision, Execution
Constant block " Constant19 "	Execution
Constant block " Constant20 "	Execution
Constant block " Constant21 "	Execution
Constant block " Constant22 "	Execution
StringConstant block " String_Constant "	Execution
StringConstant block " String_Constant1 "	Execution

15. SubSystem block "[180+Compare](#)"

Justify or Exclude

Parent: [Integrated_Model/Subsystem2/Subsystem1/Blood_Pressure_check/Diastol_Htcrisis](#)

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

16. SubSystem block "[260-Compare](#)"

Justify or Exclude

Parent: [Integrated_Model/Subsystem2/Subsystem1/Blood_Pressure_check/Diastol_Htcrisis](#)

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

17. SubSystem block "[Diastol_Low](#)"

Justify or Exclude

Parent: [Integrated_Model/Subsystem2/Subsystem1/Blood_Pressure_check](#)

Child Systems: [100-Compare](#), [90+compare](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	3
Decision	NA	83% (5/6) decision outcomes
Execution	NA	100% (11/11) objective outcomes

Switch block "[Range_Upper](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Blood_Pressure_check/Diastol_Low](#)
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)	0/309
true (output is from 1st input port)	309/309

Full Coverage

Model Object

Metric

Logic block " Logical Operator "	Execution
Switch block " Range_Lower "	Decision, Execution
Switch block " Switch "	Decision, Execution
Constant block " Constant1 "	Execution
Constant block " Constant2 "	Execution
Constant block " Constant3 "	Execution
Constant block " Constant4 "	Execution
StringConstant block " String Constant "	Execution

18. SubSystem block "[100-Compare](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Blood_Pressure_check/Diastol_Low](#)

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
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19. SubSystem block "[90+compare](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Blood_Pressure_check/Diastol_Low](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	0

Execution	NA	100% (1/1) objective outcomes
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Full Coverage

Model Object	Metric
RelationalOperator block " Compare "	Execution

20. SubSystem block "[Diastol_Normal](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Blood_Pressure_check](#)
Child Systems: [120Compare](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	2
Decision	NA	100% (4/4) decision outcomes
Execution	NA	100% (6/6) objective outcomes

Full Coverage

Model Object	Metric
Switch block " Range_compare "	Decision, Execution
Switch block " Switch "	Decision, Execution
Constant block " Constant10 "	Execution
Constant block " Constant9 "	Execution
StringConstant block " String Constant "	Execution

21. SubSystem block "[120Compare](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Blood_Pressure_check/Diastol_Normal](#)

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

22. SubSystem block "[Systol_Elevated](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Blood_Pressure_check](#)
Child Systems: [121+Compare, 129-Compare](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	3

Decision	NA	100% (6/6) decision outcomes
Execution	NA	100% (11/11) objective outcomes

Full Coverage

Model Object	Metric
Logic block " Logical Operator1 "	Execution
Switch block " Range_Lower "	Decision, Execution
Switch block " Range_Upper "	Decision, Execution
Switch block " Switch "	Decision, Execution
Constant block " Constant5 "	Execution
Constant block " Constant6 "	Execution
Constant block " Constant7 "	Execution
Constant block " Constant8 "	Execution
StringConstant block " String Constant "	Execution

23. SubSystem block "[121+Compare](#)"

Justify or Exclude

Parent: [Integrated_Model/Subsystem2/Subsystem1/Blood_Pressure_check/Systol_Elevated](#)

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

24. SubSystem block "[129-Compare](#)"

Justify or Exclude

Parent: [Integrated_Model/Subsystem2/Subsystem1/Blood_Pressure_check/Systol_Elevated](#)

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

25. SubSystem block "[Systol_Ht1](#)"

Justify or Exclude

Parent: [Integrated_Model/Subsystem2/Subsystem1/Blood_Pressure_check](#)
Child Systems: [130+Compare](#), [139-Compare](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	3
Decision	NA	100% (6/6) decision outcomes
Execution	NA	100% (11/11) objective outcomes

Full Coverage

Model Object	Metric
Logic block " Logical Operator2 "	Execution
Switch block " Range_Lower "	Decision, Execution
Switch block " Range_Upper "	Decision, Execution
Switch block " Switch "	Decision, Execution
Constant block " Constant11 "	Execution
Constant block " Constant12 "	Execution
Constant block " Constant13 "	Execution
Constant block " Constant14 "	Execution
StringConstant block " String_Constant "	Execution

