DC/CC Analysis Report

DC/CC Coverage Summary

DC/CC Coverage: 33.3%

Identified Couplings: 6

Couplings Exercised Independent and Affecting Outputs: 2

Couplings Exercised Independent and Not Affecting Outputs: 0

Coupling Variable Analysis:

- **Coupling ID: 1 | Independent Exercised: No | Sut Outputs Affected: No**

- **Coupling ID: 2 | Independent Exercised: No | Sut Outputs Affected: No**

- **Coupling ID: 3 | Independent Exercised: Yes| Sut Outputs Affected: Yes**

- **Coupling ID: 4 | Independent Exercised: No | Sut Outputs Affected: No**

- **Coupling ID: 5 | Independent Exercised: Yes| Sut Outputs Affected: Yes**

- **Coupling ID: 6 | Independent Exercised: No | Sut Outputs Affected: No**

Detailed Coupling Description

Coupling ID: 1

Variable:	AO1
Output Component:	CompA
Input Component:	CompC
SUT Output Related:	SUTO2, teste_return, SUTO1

Coupling ID: 2

Variable:	BO1
Output Component:	CompB
Input Component:	CompC
SUT Output Related:	SUTO2, teste_return, SUTO1

Coupling ID: 3

Variable:	CO1
Output Component:	CompC
Input Component:	CompE
SUT Output Related:	SUTO2

Independent Coupling Exercises

    1. Exercised coupling pairs (Test vector lines):   1,2

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SUT Outputs Affected: Yes
Non-Varying Parameters: None
Non-Varying Parameters Values: None

CO1	SUTO2
51235	-1669942071
17645	311346025

2. Exercised coupling pairs (Test vector lines): 1,3
SUT Outputs Affected: Yes
Non-Varying Parameters: None
Non-Varying Parameters Values: None

CO1	SUTO2
51235	-1669942071
23671	560316241

3. Exercised coupling pairs (Test vector lines): 1,4
SUT Outputs Affected: Yes
Non-Varying Parameters: None
Non-Varying Parameters Values: None

CO1	SUTO2
51235	-1669942071
-34840	1213825600

4. Exercised coupling pairs (Test vector lines): 2,3
SUT Outputs Affected: Yes
Non-Varying Parameters: None
Non-Varying Parameters Values: None

CO1	SUTO2
17645	311346025
23671	560316241

5. Exercised coupling pairs (Test vector lines): 2,4
SUT Outputs Affected: Yes
Non-Varying Parameters: None
Non-Varying Parameters Values: None

CO1	SUTO2
17645	311346025
-34840	1213825600

6. Exercised coupling pairs (Test vector lines): 3,4
SUT Outputs Affected: Yes
Non-Varying Parameters: None
Non-Varying Parameters Values: None

CO1	SUTO2
23671	560316241
-34840	1213825600

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Coupling ID: 4

Variable: CO1
Output Component: CompC
Input Component: CompD
SUT Output Related: SUTO1

Coupling ID: 5

Variable: CO1
Output Component: CompC
Input Component: CompF
SUT Output Related: teste_return

Independent Coupling Exercises

1. Exercised coupling pairs (Test vector lines): 1,2
   SUT Outputs Affected: Yes
   Non-Varying Parameters: None
   Non-Varying Parameters Values: None

CO1	teste_return
51235	51236
17645	17646

2. Exercised coupling pairs (Test vector lines): 1,3
   SUT Outputs Affected: Yes
   Non-Varying Parameters: None
   Non-Varying Parameters Values: None

CO1	teste_return
51235	51236
23671	23672

3. Exercised coupling pairs (Test vector lines): 1,4
   SUT Outputs Affected: Yes
   Non-Varying Parameters: None
   Non-Varying Parameters Values: None

CO1	teste_return
51235	51236
-34840	-34839

4. Exercised coupling pairs (Test vector lines): 2,3
   SUT Outputs Affected: Yes
   Non-Varying Parameters: None
   Non-Varying Parameters Values: None

CO1	teste_return
17645	17646
23671	23672

5. Exercised coupling pairs (Test vector lines): 2,4

SUT Outputs Affected: Yes
Non-Varying Parameters: None
Non-Varying Parameters Values: None

CO1	teste_return
17645	17646
-34840	-34839

6. Exercised coupling pairs (Test vector lines): 3,4
SUT Outputs Affected: Yes
Non-Varying Parameters: None
Non-Varying Parameters Values: None

CO1	teste_return
23671	23672
-34840	-34839

Coupling ID: 6

Variable: AO2
Output Component: CompA
Input Component: CompD
SUT Output Related: SUTO1