5159: Arch 0.0,1,1,0,0,0,1,0,0,1,0,0,0,1,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,1,0,0,0,1,1,1,0,1,1,1,0,1,1,1,1,1 Science = -0.444343; Cost = 8467.140262

WARNING: Loading ad-hoc rules

Resource 0 initialized.

5160: Arch 0.0,0,0,0,1,0,1,0,0,1,0,0,0,0,0,0,0,1,0,0,1,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,1,0,0,0,1,1,1,1,0 Science = -0.402314; Cost = 5206.373217

WARNING: Loading ad-hoc rules

Resource 1 initialized.

WARNING: Loading ad-hoc rules

5161: Arch 0.0,0,0,0,1,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,1,0,1,0,0,0,0,0,1,1,1,0,1,1,1,0,1,1,1,1,1 Science = -0.421477; Cost = 7970.292852

Error during LHS execution class jess.JessException

Jess reported an error in routine Node1TECT.call

while executing rule LHS (TECT)

while executing (modify ?old (orbit-type ?x) (factHistory (str-cat "{R" (call ?\*rulesMap\* get MANIFEST::inherit-Mission-orbit-type-TO-Manifested-instrument) " " ?fh " S" (call ?sub getFactId) "}")))

while executing defrule MANIFEST::inherit-Mission-orbit-type-TO-Manifested-instrument.

Message: Error during LHS execution.

at jess.az.a(Unknown Source)

at jess.z.for(Unknown Source)

at jess.z.a(Unknown Source)

at jess.aw.a(Unknown Source)

at jess.aw.a(Unknown Source)

at jess.aw.if(Unknown Source)

at jess.aw.a(Unknown Source)

at jess.Rete.modify(Unknown Source)

at jess.ex.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.Defrule.a(Unknown Source)

at jess.Activation.a(Unknown Source)

at jess.en.a(Unknown Source)

at jess.en.a(Unknown Source)

at jess.Rete.if(Unknown Source)

at jess.Rete.run(Unknown Source)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.evaluatePerformance(AbstractArchitectureEvaluator.java:116)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:77)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:24)

at java.base/java.util.concurrent.FutureTask.run(FutureTask.java:264)

at java.base/java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1128)

at java.base/java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:628)

at java.base/java.lang.Thread.run(Thread.java:835)

Caused by: java.lang.ArrayIndexOutOfBoundsException: Index 150 out of bounds for length 150

at jess.fl.for(Unknown Source)

... 24 more

Jess reported an error in routine Node1TECT.call

while executing rule LHS (TECT)

while executing (modify ?miss (payload-peak-power# ?peak) (factHistory (str-cat "{R" (call ?\*rulesMap\* get MANIFEST::populate-payload-peak-power) " " ?fh "}")))

while executing defrule MANIFEST::populate-payload-peak-power

while executing (run).

Message: Error during LHS execution.

Program text: ( run ) at line 16981 in file <eval pipe>.

EXC in evaluateCost: class jess.JessException Error during LHS execution

Jess reported an error in routine Node1TECT.call

while executing rule LHS (TECT)

while executing (modify ?miss (payload-peak-power# ?peak) (factHistory (str-cat "{R" (call ?\*rulesMap\* get MANIFEST::populate-payload-peak-power) " " ?fh "}")))

while executing defrule MANIFEST::populate-payload-peak-power

while executing (run).

Message: Error during LHS execution.

Program text: ( run ) at line 16981 in file <eval pipe>.

at jess.az.a(Unknown Source)

at jess.z.for(Unknown Source)

at jess.z.a(Unknown Source)

at jess.aw.a(Unknown Source)

at jess.aw.a(Unknown Source)

at jess.aw.if(Unknown Source)

at jess.aw.a(Unknown Source)

at jess.Rete.modify(Unknown Source)

at jess.ex.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.Defrule.a(Unknown Source)

at jess.Activation.a(Unknown Source)

at jess.en.a(Unknown Source)

at jess.en.a(Unknown Source)

at jess.Rete.if(Unknown Source)

at jess.al.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.Jesp.a(Unknown Source)

at jess.Jesp.parseExpression(Unknown Source)

at jess.Jesp.promptAndParseOneExpression(Unknown Source)

at jess.Jesp.parse(Unknown Source)

at jess.Rete.eval(Unknown Source)

at jess.Rete.eval(Unknown Source)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.evaluateCost(AbstractArchitectureEvaluator.java:395)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:84)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:24)

at java.base/java.util.concurrent.FutureTask.run(FutureTask.java:264)

at java.base/java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1128)

at java.base/java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:628)

at java.base/java.lang.Thread.run(Thread.java:835)

Caused by: java.lang.ArrayIndexOutOfBoundsException

5162: Arch 0.0,0,0,0,1,0,1,1,0,1,1,0,0,0,0,0,0,1,0,0,0,0,0,1,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,1,1,1,1,1 Science = -0.000000; Cost = 0.000000

Index 0 out of bounds for length 0 class java.lang.IndexOutOfBoundsException

java.lang.IndexOutOfBoundsException: Index 0 out of bounds for length 0

at java.base/jdk.internal.util.Preconditions.outOfBounds(Preconditions.java:64)

at java.base/jdk.internal.util.Preconditions.outOfBoundsCheckIndex(Preconditions.java:70)

at java.base/jdk.internal.util.Preconditions.checkIndex(Preconditions.java:248)

at java.base/java.util.Objects.checkIndex(Objects.java:372)

at java.base/java.util.ArrayList.get(ArrayList.java:458)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.aggregate\_performance\_score\_facts(AbstractArchitectureEvaluator.java:314)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.evaluatePerformance(AbstractArchitectureEvaluator.java:277)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:77)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:24)

at java.base/java.util.concurrent.FutureTask.run(FutureTask.java:264)

at java.base/java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1128)

at java.base/java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:628)

at java.base/java.lang.Thread.run(Thread.java:835)

EXC in evaluateCost: class jess.JessException No such variable dV

Jess reported an error in routine Context.getVariable

while executing (foreach ?xxx $?argv (if (eq ?xxx nil) then (bind ?xxx 0)))

while executing advice

while executing (\* ?life ?dV)

while executing (modify ?miss (delta-V-ADCS (\* ?life ?dV)) (factHistory (str-cat "{R" (call ?\*rulesMap\* get MASS-BUDGET::compute-deltaV-ADCS) " " ?fh "}")))

while executing defrule MASS-BUDGET::compute-deltaV-ADCS

while executing (run).

Message: No such variable dV.

Program text: ( run ) at line 17087 in file <eval pipe>.

at jess.Context.a(Unknown Source)

at jess.Context.getVariable(Unknown Source)

at jess.Variable.resolveValue(Unknown Source)

at jess.cu.a(Unknown Source)

at jess.cu.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.FuncallValue.resolveValue(Unknown Source)

at jess.eo.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.FuncallValue.resolveValue(Unknown Source)

at jess.ee.a(Unknown Source)

at jess.ex.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.Defrule.a(Unknown Source)

at jess.Activation.a(Unknown Source)

at jess.en.a(Unknown Source)

at jess.en.a(Unknown Source)

at jess.Rete.if(Unknown Source)

at jess.al.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.Jesp.a(Unknown Source)

at jess.Jesp.parseExpression(Unknown Source)

at jess.Jesp.promptAndParseOneExpression(Unknown Source)

at jess.Jesp.parse(Unknown Source)

at jess.Rete.eval(Unknown Source)

at jess.Rete.eval(Unknown Source)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.designSpacecraft(AbstractArchitectureEvaluator.java:462)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.evaluateCost(AbstractArchitectureEvaluator.java:397)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:84)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:24)

at java.base/java.util.concurrent.FutureTask.run(FutureTask.java:264)

at java.base/java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1128)

at java.base/java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:628)

at java.base/java.lang.Thread.run(Thread.java:835)

Jess reported an error in routine Context.getVariable

Jess reported an error in routine Context.getVariable

while executing (foreach ?xxx $?argv (if (eq ?xxx nil) then (bind ?xxx 0)))

while executing advice

while executing (\* ?life ?dV)

while executing (modify ?miss (delta-V-ADCS (\* ?life ?dV)) (factHistory (str-cat "{R" (call ?\*rulesMap\* get MASS-BUDGET::compute-deltaV-ADCS) " " ?fh "}")))

while executing defrule MASS-BUDGET::compute-deltaV-ADCS

while executing (run).

Message: No such variable dV.

while executing (foreach ?xxx $?argv (if (eq ?xxx nil) then (bind ?xxx 0)))

while executing advice

while executing (\* ?life ?dV)

while executing (modify ?miss (delta-V-ADCS (\* ?life ?dV)) (factHistory (str-cat "{R" (call ?\*rulesMap\* get MASS-BUDGET::compute-deltaV-ADCS) " " ?fh "}")))

while executing defrule MASS-BUDGET::compute-deltaV-ADCS

while executing (run).

Message: No such variable dV.

Program text: ( run ) at line 17087 in file <eval pipe>.