26. SubSystem block "[130+Compare](#)"

Justify or Exclude

Parent: [Integrated_Model/Subsystem2/Subsystem1/Blood_Pressure_check/Systol_Ht1](#)

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

27. SubSystem block "[139-Compare](#)"

Justify or Exclude

Parent: [Integrated_Model/Subsystem2/Subsystem1/Blood_Pressure_check/Systol_Ht1](#)

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

28. SubSystem block "[Systol_Ht2](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Blood_Pressure_check](#)

Child Systems: [140+Compare](#), [159-Compare](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	3
Decision	NA	100% (6/6) decision outcomes
Execution	NA	100% (11/11) objective outcomes

Full Coverage

Model Object	Metric
Logic block " Logical Operator3 "	Execution
Switch block " Range_Lower "	Decision, Execution
Switch block " Range_Upper "	Decision, Execution
Switch block " Switch "	Decision, Execution
Constant block " Constant15 "	Execution
Constant block " Constant16 "	Execution
Constant block " Constant17 "	Execution
Constant block " Constant18 "	Execution
StringConstant block " String Constant "	Execution

29. SubSystem block "[140+Compare](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Blood_Pressure_check/Systol_Ht2](#)

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

30. SubSystem block "[159-Compare](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Blood_Pressure_check/Systol_Ht2](#)

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

31. SubSystem block "[Systol_Htcrisis](#)"

Justify or Exclude

Parent: [Integrated_Model/Subsystem2/Subsystem1/Bllod_Pressure_check](#)
Child Systems: [180+Compare](#), [260-Compare](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	3
Decision	NA	100% (6/6) decision outcomes
Execution	NA	100% (12/12) objective outcomes

Full Coverage

Model Object	Metric
Logic block " Logical Operator4 "	Execution
Switch block " Range_Lower "	Decision, Execution
Switch block " Range_Upper "	Decision, Execution
Switch block " Switch "	Decision, Execution
Constant block " Constant19 "	Execution
Constant block " Constant20 "	Execution
Constant block " Constant21 "	Execution
Constant block " Constant22 "	Execution
StringConstant block " String_Constant "	Execution
StringConstant block " String_Constant1 "	Execution

32. SubSystem block "[180+Compare](#)"

Justify or Exclude

Parent: [Integrated_Model/Subsystem2/Subsystem1/Bllod_Pressure_check/Systol_Htcrisis](#)

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

33. SubSystem block "[260-Compare](#)"

Justify or Exclude

Parent: [Integrated_Model/Subsystem2/Subsystem1/Bllod_Pressure_check/Systol_Htcrisis](#)

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

34. SubSystem block "[Systol_Low](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Blood_Pressure_check](#)
Child Systems: [100-Compare](#), [90+compare](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	3
Decision	NA	83% (5/6) decision outcomes
Execution	NA	100% (11/11) objective outcomes

Switch block "[Range_Upper](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Blood_Pressure_check/Systol_Low](#)
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)	0/309
true (output is from 1st input port)	309/309

Full Coverage

Model Object	Metric
Logic block " Logical Operator "	Execution
Switch block " Range_Lower "	Decision, Execution
Switch block " Switch "	Decision, Execution
Constant block " Constant1 "	Execution
Constant block " Constant2 "	Execution
Constant block " Constant3 "	Execution
Constant block " Constant4 "	Execution
StringConstant block " String Constant "	Execution

35. SubSystem block "[100-Compare](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Blood_Pressure_check/Systol_Low](#)

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

36. SubSystem block "[90+compare](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Blood_Pressure_check/Systol_Low](#)

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

37. SubSystem block "[Systol_Normal](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Blood_Pressure_check](#)

Child Systems: [120Compare](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	2
Decision	NA	50% (2/4) decision outcomes
Execution	NA	100% (6/6) objective outcomes

Switch block "[Range_compare](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Blood_Pressure_check/Systol_Normal](#)

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)	272/272
true (output is from 1st input port)	0/272

Switch block "[Switch](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Blood_Pressure_check/Systol_Normal](#)

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)	272/272
true (output is from 1st input port)	0/272

Full Coverage

Model Object	Metric
Constant block " Constant10 "	Execution
Constant block " Constant9 "	Execution
StringConstant block " String Constant "	Execution

