

Testname (Groovy)	Model used	Usage	Classes Covered	Notes/ TODOs
algMultProcedure	<i>generated</i>	generates a model "Multiplication" and animates it	ModelModifier, AlgorithmGenerationOptions, AlgorithmTranslator	
algorithmMultExample	<i>generated</i>	generates the model "Multiplication" from an algorithm	ModelModifier, AlgorithmGenerationOptions, AlgorithmTranslator	
animationCommands	<i>scheduler.mch</i>	uses animationCommands on a model	CheckMaxOperationsReachedStatusCommand, CheckTimeoutStatusCommand, GetEnabledOperationsCommand, GetOperationsByPredicateCommand, IStateSpaceModifier	
animationSmokeTest	<i>scheduler.mch</i>	creates 10 random Traces for a model		
anyOperationTest	<i>scheduler.mch</i>	anyOperation and anyEvent are executed properly	Trace	
assertionPropagation	<i>generated</i>	generates a model of a "binary search" algorithm	ModelModifier, AlgorithmGenerationOptions, AlgorithmTranslator	
asynchronousEval	<i>scheduler.mch</i>	checks if formulas can be registered and evaluated later on	EvaluationErrorResult	
bowlOfCherriesTest	<i>generated</i>	generate and animate the "bowlOfCherries" Model	ModelModifier, AlgorithmGenerationOptions, AlgorithmTranslator	
branchTrace	<i>scheduler.mch</i>	perform animations on a model, go back and have different step results in a correct trace	Trace, getTransitionList	
carsOnABridge	<i>generated</i>	generate cars on a bridge model		Can't fix
cbcChecking	<i>createErrors.bcm</i>	test constraint based deadlock and invariant checking	CBCDeadlockChecker	
cbcTest	<i>scheduler.mch</i>	test if CBC solving correctly	CbcSolveCommand	TODO: another example and translation test missing
checkStdLib	<i>none</i>	check if standard library is present		
correctIncludes	<i>M1.mch</i>	check if machines are prefixed and represented correctly (and checks if subscription works correctly)	Dependency Graph	
counterLoadBumBumTest	<i>machine.bum.bum</i>	ensures that .bum.bum file can be loaded and doesn't result in empty machine	.	
CoverageTest	<i>scheduler.mch</i>	ComputeCoverageCommand returns expected result	ComputeCoverageCommand	

cspAssertions	Deterministic1.csp		CSPModel, CSPAssertionCommand	example for checking CSP assertion
enableMatrixTest	scheduler.mch	checks if info of GetEnableMatrixCommand is set correctly while executed	GetEnableMatrixCommand	
enumerationWarning	scheduler.mch	check if warnings are handled	EnumerationWarning	
euclidAlgorithm	generated	generates the model "Multiplication" from an algorithm	ModelModifier, AlgorithmGenerationOptions, AlgorithmTranslator	
evalStore	scheduler.mch	eval store MAY(?) be working correctly	EvalstoreCreateByStateCommand, EvalstoreEvalCommand (redundant), EvalstoreResult	maybe give it a better name... and change description
evaluateFormulasTest	scheduler.mch	check if registered formula is automatically evaluated in every state and can be found in the cache later on		there's a ticket for that so keep in mind -> command to unregister formulas PROBCORE-931
evaluationOfFormulasTest	scheduler.mch	check if evaluating of FORMULAS work	ClassicalB, TranslatedEvalResult, Atom	
executeUntil2	Simple.mch	for scheduler it is possible to randomly animate until a condition is met, check whether result trace is as expected	ExecuteUtilCommand	TODO: command to slow to make a new ExecuteUtilCommand and execute it
factorialAlgorithm	generated	generate and animate the "factorialAlgorithm" Model	ModelModifier, AlgorithmGenerationOptions, AlgorithmTranslator	
filterByPredicate	scheduler.mch	test if method getStatesFromPredicate works correctly		
filterStates	scheduler.mch	test if command FilterStatesFromPredicateCommand works correctly	FilterStatesFromPredicateCommand	
findTrace	scheduler.mch	test if GetShortestTraceCommand works correctly	GetShortestTraceCommand	
formulaExpansion	scheduler.mch	test if ExpandFormulaCommand works correctly	ExpandFormulaCommand	
getStateRep	scheduler.mch	test if you can get a state representation from prolog	State, getStateRep	
getTransitionDiagrammTest	scheduler.mch	check if GetTransitionDiagrammCommand works correctly	GetTransitionDiagrammCommand	
getVersion	scheduler.mch	check if GetVersionCommand works correctly	GetVersionCommand	
levelsLoadBccTest	levels.bcc	check if a .bcc file can be loaded and doesn't result in empty machine	api.*_load	