EXC in evaluateCost: class jess.JessException No such variable dV

Program text: ( run ) at line 17087 in file <eval pipe>.

at jess.Context.a(Unknown Source)

at jess.Context.getVariable(Unknown Source)

at jess.Variable.resolveValue(Unknown Source)

at jess.cu.a(Unknown Source)

at jess.cu.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.FuncallValue.resolveValue(Unknown Source)

at jess.eo.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.FuncallValue.resolveValue(Unknown Source)

at jess.ee.a(Unknown Source)

at jess.ex.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.Defrule.a(Unknown Source)

at jess.Activation.a(Unknown Source)

at jess.en.a(Unknown Source)

at jess.en.a(Unknown Source)

at jess.Rete.if(Unknown Source)

at jess.al.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.Jesp.a(Unknown Source)

at jess.Jesp.parseExpression(Unknown Source)

at jess.Jesp.promptAndParseOneExpression(Unknown Source)

at jess.Jesp.parse(Unknown Source)

at jess.Rete.eval(Unknown Source)

at jess.Rete.eval(Unknown Source)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.evaluateCost(AbstractArchitectureEvaluator.java:399)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:84)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:24)

at java.base/java.util.concurrent.FutureTask.run(FutureTask.java:264)

at java.base/java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1128)

at java.base/java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:628)

at java.base/java.lang.Thread.run(Thread.java:835)

5163: Arch 0.0,0,0,0,1,1,1,0,0,1,1,0,1,0,0,0,0,1,0,0,1,0,0,1,0,0,0,0,0,0,0,0,0,0,0,1,1,0,1,0,0,0,1,0,0,0,0,0,0,1,1,0,1,1,0,0,1,1,1,1,0 Science = -0.000000; Cost = 0.000000

Index 0 out of bounds for length 0 class java.lang.IndexOutOfBoundsException

java.lang.IndexOutOfBoundsException: Index 0 out of bounds for length 0

at java.base/jdk.internal.util.Preconditions.outOfBounds(Preconditions.java:64)

at java.base/jdk.internal.util.Preconditions.outOfBoundsCheckIndex(Preconditions.java:70)

at java.base/jdk.internal.util.Preconditions.checkIndex(Preconditions.java:248)

at java.base/java.util.Objects.checkIndex(Objects.java:372)

at java.base/java.util.ArrayList.get(ArrayList.java:458)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.aggregate\_performance\_score\_facts(AbstractArchitectureEvaluator.java:314)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.evaluatePerformance(AbstractArchitectureEvaluator.java:277)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:77)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:24)

at java.base/java.util.concurrent.FutureTask.run(FutureTask.java:264)

at java.base/java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1128)

at java.base/java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:628)

at java.base/java.lang.Thread.run(Thread.java:835)

Jess reported an error in routine Context.getVariable

EXC in evaluateCost: class jess.JessException No such variable dV

while executing (foreach ?xxx $?argv (if (eq ?xxx nil) then (bind ?xxx 0)))

while executing advice

while executing (\* ?life ?dV)

while executing (modify ?miss (delta-V-ADCS (\* ?life ?dV)) (factHistory (str-cat "{R" (call ?\*rulesMap\* get MASS-BUDGET::compute-deltaV-ADCS) " " ?fh "}")))

while executing defrule MASS-BUDGET::compute-deltaV-ADCS

while executing (run).

Message: No such variable dV.

Program text: ( run ) at line 17087 in file <eval pipe>.

at jess.Context.a(Unknown Source)

at jess.Context.getVariable(Unknown Source)

at jess.Variable.resolveValue(Unknown Source)

at jess.cu.a(Unknown Source)

at jess.cu.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.FuncallValue.resolveValue(Unknown Source)

at jess.eo.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.FuncallValue.resolveValue(Unknown Source)

at jess.ee.a(Unknown Source)

at jess.ex.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.Defrule.a(Unknown Source)

at jess.Activation.a(Unknown Source)

at jess.en.a(Unknown Source)

at jess.en.a(Unknown Source)

at jess.Rete.if(Unknown Source)

at jess.al.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.Jesp.a(Unknown Source)

at jess.Jesp.parseExpression(Unknown Source)

at jess.Jesp.promptAndParseOneExpression(Unknown Source)

at jess.Jesp.parse(Unknown Source)

at jess.Rete.eval(Unknown Source)

at jess.Rete.eval(Unknown Source)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.designSpacecraft(AbstractArchitectureEvaluator.java:462)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.evaluateCost(AbstractArchitectureEvaluator.java:397)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:84)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:24)

at java.base/java.util.concurrent.FutureTask.run(FutureTask.java:264)

at java.base/java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1128)

at java.base/java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:628)

at java.base/java.lang.Thread.run(Thread.java:835)

Jess reported an error in routine Context.getVariable

while executing (foreach ?xxx $?argv (if (eq ?xxx nil) then (bind ?xxx 0)))

while executing advice

Jess reported an error in routine Context.getVariable

while executing (\* ?life ?dV)

while executing (modify ?miss (delta-V-ADCS (\* ?life ?dV)) (factHistory (str-cat "{R" (call ?\*rulesMap\* get MASS-BUDGET::compute-deltaV-ADCS) " " ?fh "}")))

while executing defrule MASS-BUDGET::compute-deltaV-ADCS

while executing (run).

Message: No such variable dV.

while executing (foreach ?xxx $?argv (if (eq ?xxx nil) then (bind ?xxx 0)))

while executing advice

while executing (\* ?life ?dV)

Program text: ( run ) at line 17087 in file <eval pipe>.

at jess.Context.a(Unknown Source)

at jess.Context.getVariable(Unknown Source)

at jess.Variable.resolveValue(Unknown Source)

at jess.cu.a(Unknown Source)

at jess.cu.call(Unknown Source)

at jess.ac.a(Unknown Source)

while executing (modify ?miss (delta-V-ADCS (\* ?life ?dV)) (factHistory (str-cat "{R" (call ?\*rulesMap\* get MASS-BUDGET::compute-deltaV-ADCS) " " ?fh "}")))

at jess.Funcall.execute(Unknown Source)

at jess.FuncallValue.resolveValue(Unknown Source)

at jess.eo.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.FuncallValue.resolveValue(Unknown Source)

at jess.ee.a(Unknown Source)

at jess.ex.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.Defrule.a(Unknown Source)

at jess.Activation.a(Unknown Source)

at jess.en.a(Unknown Source)

at jess.en.a(Unknown Source)

at jess.Rete.if(Unknown Source)

at jess.al.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.Jesp.a(Unknown Source)

at jess.Jesp.parseExpression(Unknown Source)

at jess.Jesp.promptAndParseOneExpression(Unknown Source)

at jess.Jesp.parse(Unknown Source)

while executing defrule MASS-BUDGET::compute-deltaV-ADCS

while executing (run).

Message: No such variable dV.

Program text: ( run ) at line 17087 in file <eval pipe>.

EXC in evaluateCost: class jess.JessException No such variable dV

at jess.Rete.eval(Unknown Source)

at jess.Rete.eval(Unknown Source)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.evaluateCost(AbstractArchitectureEvaluator.java:399)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:84)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:24)

at java.base/java.util.concurrent.FutureTask.run(FutureTask.java:264)

at java.base/java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1128)

at java.base/java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:628)

at java.base/java.lang.Thread.run(Thread.java:835)

5164: Arch 0.0,0,0,0,1,0,0,1,0,1,0,0,1,0,0,0,0,1,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,1,1,0,1,1,0,0,1,1,1,1,1 Science = -0.000000; Cost = 0.000000

Index 0 out of bounds for length 0 class java.lang.IndexOutOfBoundsException

java.lang.IndexOutOfBoundsException: Index 0 out of bounds for length 0

at java.base/jdk.internal.util.Preconditions.outOfBounds(Preconditions.java:64)

at java.base/jdk.internal.util.Preconditions.outOfBoundsCheckIndex(Preconditions.java:70)

at java.base/jdk.internal.util.Preconditions.checkIndex(Preconditions.java:248)

at java.base/java.util.Objects.checkIndex(Objects.java:372)

at java.base/java.util.ArrayList.get(ArrayList.java:458)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.aggregate\_performance\_score\_facts(AbstractArchitectureEvaluator.java:314)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.evaluatePerformance(AbstractArchitectureEvaluator.java:277)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:77)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:24)

at java.base/java.util.concurrent.FutureTask.run(FutureTask.java:264)

at java.base/java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1128)

at java.base/java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:628)

at java.base/java.lang.Thread.run(Thread.java:835)

EXC in evaluateCost: class jess.JessException No such variable dV

Jess reported an error in routine Context.getVariable

while executing (foreach ?xxx $?argv (if (eq ?xxx nil) then (bind ?xxx 0)))

while executing advice

while executing (\* ?life ?dV)

while executing (modify ?miss (delta-V-ADCS (\* ?life ?dV)) (factHistory (str-cat "{R" (call ?\*rulesMap\* get MASS-BUDGET::compute-deltaV-ADCS) " " ?fh "}")))

while executing defrule MASS-BUDGET::compute-deltaV-ADCS

while executing (run).

Message: No such variable dV.