38. SubSystem block "[120Compare](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Blood_Pressure_check/Systol_Normal](#)

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

39. SubSystem block "[Body_Temperature_Check](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1](#)

Child Systems: [Celsius to Fahrenheit](#), [Compare To Constant](#), [Compare To Constant1](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	3
Decision	NA	50% (3/6) decision outcomes

Execution NA 100% (14/14) objective outcomes

Switch block "[Switch](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Body_Temperature_Check](#)

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

Switch block "[Switch1](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Body_Temperature_Check](#)

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

Switch block "[Switch2](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Body_Temperature_Check](#)

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
Product block " Product "	Execution
Constant block " Constant "	Execution
Constant block " Constant1 "	Execution
Constant block " Constant2 "	Execution
StringConstant block " String Constant "	Execution
StringConstant block " String Constant1 "	Execution

40. SubSystem block "[Celsius to Fahrenheit](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Body_Temperature_Check](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	0
Execution	NA	100% (3/3) objective outcomes

Full Coverage

Model Object	Metric
Gain block " Gain "	Execution
Sum block " Sum "	Execution
Constant block " Constant "	Execution

41. SubSystem block "[Compare To Constant](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Body_Temperature_Check](#)

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

42. SubSystem block "[Compare To Constant1](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Body_Temperature_Check](#)

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

43. SubSystem block "[Condition Of Kidney](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1](#)

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% (16/16) objective outcomes

Switch block "[Switch](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Condition Of Kidney](#).

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](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Condition Of Kidney](#).

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](#)"

Justify or Exclude

Parent: [Integrated_Model/Subsystem2/Subsystem1/Condition Of Kidney.](#)

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)	

Switch block "[Switch3](#)"

Justify or Exclude

Parent: [Integrated_Model/Subsystem2/Subsystem1/Condition Of Kidney.](#)

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)	
true (output is from 1st input port)	2/2

Switch block "[Switch4](#)"

Justify or Exclude

Parent: [Integrated_Model/Subsystem2/Subsystem1/Condition Of Kidney.](#)

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)	
true (output is from 1st input port)	2/2

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

44. SubSystem block "[Compare To Constant](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Condition Of Kidney](#).

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

45. SubSystem block "[Compare To Constant1](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Condition Of Kidney](#).

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

46. SubSystem block "[Compare To Constant2](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Condition Of Kidney](#).

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

47. SubSystem block "[Compare To Constant3](#)"

Justify or Exclude

Parent: [Integrated_Model/Subsystem2/Subsystem1/Condition Of Kidney](#)

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

48. SubSystem block "[Compare To Constant4](#)"

Justify or Exclude

Parent: [Integrated_Model/Subsystem2/Subsystem1/Condition Of Kidney](#)

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

49. SubSystem block "[Glucometer](#)"

Justify or Exclude

Parent: [Integrated_Model/Subsystem2/Subsystem1](#)

Child Systems: [Subsystem](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	4
Decision	NA	13% (1/8) decision outcomes
Execution	NA	77% (10/13) objective outcomes

50. SubSystem block "[Subsystem](#)"

Justify or Exclude

Parent: [Integrated_Model/Subsystem2/Subsystem1/Glucometer](#)

Child Systems: [Compare To Constant](#), [Compare To Constant1](#), [Compare To Constant2](#), [Compare To Constant3](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	4
Decision	NA	13% (1/8) decision outcomes
Execution	NA	77% (10/13) objective outcomes

Switch block "[Switch](#)"

Justify or Exclude

Parent: [Integrated_Model/Subsystem2/Subsystem1/Glucometer/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)	0/309 
true (output is from 1st input port)	309/309

Switch block "[Switch1](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Glucometer/Subsystem](#)

Uncovered Links: 

Metric **Coverage**

Cyclomatic Complexity	1
Decision	0% (0/2) decision outcomes
Execution	0% (0/1) objective outcomes

Decisions analyzed

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

Switch block "[Switch2](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Glucometer/Subsystem](#)

Uncovered Links: 

Metric **Coverage**

Cyclomatic Complexity	1
Decision	0% (0/2) decision outcomes
Execution	0% (0/1) objective outcomes

Decisions analyzed

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

Switch block "[Switch3](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Glucometer/Subsystem](#)

Uncovered Links: 

