Summary

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

Table 1: Pulse Analysis Summary

Classes	Methods	States	Unsatisfiable Clauses	Unreachable States	Possible concurrent Methods	Total. no. of pairs	No. of concurrent pairs	Percentage of concurrent Methods
MTTS	5	1	0	0	4	15	7	47
TaskData	2	1	0	0	1	3	1	33
Total Classes=2	7	2	0	0	5	18	8	44

Contents

1	MTTS	3
2	TaskData	4
3	Abbreviation	5
4	Annotated Version of Sequential Java Program generated by Sip4j	6

1 MTTS

Table 2: Methods Requires Clause Satisfiability

Method	Satisfiability
MTTS	
setData	
getData	\checkmark
execute	\checkmark
getTaskStatus	\checkmark

Table 3: State Transition Matrix

	alive
alive	↑

Table 4: Methods Concurrency Matrix

	MTTS	setData	getData	execute	getTaskStatus
MTTS	#	#	#	#	#
setData	#	#		#	
getData	#				
execute	#	#		#	
getTaskStatus	#				

2 TaskData

Table 5: Methods Requires Clause Satisfiability

Method	Satisfiability
TaskData	
main	

Table 6: State Transition Matrix



Table 7: Methods Concurrency Matrix

	$\operatorname{TaskData}$	main
TaskData	#	#
main	\parallel	

3 Abbreviation

Table 8: Used Abbreviation

Symbol	Meaning
	requires clause of the method is satisfiable
X	requires clause of the method is unsatisfiable
↑	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

4 Annotated Version of Sequential Java Program generated by Sip4j