Program text: ( run ) at line 17087 in file <eval pipe>.

at jess.Context.a(Unknown Source)

at jess.Context.getVariable(Unknown Source)

at jess.Variable.resolveValue(Unknown Source)

at jess.cu.a(Unknown Source)

at jess.cu.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.FuncallValue.resolveValue(Unknown Source)

at jess.eo.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.FuncallValue.resolveValue(Unknown Source)

at jess.ee.a(Unknown Source)

at jess.ex.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.Defrule.a(Unknown Source)

at jess.Activation.a(Unknown Source)

at jess.en.a(Unknown Source)

at jess.en.a(Unknown Source)

at jess.Rete.if(Unknown Source)

at jess.al.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.Jesp.a(Unknown Source)

at jess.Jesp.parseExpression(Unknown Source)

at jess.Jesp.promptAndParseOneExpression(Unknown Source)

at jess.Jesp.parse(Unknown Source)

at jess.Rete.eval(Unknown Source)

at jess.Rete.eval(Unknown Source)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.designSpacecraft(AbstractArchitectureEvaluator.java:462)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.evaluateCost(AbstractArchitectureEvaluator.java:397)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:84)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:24)

at java.base/java.util.concurrent.FutureTask.run(FutureTask.java:264)

at java.base/java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1128)

at java.base/java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:628)

at java.base/java.lang.Thread.run(Thread.java:835)

Jess reported an error in routine Context.getVariable

while executing (foreach ?xxx $?argv (if (eq ?xxx nil) then (bind ?xxx 0)))

while executing advice

Jess reported an error in routine Context.getVariable

while executing (foreach ?xxx $?argv (if (eq ?xxx nil) then (bind ?xxx 0)))

while executing advice

while executing (\* ?life ?dV)

while executing (modify ?miss (delta-V-ADCS (\* ?life ?dV)) (factHistory (str-cat "{R" (call ?\*rulesMap\* get MASS-BUDGET::compute-deltaV-ADCS) " " ?fh "}")))

while executing defrule MASS-BUDGET::compute-deltaV-ADCS

while executing (run).

Message: No such variable dV.

while executing (\* ?life ?dV)

Program text: ( run ) at line 17087 in file <eval pipe>.

at jess.Context.a(Unknown Source)

at jess.Context.getVariable(Unknown Source)

at jess.Variable.resolveValue(Unknown Source)

at jess.cu.a(Unknown Source)

at jess.cu.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.FuncallValue.resolveValue(Unknown Source)

at jess.eo.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.FuncallValue.resolveValue(Unknown Source)

at jess.ee.a(Unknown Source)

at jess.ex.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.Defrule.a(Unknown Source)

at jess.Activation.a(Unknown Source)

at jess.en.a(Unknown Source)

at jess.en.a(Unknown Source)

at jess.Rete.if(Unknown Source)

at jess.al.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.Jesp.a(Unknown Source)

at jess.Jesp.parseExpression(Unknown Source)

at jess.Jesp.promptAndParseOneExpression(Unknown Source)

at jess.Jesp.parse(Unknown Source)

at jess.Rete.eval(Unknown Source)

at jess.Rete.eval(Unknown Source)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.evaluateCost(AbstractArchitectureEvaluator.java:399)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:84)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:24)

at java.base/java.util.concurrent.FutureTask.run(FutureTask.java:264)

at java.base/java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1128)

at java.base/java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:628)

at java.base/java.lang.Thread.run(Thread.java:835)

while executing (modify ?miss (delta-V-ADCS (\* ?life ?dV)) (factHistory (str-cat "{R" (call ?\*rulesMap\* get MASS-BUDGET::compute-deltaV-ADCS) " " ?fh "}")))

while executing defrule MASS-BUDGET::compute-deltaV-ADCS

while executing (run).

Message: No such variable dV.

Program text: ( run ) at line 17087 in file <eval pipe>.

EXC in evaluateCost: class jess.JessException No such variable dV

5165: Arch 0.0,1,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,1,0,0,1,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,1,1,0,1,1,0,0,1,1,1,1,0 Science = -0.000000; Cost = 0.000000

Index 0 out of bounds for length 0 class java.lang.IndexOutOfBoundsException

java.lang.IndexOutOfBoundsException: Index 0 out of bounds for length 0

at java.base/jdk.internal.util.Preconditions.outOfBounds(Preconditions.java:64)

at java.base/jdk.internal.util.Preconditions.outOfBoundsCheckIndex(Preconditions.java:70)

at java.base/jdk.internal.util.Preconditions.checkIndex(Preconditions.java:248)

at java.base/java.util.Objects.checkIndex(Objects.java:372)

at java.base/java.util.ArrayList.get(ArrayList.java:458)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.aggregate\_performance\_score\_facts(AbstractArchitectureEvaluator.java:314)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.evaluatePerformance(AbstractArchitectureEvaluator.java:277)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:77)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:24)

at java.base/java.util.concurrent.FutureTask.run(FutureTask.java:264)

at java.base/java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1128)

at java.base/java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:628)

at java.base/java.lang.Thread.run(Thread.java:835)

EXC in evaluateCost: class jess.JessException No such variable dV

Jess reported an error in routine Context.getVariable

while executing (foreach ?xxx $?argv (if (eq ?xxx nil) then (bind ?xxx 0)))

while executing advice

while executing (\* ?life ?dV)

while executing (modify ?miss (delta-V-ADCS (\* ?life ?dV)) (factHistory (str-cat "{R" (call ?\*rulesMap\* get MASS-BUDGET::compute-deltaV-ADCS) " " ?fh "}")))

while executing defrule MASS-BUDGET::compute-deltaV-ADCS

while executing (run).

Message: No such variable dV.

Program text: ( run ) at line 17087 in file <eval pipe>.

at jess.Context.a(Unknown Source)

at jess.Context.getVariable(Unknown Source)

at jess.Variable.resolveValue(Unknown Source)

at jess.cu.a(Unknown Source)

at jess.cu.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.FuncallValue.resolveValue(Unknown Source)

at jess.eo.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.FuncallValue.resolveValue(Unknown Source)

at jess.ee.a(Unknown Source)

at jess.ex.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.Defrule.a(Unknown Source)

at jess.Activation.a(Unknown Source)

at jess.en.a(Unknown Source)

at jess.en.a(Unknown Source)

at jess.Rete.if(Unknown Source)

at jess.al.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.Jesp.a(Unknown Source)

at jess.Jesp.parseExpression(Unknown Source)

at jess.Jesp.promptAndParseOneExpression(Unknown Source)

at jess.Jesp.parse(Unknown Source)

at jess.Rete.eval(Unknown Source)

at jess.Rete.eval(Unknown Source)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.designSpacecraft(AbstractArchitectureEvaluator.java:462)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.evaluateCost(AbstractArchitectureEvaluator.java:397)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:84)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:24)

at java.base/java.util.concurrent.FutureTask.run(FutureTask.java:264)

at java.base/java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1128)

at java.base/java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:628)

at java.base/java.lang.Thread.run(Thread.java:835)

Jess reported an error in routine Context.getVariable

Jess reported an error in routine Context.getVariable

while executing (foreach ?xxx $?argv (if (eq ?xxx nil) then (bind ?xxx 0)))

while executing advice

while executing (\* ?life ?dV)

while executing (modify ?miss (delta-V-ADCS (\* ?life ?dV)) (factHistory (str-cat "{R" (call ?\*rulesMap\* get MASS-BUDGET::compute-deltaV-ADCS) " " ?fh "}")))

while executing defrule MASS-BUDGET::compute-deltaV-ADCS

while executing (run).

Message: No such variable dV.

Program text: ( run ) at line 17087 in file <eval pipe>.

EXC in evaluateCost: class jess.JessException No such variable dV

while executing (foreach ?xxx $?argv (if (eq ?xxx nil) then (bind ?xxx 0)))

while executing advice

while executing (\* ?life ?dV)

while executing (modify ?miss (delta-V-ADCS (\* ?life ?dV)) (factHistory (str-cat "{R" (call ?\*rulesMap\* get MASS-BUDGET::compute-deltaV-ADCS) " " ?fh "}")))

while executing defrule MASS-BUDGET::compute-deltaV-ADCS

while executing (run).

Message: No such variable dV.

Program text: ( run ) at line 17087 in file <eval pipe>.

at jess.Context.a(Unknown Source)

at jess.Context.getVariable(Unknown Source)

at jess.Variable.resolveValue(Unknown Source)

at jess.cu.a(Unknown Source)

at jess.cu.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.FuncallValue.resolveValue(Unknown Source)

at jess.eo.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.FuncallValue.resolveValue(Unknown Source)

at jess.ee.a(Unknown Source)

at jess.ex.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.Defrule.a(Unknown Source)

at jess.Activation.a(Unknown Source)

at jess.en.a(Unknown Source)

at jess.en.a(Unknown Source)

at jess.Rete.if(Unknown Source)

at jess.al.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.Jesp.a(Unknown Source)

at jess.Jesp.parseExpression(Unknown Source)

at jess.Jesp.promptAndParseOneExpression(Unknown Source)

at jess.Jesp.parse(Unknown Source)

at jess.Rete.eval(Unknown Source)

at jess.Rete.eval(Unknown Source)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.evaluateCost(AbstractArchitectureEvaluator.java:399)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:84)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:24)

at java.base/java.util.concurrent.FutureTask.run(FutureTask.java:264)

at java.base/java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1128)

at java.base/java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:628)

at java.base/java.lang.Thread.run(Thread.java:835)

5166: Arch 0.0,1,1,1,0,0,0,1,1,0,0,0,0,0,0,0,0,1,0,0,0,1,0,1,0,0,1,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,1,0,0,0,0,0,0,1,0,0,0,0,1,0,1,1,1,1,0 Science = -0.000000; Cost = 0.000000