Metric	Coverage
Cyclomatic Complexity	1
Decision	0% (0/2) decision outcomes
Execution	0% (0/1) objective outcomes

Decisions analyzed

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

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

51. SubSystem block "[Compare To Constant](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Glucometer/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

52. SubSystem block "[Compare To Constant1](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Glucometer/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

53. SubSystem block "[Compare To Constant2](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Glucometer/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

54. SubSystem block "[Compare To Constant3](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Glucometer/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

55. SubSystem block "[Oximeter](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1](#)

Child Systems: [Compare To Constant](#), [Compare To Constant1](#), [Compare To Constant2](#), [Compare To Constant3](#), [Compare To Constant4](#), [Compare To Constant5](#), [Compare To Constant6](#), [Compare To Constant7](#), [Compare To Constant8](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	9
Decision	NA	44% (8/18) decision outcomes
Execution	NA	96% (27/28) objective outcomes

Switch block "[Switch](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Oximeter](#)

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)	309/309
true (output is from 1st input port)	0/309 

Switch block "[Switch1](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Oximeter](#)

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)	309/309
true (output is from 1st input port)	0/309 

Switch block "[Switch2](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Oximeter](#)

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)	309/309
true (output is from 1st input port)	0/309 

Switch block "[Switch3](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Oximeter](#)

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)	309/309
true (output is from 1st input port)	0/309



Switch block "[Switch4](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Oximeter](#)

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)	309/309
true (output is from 1st input port)	0/309

Switch block "[Switch5](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Oximeter](#)

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)	309/309
true (output is from 1st input port)	0/309

Switch block "[Switch6](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Oximeter](#)

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)	309/309
true (output is from 1st input port)	0/309

Switch block "[Switch7](#)"

Justify or Exclude

Parent: [Integrated_Model/Subsystem2/Subsystem1/Oximeter](#)

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)	0/309
true (output is from 1st input port)	309/309

Switch block "[Switch8](#)"

Justify or Exclude

Parent: [Integrated_Model/Subsystem2/Subsystem1/Oximeter](#)

Uncovered Links:

Metric **Coverage**

Cyclomatic Complexity	1
Decision	0% (0/2) decision outcomes
Execution	0% (0/1) objective outcomes

Decisions analyzed

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

Full Coverage

Model Object

Metric

Constant block " Constant1 "	Execution
Constant block " Constant10 "	Execution
Constant block " Constant2 "	Execution
Constant block " Constant3 "	Execution
Constant block " Constant4 "	Execution
Constant block " Constant5 "	Execution
Constant block " Constant6 "	Execution
Constant block " Constant7 "	Execution
Constant block " Constant8 "	Execution
Constant block " Constant9 "	Execution

56. SubSystem block "[Compare To Constant](#)"

Justify or Exclude

Parent: [Integrated_Model/Subsystem2/Subsystem1/Oximeter](#)

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

57. SubSystem block "[Compare To Constant1](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Oximeter](#)

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

58. SubSystem block "[Compare To Constant2](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Oximeter](#)

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

59. SubSystem block "[Compare To Constant3](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Oximeter](#)

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

60. SubSystem block "[Compare To Constant4](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Oximeter](#)

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

61. SubSystem block "[Compare To Constant5](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Oximeter](#)

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

62. SubSystem block "[Compare To Constant6](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Oximeter](#)

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

63. SubSystem block "[Compare To Constant7](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Oximeter](#)

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

64. SubSystem block "[Compare To Constant8](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Oximeter](#)

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

65. SubSystem block "[Platelet_Count](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1](#)

Child Systems: [Subsystem1](#), [Subsystem2](#), [Subsystem3](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	9
Decision	NA	50% (9/18) decision outcomes
Execution	NA	100% (34/34) objective outcomes

Full Coverage

Model Object	Metric
Logic block " AND "	Execution

66. SubSystem block "[Subsystem1](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Platelet_Count](#)

Child Systems: [Compare To Constant6](#), [Compare To Constant7](#), [Compare To Constant8](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	3
Decision	NA	50% (3/6) decision outcomes
Execution	NA	100% (11/11) objective outcomes

Switch block "[Switch6](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Platelet_Count/Subsystem1](#)

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 "[Switch7](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Platelet_Count/Subsystem1](#)

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 "[Switch8](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Platelet_Count/Subsystem1](#)

