# Summary

Sink States: $0(0 \times 10^0)$ 

Table 1: Sip4J Analysis Summary

Classes	Methods	States	Unreachable clauses	Unreachable states	Possible concurrent methods	Total. no. of method pairs	No. of concurrent method pairs	Percentage of concurrent methods pairs
SeqIntegral	5	1	0	0	2	15	3	20
Total Classes=1	5	1	0	0	2	15	3	20

### Contents

1	SeqIntegral	3
2	Abbreviation	4
3	Annotated version of the input program generated by Sip4J	5

## 1 SeqIntegral

Table 2: Method's Satisfiability(Code Reachabiity Analysis

Method	Satisfiability
SeqIntegral	$\sqrt{}$
compute	
main	
display	
f	$\checkmark$

Table 3: State Transition Matrix

	alive
alive	<b>↑</b>

Table 4: Methods Concurrency Matrix

	SeqIntegral	compute	main	display	f
SeqIntegral	#	#	#	#	#
compute	#	#	#	#	#
main	#	#	#	#	#
display	#	#	#		
f	#	#	#		

#### 2 Abbreviation

Table 5: Used Abbreviation

Symbol	Meaning
	requires clause of the method is satisfiable
×	requires clause of the method is unsatisfiable
<b>↑</b>	The row-state can be transitioned to the column-state
×	The row-state cannot be transitioned to the column-state
	The row-method can be possibly executed parallel with the column-method
#	The row-method cannot be executed parallel with the column-method

### 3 Annotated version of the input program generated by Sip4J