Error during LHS execution class jess.JessException

Jess reported an error in routine Node1TECT.call

while executing rule LHS (TECT)

while executing (assert (CAPABILITIES::Manifested-instrument (Accuracy nil) (Accuracy# nil) (Accuracy2 nil) (ADCS-requirements nil) (All-weather nil) (Angular-resolution# nil) (Angular-resolution-azimuth# nil) (Angular-resolution-elevation# nil) (Aperture# nil) (Aperture-azimuth# nil) (Aperture-elevation# nil) (average-data-rate# nil) (average-power# nil) (avg-revisit-time-cold-regions# nil) (avg-revisit-time-global# nil) (avg-revisit-time-northern-hemisphere# nil) (avg-revisit-time-southern-hemisphere# nil) (avg-revisit-time-tropics# nil) (avg-revisit-time-US# nil) (band nil) (bandwidth# nil) (baseline# nil) (characteristic-orbit nil) (characteristic-power# nil) (Concept nil) (cost nil) (cost# nil) (Coverage-of-region-of-interest nil) (data-rate-duty-cycle# 1.0) (Day-Night nil) (developed-by nil) (dimension-x# nil) (dimension-y# nil) (dimension-z# nil) (Doppler nil) (duty-cycle# 1.0) (Field-of-regard# nil) (Field-of-view# nil) (Field-of-view-azimuth# nil) (Field-of-view-elevation# nil) (flies-in ?name) (focal-length# nil) (frequency# nil) (Geometry nil) (has-deployment-mechanism nil) (High-lat-sensitivity nil) (Horizontal-Spatial-Resolution nil) (Horizontal-Spatial-Resolution# nil) (Horizontal-Spatial-Resolution2 nil) (Horizontal-Spatial-Resolution-Along-track nil) (Horizontal-Spatial-Resolution-Along-track# nil) (Horizontal-Spatial-Resolution-Cross-track nil) (Horizontal-Spatial-Resolution-Cross-track# nil) (Id nil) (Illumination nil) (image-distortion# nil) (Imaging nil) (Intent nil) (Interferometry nil) (launch-date nil) (lifetime nil) (mass# nil) (measurement-ids ) (mission-architecture ?arch) (Name ?x) (number-of-looks# nil) (num-of-C-band-channels nil) (num-of-Ka-band-channels nil) (num-of-Ku-band-channels nil) (num-of-L-band-channels nil) (num-of-mmwave-band-channels nil) (num-of-NIR-channels nil) (num-of-planes# ?nplanes) (num-of-sats-per-plane# ?nsats) (num-of-SWIR-channels nil) (num-of-TIR-channels nil) (num-of-UV-channels nil) (num-of-VNIR-channels nil) (num-of-X-band-channels nil) (num-pixels# nil) (num-pixels-along-track# nil) (num-pixels-cross-track# nil) (off-axis-angle-plus-minus# nil) (On-board-calibration nil) (orbit-altitude# ?h) (orbit-anomaly# nil) (orbit-inclination ?inc) (orbit-RAAN nil) (orbit-string nil) (orbit-type nil) (peak-data-rate# nil) (peak-power# nil) (Penetration nil) (Pointing-capability nil) (Pointing-requirements nil) (Polarimetry nil) (power-duty-cycle# 1.0) (Priority nil) (Pulse-repetition-frequency# nil) (Radiometric-accuracy nil) (Radiometric-accuracy# nil) (range-resolution# nil) (rms-system-instrument# nil) (rms-system-tides# nil) (rms-variable-measurement# nil) (scanning nil) (scanning-angle-plus-minus# nil) (sensitivity# nil) (sensitivity-dBZ# nil) (sensitivity-in-cirrus nil) (sensitivity-in-convective-clouds nil) (sensitivity-in-low-troposphere-PBL nil) (sensitivity-in-upper-stratosphere nil) (sensitivity-in-upper-troposphere-and-stratosphere nil) (sensitivity-NEDT# nil) (sensitivity-over-lands nil) (sensitivity-over-oceans nil) (soil-penetration# nil) (spectral-bands ) (Spectral-region nil) (Spectral-resolution nil) (Spectral-resolution# nil) (Spectral-sampling nil) (Swath nil) (Swath# nil) (Swath2 nil) (Technology-Readiness-Level nil) (Temporal-resolution nil) (Temporal-resolution# nil) (Thermal-control nil) (ThreeD nil) (Vertical-Spatial-Resolution nil) (Vertical-Spatial-Resolution# nil) (factHistory (str-cat "{R" (call ?\*rulesMap\* get MANIFEST2::assert-manifested-instruments) " A" (call ?miss getFactId) "}"))))

while executing (foreach ?x $?list-of-instruments (assert (CAPABILITIES::Manifested-instrument (Accuracy nil) (Accuracy# nil) (Accuracy2 nil) (ADCS-requirements nil) (All-weather nil) (Angular-resolution# nil) (Angular-resolution-azimuth# nil) (Angular-resolution-elevation# nil) (Aperture# nil) (Aperture-azimuth# nil) (Aperture-elevation# nil) (average-data-rate# nil) (average-power# nil) (avg-revisit-time-cold-regions# nil) (avg-revisit-time-global# nil) (avg-revisit-time-northern-hemisphere# nil) (avg-revisit-time-southern-hemisphere# nil) (avg-revisit-time-tropics# nil) (avg-revisit-time-US# nil) (band nil) (bandwidth# nil) (baseline# nil) (characteristic-orbit nil) (characteristic-power# nil) (Concept nil) (cost nil) (cost# nil) (Coverage-of-region-of-interest nil) (data-rate-duty-cycle# 1.0) (Day-Night nil) (developed-by nil) (dimension-x# nil) (dimension-y# nil) (dimension-z# nil) (Doppler nil) (duty-cycle# 1.0) (Field-of-regard# nil) (Field-of-view# nil) (Field-of-view-azimuth# nil) (Field-of-view-elevation# nil) (flies-in ?name) (focal-length# nil) (frequency# nil) (Geometry nil) (has-deployment-mechanism nil) (High-lat-sensitivity nil) (Horizontal-Spatial-Resolution nil) (Horizontal-Spatial-Resolution# nil) (Horizontal-Spatial-Resolution2 nil) (Horizontal-Spatial-Resolution-Along-track nil) (Horizontal-Spatial-Resolution-Along-track# nil) (Horizontal-Spatial-Resolution-Cross-track nil) (Horizontal-Spatial-Resolution-Cross-track# nil) (Id nil) (Illumination nil) (image-distortion# nil) (Imaging nil) (Intent nil) (Interferometry nil) (launch-date nil) (lifetime nil) (mass# nil) (measurement-ids ) (mission-architecture ?arch) (Name ?x) (number-of-looks# nil) (num-of-C-band-channels nil) (num-of-Ka-band-channels nil) (num-of-Ku-band-channels nil) (num-of-L-band-channels nil) (num-of-mmwave-band-channels nil) (num-of-NIR-channels nil) (num-of-planes# ?nplanes) (num-of-sats-per-plane# ?nsats) (num-of-SWIR-channels nil) (num-of-TIR-channels nil) (num-of-UV-channels nil) (num-of-VNIR-channels nil) (num-of-X-band-channels nil) (num-pixels# nil) (num-pixels-along-track# nil) (num-pixels-cross-track# nil) (off-axis-angle-plus-minus# nil) (On-board-calibration nil) (orbit-altitude# ?h) (orbit-anomaly# nil) (orbit-inclination ?inc) (orbit-RAAN nil) (orbit-string nil) (orbit-type nil) (peak-data-rate# nil) (peak-power# nil) (Penetration nil) (Pointing-capability nil) (Pointing-requirements nil) (Polarimetry nil) (power-duty-cycle# 1.0) (Priority nil) (Pulse-repetition-frequency# nil) (Radiometric-accuracy nil) (Radiometric-accuracy# nil) (range-resolution# nil) (rms-system-instrument# nil) (rms-system-tides# nil) (rms-variable-measurement# nil) (scanning nil) (scanning-angle-plus-minus# nil) (sensitivity# nil) (sensitivity-dBZ# nil) (sensitivity-in-cirrus nil) (sensitivity-in-convective-clouds nil) (sensitivity-in-low-troposphere-PBL nil) (sensitivity-in-upper-stratosphere nil) (sensitivity-in-upper-troposphere-and-stratosphere nil) (sensitivity-NEDT# nil) (sensitivity-over-lands nil) (sensitivity-over-oceans nil) (soil-penetration# nil) (spectral-bands ) (Spectral-region nil) (Spectral-resolution nil) (Spectral-resolution# nil) (Spectral-sampling nil) (Swath nil) (Swath# nil) (Swath2 nil) (Technology-Readiness-Level nil) (Temporal-resolution nil) (Temporal-resolution# nil) (Thermal-control nil) (ThreeD nil) (Vertical-Spatial-Resolution nil) (Vertical-Spatial-Resolution# nil) (factHistory (str-cat "{R" (call ?\*rulesMap\* get MANIFEST2::assert-manifested-instruments) " A" (call ?miss getFactId) "}")))))

while executing defrule MANIFEST0::assert-manifested-instruments.

Message: Error during LHS execution.

at jess.az.a(Unknown Source)

at jess.z.for(Unknown Source)

at jess.z.a(Unknown Source)

at jess.aw.a(Unknown Source)

at jess.aw.a(Unknown Source)

at jess.aw.if(Unknown Source)

at jess.Rete.assertFact(Unknown Source)

at jess.cr$e.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.FuncallValue.resolveValue(Unknown Source)

at jess.cu.a(Unknown Source)

at jess.cu.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.Defrule.a(Unknown Source)

at jess.Activation.a(Unknown Source)

at jess.en.a(Unknown Source)

at jess.en.a(Unknown Source)

at jess.Rete.if(Unknown Source)

at jess.Rete.run(Unknown Source)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.evaluatePerformance(AbstractArchitectureEvaluator.java:113)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:77)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:24)

at java.base/java.util.concurrent.FutureTask.run(FutureTask.java:264)

at java.base/java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1128)

at java.base/java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:628)

at java.base/java.lang.Thread.run(Thread.java:835)

Caused by: java.lang.ArrayIndexOutOfBoundsException

EXC in evaluateCost: class jess.JessException No such variable dV

Jess reported an error in routine Context.getVariable

while executing (foreach ?xxx $?argv (if (eq ?xxx nil) then (bind ?xxx 0)))

while executing advice

while executing (\* ?life ?dV)

while executing (modify ?miss (delta-V-ADCS (\* ?life ?dV)) (factHistory (str-cat "{R" (call ?\*rulesMap\* get MASS-BUDGET::compute-deltaV-ADCS) " " ?fh "}")))

while executing defrule MASS-BUDGET::compute-deltaV-ADCS

while executing (run).