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 " Constant10 "	Execution
Constant block " Constant11 "	Execution
Constant block " Constant12 "	Execution
Constant block " Constant13 "	Execution
Constant block " Constant9 "	Execution

67. SubSystem block "[Compare To Constant6](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Platelet_Count/Subsystem1](#)

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

68. SubSystem block "[Compare To Constant7](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Platelet_Count/Subsystem1](#)

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

69. SubSystem block "[Compare To Constant8](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Platelet_Count/Subsystem1](#)

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

70. SubSystem block "[Subsystem2](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Platelet_Count](#)

Child Systems: [Compare To Constant3](#), [Compare To Constant4](#), [Compare To Constant5](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	3
Decision	NA	50% (3/6) decision outcomes
Execution	NA	100% (11/11) objective outcomes

Switch block "[Switch3](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Platelet_Count/Subsystem2](#)

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 "[Switch4](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Platelet_Count/Subsystem2](#)

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 "[Switch5](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Platelet_Count/Subsystem2](#)

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 " Constant5 "	Execution
Constant block " Constant6 "	Execution
Constant block " Constant7 "	Execution
Constant block " Constant8 "	Execution

71. SubSystem block "[Compare To Constant3](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Platelet_Count/Subsystem2](#)

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

72. SubSystem block "[Compare To Constant4](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Platelet_Count/Subsystem2](#)

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

73. SubSystem block "[Compare To Constant5](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Platelet_Count/Subsystem2](#)

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

74. SubSystem block "[Subsystem3](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Platelet_Count](#)

Child Systems: [Compare To Constant](#), [Compare To Constant2](#), [Compare To Constant9](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	3
Decision	NA	50% (3/6) decision outcomes
Execution	NA	100% (11/11) objective outcomes

Switch block "[Switch1](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Platelet_Count/Subsystem3](#)

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](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Platelet_Count/Subsystem3](#)

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

Switch block "[Switch9](#)"[Justify or Exclude](#)Parent: [Integrated_Model/Subsystem2/Subsystem1/Platelet_Count/Subsystem3](#)

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 " Constant1 "	Execution
Constant block " Constant14 "	Execution
Constant block " Constant2 "	Execution
Constant block " Constant3 "	Execution
Constant block " Constant4 "	Execution

75. SubSystem block "[Compare To Constant1](#)"[Justify or Exclude](#)Parent: [Integrated_Model/Subsystem2/Subsystem1/Platelet_Count/Subsystem3](#)

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
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76. SubSystem block "[Compare To Constant2](#)"[Justify or Exclude](#)Parent: [Integrated_Model/Subsystem2/Subsystem1/Platelet_Count/Subsystem3](#)

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

77. SubSystem block "[Compare To Constant9](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Platelet_Count/Subsystem3](#)

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

78. SubSystem block "[Subsystem](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1](#)

Child Systems: [Blood_classification](#), [RH_factor](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	8
Decision	NA	50% (8/16) decision outcomes
Execution	NA	100% (39/39) objective outcomes

Full Coverage

Model Object	Metric
Constant block " Anti_bodies_A "	Execution
Constant block " Anti_bodies_B "	Execution
Constant block " Antigen_A "	Execution
Constant block " Antigen_B "	Execution
Constant block " RH "	Execution

79. SubSystem block "[Blood_classification](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Subsystem](#)

Child Systems: [Bloodgroup_A](#), [Bloodgroup_AB](#), [Bloodgroup_B](#), [Bloodgroup_O](#), [NOT_valid](#)

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

Execution	NA	100% (22/22) objective outcomes
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80. SubSystem block "[Bloodgroup_A](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Subsystem/Blood_classification](#)
Child Systems: [Comparing_input](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	1
Decision	NA	50% (1/2) decision outcomes
Execution	NA	100% (5/5) objective outcomes

Switch block "[Checks_for_group](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Subsystem/Blood_classification/Bloodgroup_A](#)
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

Product block " MultipliesA&B "	Execution
Constant block " Invalid "	Execution
Constant block " Valid "	Execution

81. SubSystem block "[Comparing_input](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Subsystem/Blood_classification/Bloodgroup_A](#)

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
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82. SubSystem block "[Bloodgroup_AB](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Subsystem/Blood_classification](#)

Child Systems: [Compares_antigen](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	1
Decision	NA	50% (1/2) decision outcomes
Execution	NA	100% (5/5) objective outcomes