levelsLoadBucTest	levels.buc	check if a .buc file can be loaded and doesn't result in empty machine	api.*_load	
llParsingAlgorithm	generated	generate and animate the "llParsing" Model	ModelModifier, AlgorithmGenerationOptions, AlgorithmTranslator	
loadAndSaveEventB	lift0.bcm	test if loading and storing an eventB example works		
loadClassicalBfromAst	generated	load generated B machine and test it	Bparser	
loadEventBFromZip	Farmer.zip	check if model can be loaded from zip file	ModelFactory	
loadEventBLift	lift0.bcm	check if the models are still accessible, when an EventB file is loaded	Dependency Graph.ERefType	
loadFromAst	generated	check if it's possible to load a model from an ast	BParser, ModelFactory	
loadFromString	generated	check if it's possible to load a model from a string	ModelFactory	
loadLift	Lift.mch	check if Lift.mch is loaded		
ltlTest	scheduler.mch	test if LTLFormulas can be checked	LTL, LTLCounterExample, LTLError, ModelChecker	
modelAPI	EmptyMachine.bcm	test if ModelAPI works correctly	ModelModifier, make	
modelAPI2	EmptyMachine.bcm	test if ModelAPI works correctly	ModelModifier, make	
modelCheck	scheduler.mch	test if Model Checking works correctly	ConsistencyChecker, ModelCheck	
modelCheckingProcedures	generated	create model of model checking algorithm		
modelConstruction	generated	test if it's possible to construct a model	ModelModifier, getModel	
nonExistentFilesCaught	none	test if FileNotFoundException is thrown if an invalid file is given	api.*_load	
opRepresentation	MultipleExample.mch Deterministic1.csp	check if Operations are expanded as expected, when calling getCurrentTransition		

predicateCommands	<i>scheduler.mch</i>	test if PrimePredicateCommand works correctly	PrimePredicateCommand	
preferencesTest	<i>scheduler.mch</i>	set Preferences and check if they work	GetCurrentPreferenceCommand	
proB344TypeError	<i>Life.mch Marriage.mch</i>	check if ProB-344 is still resolved		
prologASTTest	<i>scheduler.mch</i>	Check if PrologAST builds correctly	GetModelCheckingCommand, PrologAST	
russischeBauernmulti	<i>generated</i>	generate and animate the "Bauern2" Model	ModelModifier, AlgorithmGenerationOptions, AlgorithmTranslator	
schedulerLoadBcmTest	<i>Scheduler0.bcm</i>	check if a .bcm file can be loaded and doesn't result in empty machine, and check if some steps can be done	api.*_load	
schedulerLoadBumTest	<i>Scheduler0.bum</i>	check if a .bum file can be loaded and doesn't result in empty machine, and check if some steps can be done	api.*_load	
schedulerTests	<i>scheduler.mch</i>	test some attributes of the scheduler model		
searchForGoal	<i>scheduler.mch</i>	test if checking for goals works	ModelCheckingOptions, checkGoal	
SerializeTest	<i>scheduler.mch</i>	test if state can be serialized	SerializeStateCommand	
simpleMultiplication	<i>generated</i>	generate and animate "SimpleMult" model	ModelModifier, AlgorithmGenerationOptions, AlgorithmTranslator	
syncedTraces	<i>scheduler.mch lift0.bcm</i>	check if it's possible to sync traces with event and parameter combinations	SyncedTraces, Trace	
testCommand	<i>scheduler.mch</i>	test if it's possible to create a simple text command	SimpleTextCommand	
testPrettyTransitions	<i>lift0.bcm</i>	test if pretty print works	Trace, getPrettyRep	
testStub	<i>scheduler.mch</i>	RAW MODEL OF HOW A TEST SHOULD LOOK LIKE, WITH SCHEDULER AS MODEL...		
testUnitPluginActivation	<i>Empty.mch</i>	test if unit plugin can be activated and accessed successfully	GetPluginResultCommand	
testWDErrorsInEvaluation	<i>scheduler.mch</i>	test if evaluation errors can be caught and evaluated simply	EvaluationErrorResult	

theoryIntegration	Mch.bcm	test if it's possible to load and create and animate and Event-B model that uses the theory plugin	Theory, ModelModifier	
traceFromToNode	scheduler.mch	test if you can create a trace between two given nodes	FindTraceBetweenNodesCommand	
translateSubscribe	scheduler.mch	test if a formula object can be subscribed	ClassicalBModel, subscribe	
truncateValues	MultipleExample.mch	test if expanding and truncating formulas works	FormulaExpand	
typeCheck	scheduler.mch	test if it's possible to type check a formula	ClassicalB, Formula, typecheck	
unsatCore	scheduler.mch	test if UnsatCoreCommand and MinimumUnsatCoreCommand work properly	UnsatCoreCommand, MinimumUnsatCoreCommand	
usedMachineVariableScoping	Foo.mch	test if variables are correctly prefixed	ClassicalBModel, variables, invariants	
useSeqsInAlgorithm	generated	test if it's possible to load and create and animate and Event-B model that uses the theory plugin	Theory, ModelModifier, AlgorithmTranslator	
valueTranslator	none	check if values are translated correctly	Tanslator, translate	
variantGeneration	generated	test if it's possible to generate "MyLoopProject" and check termination of loops	ModelModifier, AlgorithmGenerationOptions, AlgorithmTranslator	
Legend				
grey= model, orange= TODO, green= ticket! yellow= Template				