Message: No such variable dV.

Program text: ( run ) at line 17087 in file <eval pipe>.

at jess.Context.a(Unknown Source)

at jess.Context.getVariable(Unknown Source)

at jess.Variable.resolveValue(Unknown Source)

at jess.cu.a(Unknown Source)

at jess.cu.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.FuncallValue.resolveValue(Unknown Source)

at jess.eo.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.FuncallValue.resolveValue(Unknown Source)

at jess.ee.a(Unknown Source)

at jess.ex.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.Defrule.a(Unknown Source)

at jess.Activation.a(Unknown Source)

at jess.en.a(Unknown Source)

at jess.en.a(Unknown Source)

at jess.Rete.if(Unknown Source)

at jess.al.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.Jesp.a(Unknown Source)

at jess.Jesp.parseExpression(Unknown Source)

at jess.Jesp.promptAndParseOneExpression(Unknown Source)

at jess.Jesp.parse(Unknown Source)

at jess.Rete.eval(Unknown Source)

at jess.Rete.eval(Unknown Source)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.designSpacecraft(AbstractArchitectureEvaluator.java:462)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.evaluateCost(AbstractArchitectureEvaluator.java:397)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:84)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:24)

at java.base/java.util.concurrent.FutureTask.run(FutureTask.java:264)

at java.base/java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1128)

at java.base/java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:628)

at java.base/java.lang.Thread.run(Thread.java:835)

Jess reported an error in routine Context.getVariable

Jess reported an error in routine Context.getVariable

while executing (foreach ?xxx $?argv (if (eq ?xxx nil) then (bind ?xxx 0)))

while executing (foreach ?xxx $?argv (if (eq ?xxx nil) then (bind ?xxx 0)))

while executing advice

while executing advice

while executing (\* ?life ?dV)

while executing (\* ?life ?dV)

while executing (modify ?miss (delta-V-ADCS (\* ?life ?dV)) (factHistory (str-cat "{R" (call ?\*rulesMap\* get MASS-BUDGET::compute-deltaV-ADCS) " " ?fh "}")))

while executing (modify ?miss (delta-V-ADCS (\* ?life ?dV)) (factHistory (str-cat "{R" (call ?\*rulesMap\* get MASS-BUDGET::compute-deltaV-ADCS) " " ?fh "}")))

while executing defrule MASS-BUDGET::compute-deltaV-ADCS

while executing defrule MASS-BUDGET::compute-deltaV-ADCS

while executing (run).

while executing (run).

Message: No such variable dV.

Message: No such variable dV.

Program text: ( run ) at line 17087 in file <eval pipe>.

EXC in evaluateCost: class jess.JessException No such variable dV

Program text: ( run ) at line 17087 in file <eval pipe>.

at jess.Context.a(Unknown Source)

at jess.Context.getVariable(Unknown Source)

at jess.Variable.resolveValue(Unknown Source)

at jess.cu.a(Unknown Source)

at jess.cu.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.FuncallValue.resolveValue(Unknown Source)

at jess.eo.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.FuncallValue.resolveValue(Unknown Source)

at jess.ee.a(Unknown Source)

at jess.ex.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.Defrule.a(Unknown Source)

at jess.Activation.a(Unknown Source)

at jess.en.a(Unknown Source)

at jess.en.a(Unknown Source)

at jess.Rete.if(Unknown Source)

at jess.al.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.Jesp.a(Unknown Source)

at jess.Jesp.parseExpression(Unknown Source)

at jess.Jesp.promptAndParseOneExpression(Unknown Source)

at jess.Jesp.parse(Unknown Source)

at jess.Rete.eval(Unknown Source)

at jess.Rete.eval(Unknown Source)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.evaluateCost(AbstractArchitectureEvaluator.java:399)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:84)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:24)

at java.base/java.util.concurrent.FutureTask.run(FutureTask.java:264)

at java.base/java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1128)

at java.base/java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:628)

at java.base/java.lang.Thread.run(Thread.java:835)

5167: Arch 0.0,1,0,0,1,0,1,1,1,1,1,0,0,0,0,0,0,1,0,0,1,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,1,0,1,1,0,1,1,0,0,1,1,1,1,1 Science = -0.000000; Cost = 0.000000

Error during LHS execution class jess.JessException

Jess reported an error in routine Node1TECT.call

while executing rule LHS (TECT)

while executing (modify ?old (All-weather ?x) (factHistory (str-cat "{R" (call ?\*rulesMap\* get CAPABILITIES-GENERATE::inherit-Manifested-instrument-All-weather-TO-Measurement) " " ?fh " S" (call ?sub getFactId) "}")))

while executing defrule CAPABILITIES-GENERATE::inherit-Manifested-instrument-All-weather-TO-Measurement.

Message: Error during LHS execution.

at jess.az.a(Unknown Source)

at jess.z.for(Unknown Source)

at jess.z.a(Unknown Source)

at jess.aw.a(Unknown Source)

at jess.aw.a(Unknown Source)

at jess.aw.if(Unknown Source)

at jess.aw.a(Unknown Source)

at jess.Rete.modify(Unknown Source)

at jess.ex.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.Defrule.a(Unknown Source)

at jess.Activation.a(Unknown Source)

at jess.en.a(Unknown Source)

at jess.en.a(Unknown Source)

at jess.Rete.if(Unknown Source)

at jess.Rete.run(Unknown Source)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.evaluatePerformance(AbstractArchitectureEvaluator.java:125)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:77)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:24)

at java.base/java.util.concurrent.FutureTask.run(FutureTask.java:264)

at java.base/java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1128)

at java.base/java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:628)

at java.base/java.lang.Thread.run(Thread.java:835)

Caused by: java.lang.ArrayIndexOutOfBoundsException

Jess reported an error in routine modify

Jess reported an error in routine modify

while executing (modify ?m (avg-revisit-time-global# ?glob) (avg-revisit-time-tropics# ?trop) (avg-revisit-time-northern-hemisphere# ?nh) (avg-revisit-time-southern-hemisphere# ?sh) (avg-revisit-time-cold-regions# ?cold) (avg-revisit-time-US# ?us) (factHistory (str-cat "{R" (call ?\*rulesMap\* get MANIFEST::compute-revisit-time) " " ?fh1 " S" (call ?sub1 getFactId) " S" (call ?sub2 getFactId) "}")))

while executing (modify ?m (avg-revisit-time-global# ?glob) (avg-revisit-time-tropics# ?trop) (avg-revisit-time-northern-hemisphere# ?nh) (avg-revisit-time-southern-hemisphere# ?sh) (avg-revisit-time-cold-regions# ?cold) (avg-revisit-time-US# ?us) (factHistory (str-cat "{R" (call ?\*rulesMap\* get MANIFEST::compute-revisit-time) " " ?fh1 " S" (call ?sub1 getFactId) " S" (call ?sub2 getFactId) "}")))

while executing defrule MANIFEST::compute-revisit-time

while executing (run).

while executing defrule MANIFEST::compute-revisit-time

while executing (run).

Message: Fact object not in working memory (REQUIREMENTS::Measurement (Accuracy nil) (Accuracy# nil) (Accuracy2 nil) (All-weather yes) (avg-revisit-time-cold-regions# nil) (avg-revisit-time-global# nil) (avg-revisit-time-northern-hemisphere# nil) (avg-revisit-time-southern-hemisphere# nil) (avg-revisit-time-tropics# nil) (avg-revisit-time-US# nil) (band nil) (bias-calibration# nil) (cloud-cleared nil) (Continuity-over-time nil) (Coverage Global) (Coverage-of-region-of-interest nil) (data-rate-duty-cycle# 1.0) (Day-Night Day-and-night) (diurnal-cycle nil) (Field-of-view# 10) (flies-in SSO-600-SSO-DD) (Geometry slant) (High-lat-sensitivity Yes) (Horizontal-Spatial-Resolution nil) (Horizontal-Spatial-Resolution# 666.6666666666667) (Horizontal-Spatial-Resolution2 nil) (Horizontal-Spatial-Resolution-Along-track nil) (Horizontal-Spatial-Resolution-Along-track# nil) (Horizontal-Spatial-Resolution-Cross-track nil) (Horizontal-Spatial-Resolution-Cross-track# nil) (Id CNES\_KaRIN0) (Illumination Active) (image-distortion# nil) (Instrument CNES\_KaRIN) (launch-date 2015) (lifetime 5) (mission-architecture single\_arch) (num-of-indep-samples# nil) (num-of-planes# 1) (num-of-sats-per-plane# 1) (num-soundings-per-day# nil) (On-board-calibration Low) (orbit-altitude# 600) (orbit-anomaly# nil) (orbit-inclination SSO) (orbit-RAAN DD) (orbit-string SSO-600-SSO-DD) (orbit-type SSO) (Parameter "2.2.2 Hi-res topography") (Penetration Medium-other-MW) (Pointing-capability Low) (Polarimetry yes) (power-duty-cycle# 1.0) (Radiometric-accuracy nil) (Radiometric-accuracy# nil) (Region-of-interest nil) (rms-system-instrument# nil) (rms-system-POD# nil) (rms-system-tropoH2O# nil) (rms-system-tropo-dry# nil) (rms-system-ionosphere# nil) (rms-system-model# nil) (rms-variable-angular-sampling# nil) (rms-variable-measurement# nil) (rms-system-tides# nil) (rms-variable-time-sampling# nil) (rms-total# nil) (sensitivity# nil) (data-quantity-multiplier# nil) (sensitivity-in-cirrus nil) (sensitivity-in-convective-clouds nil) (sensitivity-in-high-winds nil) (sensitivity-in-low-troposphere-PBL nil) (sensitivity-in-rain nil) (sensitivity-in-upper-stratosphere nil) (sensitivity-in-upper-troposphere-and-stratosphere nil) (sensitivity-NEDT# nil) (sensitivity-over-lands nil) (sensitivity-over-oceans nil) (signal-to-noise-ratio# nil) (soil-penetration# nil) (spectral-bands ) (Spectral-region nil) (Spectral-resolution nil) (Spectral-resolution# nil) (Spectral-sampling nil) (Swath nil) (Swath# nil) (Swath2 nil) (synergy-level# nil) (taken-by CNES\_KaRIN) (Temporal-resolution nil) (Temporal-resolution# nil) (ThreeD nil) (Vertical-Spatial-Resolution nil) (Vertical-Spatial-Resolution# nil) (factHistory "{Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil A695 A953} S695} S695} S695} S695} S695} S695} S695} S695} S695} S695} S695} S695} S695} S695} S695} S695} S695} S695} S695} S695} S695}")).