Switch block "[Switch4](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Subsystem/Blood_classification/Bloodgroup_AB](#)

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

Logic block "[Checks_antigen](#)" Execution

Constant block "[Invalid_group](#)" Execution

Constant block "[Valid_Blood_group](#)" Execution

83. SubSystem block "[Compares_antigen](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Subsystem/Blood_classification/Bloodgroup_AB](#)

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

84. SubSystem block "[Bloodgroup_B](#)"

Justify or Exclude

Parent: [Integrated_Model/Subsystem2/Subsystem1/Subsystem/Blood_classification](#)

Child Systems: [Compare_to_input](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	1
Decision	NA	50% (1/2) decision outcomes
Execution	NA	100% (5/5) objective outcomes

Switch block "[Checks_condition](#)"

Justify or Exclude

Parent: [Integrated_Model/Subsystem2/Subsystem1/Subsystem/Blood_classification/Bloodgroup_B](#)

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

Product block "[multiplies_input](#)" Execution

Constant block "[Invalid](#)" Execution

Constant block "[Valid](#)" Execution

85. SubSystem block "[Compare_to_input](#)"

Justify or Exclude

Parent: [Integrated_Model/Subsystem2/Subsystem1/Subsystem/Blood_classification/Bloodgroup_B](#)

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

86. SubSystem block "[Bloodgroup_O](#)"

Justify or Exclude

Parent: [Integrated_Model/Subsystem2/Subsystem1/Subsystem/Blood_classification](#)

Child Systems: [Compares_the_antibodies](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	1
Decision	NA	50% (1/2) decision outcomes
Execution	NA	100% (5/5) objective outcomes

Switch block "[checks_input](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Subsystem/Blood_classification/Bloodgroup_O](#)

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

Logic block "[Checks_antibodies](#)" Execution

Constant block "[Inalid_group](#)" Execution

Constant block "[Valid_group](#)" Execution

87. SubSystem block "[Compares_the_antibodies](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Subsystem/Blood_classification/Bloodgroup_O](#)

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

88. SubSystem block "[NOT_valid](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Subsystem/Blood_classification](#)

Child Systems: [Compare_to_input](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	0
Execution	NA	100% (2/2) objective outcomes

Full Coverage

Model Object	Metric
Product block " Product "	Execution

89. SubSystem block "[Compare_to_input](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Subsystem/Blood_classification/NOT_valid](#)

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

90. SubSystem block "[RH_factor](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Subsystem](#)

Child Systems: [Invalid_output](#), [Subsystem2](#), [Subsystem3](#), [Subsystem4](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	4
Decision	NA	50% (4/8) decision outcomes
Execution	NA	100% (12/12) objective outcomes

91. SubSystem block "[Invalid_output](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Subsystem/RH_factor](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	1
Decision	NA	50% (1/2) decision outcomes
Execution	NA	100% (3/3) objective outcomes

If block "[If](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Subsystem/RH_factor/Invalid_output](#)

Uncovered Links:

Metric	Coverage

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

Decisions analyzed

input logical value	50%
false	309/309
true	0/309 

Full Coverage

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

92. SubSystem block "[Subsystem2](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Subsystem/RH_factor](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	1
Decision	NA	50% (1/2) decision outcomes
Execution	NA	100% (3/3) objective outcomes

If block "[If1](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Subsystem/RH_factor/Subsystem2](#)

Uncovered Links: 

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

Decisions analyzed

input logical value	50%
false	309/309
true	0/309 

Full Coverage

Model Object	Metric
Constant block " Constant3 "	Execution
Constant block " Constant4 "	Execution

93. SubSystem block "[Subsystem3](#)"

Justify or Exclude

Parent: [Integrated_Model/Subsystem2/Subsystem1/Subsystem/RH_factor](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	1
Decision	NA	50% (1/2) decision outcomes
Execution	NA	100% (3/3) objective outcomes

If block "[If2](#)"

Justify or Exclude

Parent: [Integrated_Model/Subsystem2/Subsystem1/Subsystem/RH_factor/Subsystem3](#)

Uncovered Links:  

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

Decisions analyzed

input logical value	50%
false	309/309
true	0/309 

Full Coverage

Model Object

Metric

Constant block "[Constant5](#)" Execution

Constant block "[Constant6](#)" Execution

94. SubSystem block "[Subsystem4](#)"

Justify or Exclude

Parent: [Integrated_Model/Subsystem2/Subsystem1/Subsystem/RH_factor](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	1
Decision	NA	50% (1/2) decision outcomes
Execution	NA	100% (3/3) objective outcomes