Program text: ( run ) at line 17087 in file <eval pipe>.

at jess.aw.if(Unknown Source)

at jess.aw.a(Unknown Source)

at jess.Rete.modify(Unknown Source)

at jess.ex.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.Defrule.a(Unknown Source)

at jess.Activation.a(Unknown Source)

at jess.en.a(Unknown Source)

at jess.en.a(Unknown Source)

at jess.Rete.if(Unknown Source)

at jess.al.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.Jesp.a(Unknown Source)

at jess.Jesp.parseExpression(Unknown Source)

Message: Fact object not in working memory (REQUIREMENTS::Measurement (Accuracy nil) (Accuracy# nil) (Accuracy2 nil) (All-weather yes) (avg-revisit-time-cold-regions# nil) (avg-revisit-time-global# nil) (avg-revisit-time-northern-hemisphere# nil) (avg-revisit-time-southern-hemisphere# nil) (avg-revisit-time-tropics# nil) (avg-revisit-time-US# nil) (band nil) (bias-calibration# nil) (cloud-cleared nil) (Continuity-over-time nil) (Coverage Global) (Coverage-of-region-of-interest nil) (data-rate-duty-cycle# 1.0) (Day-Night Day-and-night) (diurnal-cycle nil) (Field-of-view# 10) (flies-in SSO-600-SSO-DD) (Geometry slant) (High-lat-sensitivity Yes) (Horizontal-Spatial-Resolution nil) (Horizontal-Spatial-Resolution# 666.6666666666667) (Horizontal-Spatial-Resolution2 nil) (Horizontal-Spatial-Resolution-Along-track nil) (Horizontal-Spatial-Resolution-Along-track# nil) (Horizontal-Spatial-Resolution-Cross-track nil) (Horizontal-Spatial-Resolution-Cross-track# nil) (Id CNES\_KaRIN0) (Illumination Active) (image-distortion# nil) (Instrument CNES\_KaRIN) (launch-date 2015) (lifetime 5) (mission-architecture single\_arch) (num-of-indep-samples# nil) (num-of-planes# 1) (num-of-sats-per-plane# 1) (num-soundings-per-day# nil) (On-board-calibration Low) (orbit-altitude# 600) (orbit-anomaly# nil) (orbit-inclination SSO) (orbit-RAAN DD) (orbit-string SSO-600-SSO-DD) (orbit-type SSO) (Parameter "2.2.2 Hi-res topography") (Penetration Medium-other-MW) (Pointing-capability Low) (Polarimetry yes) (power-duty-cycle# 1.0) (Radiometric-accuracy nil) (Radiometric-accuracy# nil) (Region-of-interest nil) (rms-system-instrument# nil) (rms-system-POD# nil) (rms-system-tropoH2O# nil) (rms-system-tropo-dry# nil) (rms-system-ionosphere# nil) (rms-system-model# nil) (rms-variable-angular-sampling# nil) (rms-variable-measurement# nil) (rms-system-tides# nil) (rms-variable-time-sampling# nil) (rms-total# nil) (sensitivity# nil) (data-quantity-multiplier# nil) (sensitivity-in-cirrus nil) (sensitivity-in-convective-clouds nil) (sensitivity-in-high-winds nil) (sensitivity-in-low-troposphere-PBL nil) (sensitivity-in-rain nil) (sensitivity-in-upper-stratosphere nil) (sensitivity-in-upper-troposphere-and-stratosphere nil) (sensitivity-NEDT# nil) (sensitivity-over-lands nil) (sensitivity-over-oceans nil) (signal-to-noise-ratio# nil) (soil-penetration# nil) (spectral-bands ) (Spectral-region nil) (Spectral-resolution nil) (Spectral-resolution# nil) (Spectral-sampling nil) (Swath nil) (Swath# nil) (Swath2 nil) (synergy-level# nil) (taken-by CNES\_KaRIN) (Temporal-resolution nil) (Temporal-resolution# nil) (ThreeD nil) (Vertical-Spatial-Resolution nil) (Vertical-Spatial-Resolution# nil) (factHistory "{Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil A695 A953} S695} S695} S695} S695} S695} S695} S695} S695} S695} S695} S695} S695} S695} S695} S695} S695} S695} S695} S695} S695} S695}")).

Program text: ( run ) at line 17087 in file <eval pipe>.

at jess.Jesp.promptAndParseOneExpression(Unknown Source)

at jess.Jesp.parse(Unknown Source)

at jess.Rete.eval(Unknown Source)

at jess.Rete.eval(Unknown Source)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.evaluateCost(AbstractArchitectureEvaluator.java:395)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:84)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:24)

at java.base/java.util.concurrent.FutureTask.run(FutureTask.java:264)

at java.base/java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1128)

at java.base/java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:628)

at java.base/java.lang.Thread.run(Thread.java:835)

EXC in evaluateCost: class jess.JessException Fact object not in working memory (REQUIREMENTS::Measurement (Accuracy nil) (Accuracy# nil) (Accuracy2 nil) (All-weather yes) (avg-revisit-time-cold-regions# nil) (avg-revisit-time-global# nil) (avg-revisit-time-northern-hemisphere# nil) (avg-revisit-time-southern-hemisphere# nil) (avg-revisit-time-tropics# nil) (avg-revisit-time-US# nil) (band nil) (bias-calibration# nil) (cloud-cleared nil) (Continuity-over-time nil) (Coverage Global) (Coverage-of-region-of-interest nil) (data-rate-duty-cycle# 1.0) (Day-Night Day-and-night) (diurnal-cycle nil) (Field-of-view# 10) (flies-in SSO-600-SSO-DD) (Geometry slant) (High-lat-sensitivity Yes) (Horizontal-Spatial-Resolution nil) (Horizontal-Spatial-Resolution# 666.6666666666667) (Horizontal-Spatial-Resolution2 nil) (Horizontal-Spatial-Resolution-Along-track nil) (Horizontal-Spatial-Resolution-Along-track# nil) (Horizontal-Spatial-Resolution-Cross-track nil) (Horizontal-Spatial-Resolution-Cross-track# nil) (Id CNES\_KaRIN0) (Illumination Active) (image-distortion# nil) (Instrument CNES\_KaRIN) (launch-date 2015) (lifetime 5) (mission-architecture single\_arch) (num-of-indep-samples# nil) (num-of-planes# 1) (num-of-sats-per-plane# 1) (num-soundings-per-day# nil) (On-board-calibration Low) (orbit-altitude# 600) (orbit-anomaly# nil) (orbit-inclination SSO) (orbit-RAAN DD) (orbit-string SSO-600-SSO-DD) (orbit-type SSO) (Parameter "2.2.2 Hi-res topography") (Penetration Medium-other-MW) (Pointing-capability Low) (Polarimetry yes) (power-duty-cycle# 1.0) (Radiometric-accuracy nil) (Radiometric-accuracy# nil) (Region-of-interest nil) (rms-system-instrument# nil) (rms-system-POD# nil) (rms-system-tropoH2O# nil) (rms-system-tropo-dry# nil) (rms-system-ionosphere# nil) (rms-system-model# nil) (rms-variable-angular-sampling# nil) (rms-variable-measurement# nil) (rms-system-tides# nil) (rms-variable-time-sampling# nil) (rms-total# nil) (sensitivity# nil) (data-quantity-multiplier# nil) (sensitivity-in-cirrus nil) (sensitivity-in-convective-clouds nil) (sensitivity-in-high-winds nil) (sensitivity-in-low-troposphere-PBL nil) (sensitivity-in-rain nil) (sensitivity-in-upper-stratosphere nil) (sensitivity-in-upper-troposphere-and-stratosphere nil) (sensitivity-NEDT# nil) (sensitivity-over-lands nil) (sensitivity-over-oceans nil) (signal-to-noise-ratio# nil) (soil-penetration# nil) (spectral-bands ) (Spectral-region nil) (Spectral-resolution nil) (Spectral-resolution# nil) (Spectral-sampling nil) (Swath nil) (Swath# nil) (Swath2 nil) (synergy-level# nil) (taken-by CNES\_KaRIN) (Temporal-resolution nil) (Temporal-resolution# nil) (ThreeD nil) (Vertical-Spatial-Resolution nil) (Vertical-Spatial-Resolution# nil) (factHistory "{Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil A695 A953} S695} S695} S695} S695} S695} S695} S695} S695} S695} S695} S695} S695} S695} S695} S695} S695} S695} S695} S695} S695} S695}"))

5168: Arch 0.0,0,0,0,1,0,1,1,1,0,1,0,0,0,0,0,0,1,0,0,0,1,0,1,0,0,0,0,0,0,0,0,1,0,0,0,1,0,0,0,1,0,1,0,0,0,0,0,1,1,1,0,1,1,1,1,1,1,1,1,1 Science = -0.000000; Cost = 0.000000

WARNING: Loading ad-hoc rules

Index 0 out of bounds for length 0 class java.lang.IndexOutOfBoundsException

java.lang.IndexOutOfBoundsException: Index 0 out of bounds for length 0

at java.base/jdk.internal.util.Preconditions.outOfBounds(Preconditions.java:64)

at java.base/jdk.internal.util.Preconditions.outOfBoundsCheckIndex(Preconditions.java:70)

at java.base/jdk.internal.util.Preconditions.checkIndex(Preconditions.java:248)

at java.base/java.util.Objects.checkIndex(Objects.java:372)

at java.base/java.util.ArrayList.get(ArrayList.java:458)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.aggregate\_performance\_score\_facts(AbstractArchitectureEvaluator.java:314)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.evaluatePerformance(AbstractArchitectureEvaluator.java:277)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:77)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:24)

at java.base/java.util.concurrent.FutureTask.run(FutureTask.java:264)

at java.base/java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1128)

at java.base/java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:628)

at java.base/java.lang.Thread.run(Thread.java:835)

Jess reported an error in routine modify

while executing (modify ?miss (delta-V (+ ?inj ?adcs ?drag ?deorbit)) (factHistory (str-cat "{R" (call ?\*rulesMap\* get MASS-BUDGET::compute-deltaV-total) " " ?fh "}")))

while executing defrule MASS-BUDGET::compute-deltaV-total

while executing (run).

EXC in evaluateCost: class jess.JessException Fact object not in working memory (MANIFEST::Mission (adapter-mass 61.65) (ADCS-mass# nil) (ADCS-penalty nil) (ADCS-requirement 0.01) (ADCS-type three-axis) (antennae ) (antennae-dimensions ) (avionics-mass# 121.2039) (bus nil) (bus-BOL-power nil) (bus-cost nil) (bus-cost# nil) (bus-datarate nil) (bus-dimensions ) (bus-mass 4932.0) (bus-mass-margin nil) (bus-non-recurring-cost nil) (bus-non-recurring-cost# nil) (bus-power-margin nil) (bus-recurring-cost nil) (bus-recurring-cost# nil) (bus-volume-margin nil) (comm-OBDH-mass# nil) (constellation nil) (contract-modality nil) (datarate-duty-cycle# nil) (datarate-penalty nil) (delta-V nil) (delta-V# nil) (delta-V-ADCS 100) (delta-V-deorbit 171.71562376281418) (delta-V-drag 10) (delta-V-injection 0.0) (deorbiting-strategy drag-based) (depth-of-discharge 0.4) (drag-coefficient nil) (EMC-penalty nil) (EPS-mass# nil) (fraction-sunlight 0.6477274113274178) (gs-antenna nil) (gs-payload nil) (IAT-cost nil) (IAT-cost# nil) (IAT-non-recurring-cost nil) (IAT-non-recurring-cost# nil) (IAT-recurring-cost nil) (IAT-recurring-cost# nil) (id nil) (in-orbit nil) (instruments CLAR\_ERB DESD\_SAR DESD\_LID GACM\_VIS GACM\_SWIR HYSP\_TIR) (isl-antenna nil) (isl-payload nil) (Isp-ADCS 290) (Isp-injection 290) (launch-cost nil) (launch-cost# nil) (launch-date 2015) (launch-vehicle nil) (lifecycle-cost nil) (lifecycle-cost# nil) (lifetime 5) (lowest-TRL-instrument-value# nil) (low-TRL-instruments# nil) (lv-pack-efficiency# nil) (max-outage-time ) (mechanisms-penalty nil) (mission-architecture single\_arch) (mission-cost nil) (mission-cost# nil) (mission-non-recurring-cost nil) (mission-non-recurring-cost# nil) (mission-recurring-cost nil) (mission-recurring-cost# nil) (moments-of-inertia 21591.554054198583 21591.554054198583 21591.554054198583) (Name LEO-600-polar-NA) (num-accesses-per-day ) (num-of-instruments# nil) (num-launches nil) (num-of-planes# 1) (num-of-sats-per-plane# 1) (operations-cost nil) (operations-cost# nil) (orbit-altitude# 600) (orbit-anomaly# nil) (orbit-arg-of-perigee nil) (orbit-central-body nil) (orbit-eccentricity 0.0) (orbit-inclination polar) (orbit-period# 5801.064160476074) (orbit-RAAN NA) (orbit-semimajor-axis 6978000) (orbit-string LEO-600-polar-NA) (orbit-type LEO) (overhead-cost nil) (partnership-type ) (payload-cost nil) (payload-cost# nil) (payload-data-rate# 326.77) (payload-dimensions 12.2 10.1 7.25) (payload-dimensions# 6.0 41.45 2.7) (payload-mass# 1233.0) (payload-non-recurring-cost nil) (payload-non-recurring-cost# nil) (payload-peak-power# 1729.0) (payload-power# 1729.0) (payload-recurring-cost nil) (payload-recurring-cost# nil) (payload-volume# nil) (payloads ) (power-duty-cycle# nil) (program-cost nil) (program-cost# nil) (program-non-recurring-cost nil) (program-non-recurring-cost# nil) (program-recurring-cost nil) (program-recurring-cost# nil) (propellant-ADCS hydrazine) (propellant-injection hydrazine) (propellant-mass-ADCS nil) (propellant-mass-injection nil) (propulsion-mass# nil) (residual-dipole 5.0) (sat-data-rate-per-orbit# 277.6777933181787) (satellite-BOL-power nil) (satellite-BOL-power# nil) (satellite-cost nil) (satellite-cost# nil) (satellite-dimensions 4.584067834536133 4.584067834536133 4.584067834536133) (satellite-dry-mass 6165.0) (satellite-launch-mass nil) (satellite-mass# nil) (satellite-volume# nil) (satellite-wet-mass nil) (scanning-penalty nil) (select-orbit no) (service-fee nil) (slew-angle 2.0) (solar-array-area nil) (solar-array-mass nil) (spacecraft-non-recurring-cost nil) (spacecraft-non-recurring-cost# nil) (spacecraft-recurring-cost nil) (spacecraft-recurring-cost# nil) (standard-bus nil) (STK-DB ) (structure-mass# 673.4646) (thermal-mass# 74.84309999999999) (thermal-penalty nil) (worst-sun-angle 0.0) (updated nil) (updated2 nil) (factHistory "{Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil F817}}}}}}}}}}}}}}}}}}}}}}}}}}}}"))