If block "[If3](#)"

Justify or Exclude

Parent: [Integrated_Model/Subsystem2/Subsystem1/Subsystem/RH_factor/Subsystem4](#)

Uncovered Links:  

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

Decisions analyzed

input logical value	50%
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false	309/309
true	0/309 

Full Coverage

Model Object	Metric
Constant block " Constant7 "	Execution
Constant block " Constant8 "	Execution

95. SubSystem block "[Thyroid_Checkup](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1](#)
Child Systems: [ThyroidCheckup_Subsystem](#)

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

Full Coverage

Model Object	Metric
Constant block " Mode "	Execution

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

[Justify or Exclude](#)
Parent: [Integrated_Model/Subsystem2/Subsystem1/Thyroid_Checkup](#)
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

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

Justify or Exclude	Parent:	Integrated_Model/Subsystem2/Subsystem1/Thyroid_Checkup/ThyroidCheckup_Subsystem
Metric	Coverage (this object)	Coverage (inc. descendants)
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: [Integrated_Model/Subsystem2/Subsystem1/Thyroid_Checkup/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	309/309
true	0/309
input 2 "elseif" condition	50%
false	309/309
true	0/309
input 3 "elseif" condition	50%
false	309/309
true	0/309
input 4 "elseif" condition	50%
false	309/309
true	0/309

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

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

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Thyroid_Checkup/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: [Integrated_Model/Subsystem2/Subsystem1/Thyroid_Checkup/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)	309/309
true (output is from 1st input port)	0/309 

Switch block "[Switch1](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Thyroid_Checkup/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)	309/309
true (output is from 1st input port)	0/309 

Switch block "[Switch2](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Thyroid_Checkup/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)	309/309
true (output is from 1st input port)	0/309 

Switch block "[Switch3](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Thyroid_Checkup/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)	309/309
true (output is from 1st input port)	0/309 

Switch block "[Switch4](#)"Justify or ExcludeParent: [Integrated_Model/Subsystem2/Subsystem1/Thyroid_Checkup/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)	0/309 
true (output is from 1st input port)	309/309

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

99. SubSystem block "[Urine_Analysis](#)"Justify or ExcludeParent: [Integrated_Model/Subsystem2/Subsystem1](#)Child Systems: [Compare To Constant](#), [Compare To Constant1](#), [Compare To Constant2](#), [Compare To Constant3](#), [Compare To Constant4](#), [Compare To Constant5](#), [Compare To Constant6](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	0	7
Decision	NA	50% (7/14) decision outcomes
Execution	NA	100% (23/23) objective outcomes

Switch block "[Switch](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Urine_Analysis](#)
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](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Urine_Analysis](#)
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](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Urine_Analysis](#)
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: [Integrated_Model/Subsystem2/Subsystem1/Urine_Analysis](#)

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 "[Switch4](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Urine_Analysis](#)

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 "[Switch5](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Urine_Analysis](#)

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 "[Switch6](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Urine_Analysis](#)

Uncovered Links: 

Metric **Coverage**

Cyclomatic Complexity	1
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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 " Constant "	Execution
Constant block " Constant1 "	Execution
Constant block " Constant2 "	Execution
Constant block " Constant3 "	Execution
Constant block " Constant4 "	Execution
Constant block " Constant5 "	Execution
Constant block " Constant6 "	Execution
Constant block " Constant7 "	Execution
Constant block " Constant8 "	Execution

100. SubSystem block "[Compare To Constant](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Urine_Analysis](#)

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

101. SubSystem block "[Compare To Constant1](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Urine_Analysis](#)

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

102. SubSystem block "[Compare To Constant2](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Urine_Analysis](#)

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

103. SubSystem block "[Compare To Constant3](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Urine_Analysis](#)

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

104. SubSystem block "[Compare To Constant4](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Urine_Analysis](#)

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

105. SubSystem block "[Compare To Constant5](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Urine_Analysis](#)

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

106. SubSystem block "[Compare To Constant6](#)"

[Justify or Exclude](#)

Parent: [Integrated_Model/Subsystem2/Subsystem1/Urine_Analysis](#)

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