Message: Fact object not in working memory (MANIFEST::Mission (adapter-mass 61.65) (ADCS-mass# nil) (ADCS-penalty nil) (ADCS-requirement 0.01) (ADCS-type three-axis) (antennae ) (antennae-dimensions ) (avionics-mass# 121.2039) (bus nil) (bus-BOL-power nil) (bus-cost nil) (bus-cost# nil) (bus-datarate nil) (bus-dimensions ) (bus-mass 4932.0) (bus-mass-margin nil) (bus-non-recurring-cost nil) (bus-non-recurring-cost# nil) (bus-power-margin nil) (bus-recurring-cost nil) (bus-recurring-cost# nil) (bus-volume-margin nil) (comm-OBDH-mass# nil) (constellation nil) (contract-modality nil) (datarate-duty-cycle# nil) (datarate-penalty nil) (delta-V nil) (delta-V# nil) (delta-V-ADCS 100) (delta-V-deorbit 171.71562376281418) (delta-V-drag 10) (delta-V-injection 0.0) (deorbiting-strategy drag-based) (depth-of-discharge 0.4) (drag-coefficient nil) (EMC-penalty nil) (EPS-mass# nil) (fraction-sunlight 0.6477274113274178) (gs-antenna nil) (gs-payload nil) (IAT-cost nil) (IAT-cost# nil) (IAT-non-recurring-cost nil) (IAT-non-recurring-cost# nil) (IAT-recurring-cost nil) (IAT-recurring-cost# nil) (id nil) (in-orbit nil) (instruments CLAR\_ERB DESD\_SAR DESD\_LID GACM\_VIS GACM\_SWIR HYSP\_TIR) (isl-antenna nil) (isl-payload nil) (Isp-ADCS 290) (Isp-injection 290) (launch-cost nil) (launch-cost# nil) (launch-date 2015) (launch-vehicle nil) (lifecycle-cost nil) (lifecycle-cost# nil) (lifetime 5) (lowest-TRL-instrument-value# nil) (low-TRL-instruments# nil) (lv-pack-efficiency# nil) (max-outage-time ) (mechanisms-penalty nil) (mission-architecture single\_arch) (mission-cost nil) (mission-cost# nil) (mission-non-recurring-cost nil) (mission-non-recurring-cost# nil) (mission-recurring-cost nil) (mission-recurring-cost# nil) (moments-of-inertia 21591.554054198583 21591.554054198583 21591.554054198583) (Name LEO-600-polar-NA) (num-accesses-per-day ) (num-of-instruments# nil) (num-launches nil) (num-of-planes# 1) (num-of-sats-per-plane# 1) (operations-cost nil) (operations-cost# nil) (orbit-altitude# 600) (orbit-anomaly# nil) (orbit-arg-of-perigee nil) (orbit-central-body nil) (orbit-eccentricity 0.0) (orbit-inclination polar) (orbit-period# 5801.064160476074) (orbit-RAAN NA) (orbit-semimajor-axis 6978000) (orbit-string LEO-600-polar-NA) (orbit-type LEO) (overhead-cost nil) (partnership-type ) (payload-cost nil) (payload-cost# nil) (payload-data-rate# 326.77) (payload-dimensions 12.2 10.1 7.25) (payload-dimensions# 6.0 41.45 2.7) (payload-mass# 1233.0) (payload-non-recurring-cost nil) (payload-non-recurring-cost# nil) (payload-peak-power# 1729.0) (payload-power# 1729.0) (payload-recurring-cost nil) (payload-recurring-cost# nil) (payload-volume# nil) (payloads ) (power-duty-cycle# nil) (program-cost nil) (program-cost# nil) (program-non-recurring-cost nil) (program-non-recurring-cost# nil) (program-recurring-cost nil) (program-recurring-cost# nil) (propellant-ADCS hydrazine) (propellant-injection hydrazine) (propellant-mass-ADCS nil) (propellant-mass-injection nil) (propulsion-mass# nil) (residual-dipole 5.0) (sat-data-rate-per-orbit# 277.6777933181787) (satellite-BOL-power nil) (satellite-BOL-power# nil) (satellite-cost nil) (satellite-cost# nil) (satellite-dimensions 4.584067834536133 4.584067834536133 4.584067834536133) (satellite-dry-mass 6165.0) (satellite-launch-mass nil) (satellite-mass# nil) (satellite-volume# nil) (satellite-wet-mass nil) (scanning-penalty nil) (select-orbit no) (service-fee nil) (slew-angle 2.0) (solar-array-area nil) (solar-array-mass nil) (spacecraft-non-recurring-cost nil) (spacecraft-non-recurring-cost# nil) (spacecraft-recurring-cost nil) (spacecraft-recurring-cost# nil) (standard-bus nil) (STK-DB ) (structure-mass# 673.4646) (thermal-mass# 74.84309999999999) (thermal-penalty nil) (worst-sun-angle 0.0) (updated nil) (updated2 nil) (factHistory "{Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil F817}}}}}}}}}}}}}}}}}}}}}}}}}}}}")).

Program text: ( run ) at line 17087 in file <eval pipe>.

at jess.aw.if(Unknown Source)

at jess.aw.a(Unknown Source)

at jess.Rete.modify(Unknown Source)

at jess.ex.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.Defrule.a(Unknown Source)

at jess.Activation.a(Unknown Source)

at jess.en.a(Unknown Source)

at jess.en.a(Unknown Source)

at jess.Rete.if(Unknown Source)

at jess.al.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.Jesp.a(Unknown Source)

at jess.Jesp.parseExpression(Unknown Source)

at jess.Jesp.promptAndParseOneExpression(Unknown Source)

at jess.Jesp.parse(Unknown Source)

at jess.Rete.eval(Unknown Source)

at jess.Rete.eval(Unknown Source)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.designSpacecraft(AbstractArchitectureEvaluator.java:462)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.evaluateCost(AbstractArchitectureEvaluator.java:397)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:84)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:24)

at java.base/java.util.concurrent.FutureTask.run(FutureTask.java:264)

at java.base/java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1128)

at java.base/java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:628)

at java.base/java.lang.Thread.run(Thread.java:835)

5169: Arch 0.0,0,0,0,1,0,1,1,1,1,1,0,0,0,0,0,0,1,0,0,1,0,0,1,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,1,1,1,1,1 Science = -0.000000; Cost = 0.000000

Jess reported an error in routine modify

while executing (modify ?instr (Field-of-regard# ?for) (factHistory (str-cat "{R" (call ?\*rulesMap\* get MANIFEST::compute-for-from-fov-square) " " ?fh "}")))

while executing defrule MANIFEST::compute-for-from-fov-square.

Fact object not in working memory (CAPABILITIES::Manifested-instrument (Accuracy nil) (Accuracy# nil) (Accuracy2 nil) (ADCS-requirements nil) (All-weather yes) (Angular-resolution# nil) (Angular-resolution-azimuth# nil) (Angular-resolution-elevation# nil) (Aperture# 5.0) (Aperture-azimuth# nil) (Aperture-elevation# nil) (average-data-rate# 20.0) (average-power# 1244.4444444444443) (avg-revisit-time-cold-regions# nil) (avg-revisit-time-global# nil) (avg-revisit-time-northern-hemisphere# nil) (avg-revisit-time-southern-hemisphere# nil) (avg-revisit-time-tropics# nil) (avg-revisit-time-US# nil) (band nil) (bandwidth# nil) (baseline# nil) (characteristic-orbit 600) (characteristic-power# 700) (Concept "dual-frequency clouds and precipitation radar") (cost nil) (cost# nil) (Coverage-of-region-of-interest nil) (data-rate-duty-cycle# 1.0) (Day-Night Day-and-night) (developed-by DOM-JPL) (dimension-x# 5) (dimension-y# 5) (dimension-z# 1) (Doppler nil) (duty-cycle# 1.0) (Field-of-regard# nil) (Field-of-view# 55) (Field-of-view-azimuth# nil) (Field-of-view-elevation# nil) (flies-in SSO-800-SSO-PM) (focal-length# nil) (frequency# 3.5E10) (Geometry slant) (has-deployment-mechanism yes) (High-lat-sensitivity Yes) (Horizontal-Spatial-Resolution nil) (Horizontal-Spatial-Resolution# nil) (Horizontal-Spatial-Resolution2 nil) (Horizontal-Spatial-Resolution-Along-track nil) (Horizontal-Spatial-Resolution-Along-track# nil) (Horizontal-Spatial-Resolution-Cross-track nil) (Horizontal-Spatial-Resolution-Cross-track# nil) (Id nil) (Illumination Active) (image-distortion# nil) (Imaging nil) (Intent "Cloud profile and rain radars") (Interferometry nil) (launch-date 2015) (lifetime 5) (mass# 480) (measurement-ids ) (mission-architecture single\_arch) (Name ACE\_CPR) (number-of-looks# nil) (num-of-C-band-channels nil) (num-of-Ka-band-channels nil) (num-of-Ku-band-channels nil) (num-of-L-band-channels nil) (num-of-mmwave-band-channels nil) (num-of-NIR-channels nil) (num-of-planes# 1) (num-of-sats-per-plane# 1) (num-of-SWIR-channels nil) (num-of-TIR-channels nil) (num-of-UV-channels nil) (num-of-VNIR-channels nil) (num-of-X-band-channels nil) (num-pixels# nil) (num-pixels-along-track# nil) (num-pixels-cross-track# nil) (off-axis-angle-plus-minus# 55) (On-board-calibration nil) (orbit-altitude# 800) (orbit-anomaly# nil) (orbit-inclination SSO) (orbit-RAAN PM) (orbit-string SSO-800-SSO-PM) (orbit-type SSO) (peak-data-rate# nil) (peak-power# 1244.4444444444443) (Penetration Medium-other-MW) (Pointing-capability Low) (Pointing-requirements Low) (Polarimetry yes) (power-duty-cycle# 1.0) (Priority nil) (Pulse-repetition-frequency# nil) (Radiometric-accuracy nil) (Radiometric-accuracy# nil) (range-resolution# nil) (rms-system-instrument# nil) (rms-system-tides# nil) (rms-variable-measurement# nil) (scanning conical) (scanning-angle-plus-minus# 55) (sensitivity# nil) (sensitivity-dBZ# nil) (sensitivity-in-cirrus nil) (sensitivity-in-convective-clouds nil) (sensitivity-in-low-troposphere-PBL nil) (sensitivity-in-upper-stratosphere nil) (sensitivity-in-upper-troposphere-and-stratosphere nil) (sensitivity-NEDT# nil) (sensitivity-over-lands nil) (sensitivity-over-oceans nil) (soil-penetration# nil) (spectral-bands MW-94GHz MW-35GHz) (Spectral-region MW-Ku) (Spectral-resolution nil) (Spectral-resolution# nil) (Spectral-sampling nil) (Swath nil) (Swath# nil) (Swath2 nil) (Technology-Readiness-Level 5) (Temporal-resolution nil) (Temporal-resolution# nil) (Thermal-control Passive-radiators) (ThreeD nil) (Vertical-Spatial-Resolution nil) (Vertical-Spatial-Resolution# nil) (factHistory "{R211 {R260 {R243 {R250 {R258 {R286 {R201 {R229 {R264 {R231 {R207 {R205 {R259 {R169 {R255 {R228 {R230 {R254 {R215 {R257 {R236 {R214 {R225 {R280 {R285 {R223 {R262 {R208 {R263 {R196 {R246 {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil A678} S678} S678} S678} S678} S678} S565} S565} S565} S565} S565} S565} S565} S565} S565} S565} S565} S565} S565} S565} S565} S565} S565}} S565} S565} S565} S565} S565} S565} S565} S565} S565} S565} S565} S565} S565}")) class jess.JessException

Message: Fact object not in working memory (CAPABILITIES::Manifested-instrument (Accuracy nil) (Accuracy# nil) (Accuracy2 nil) (ADCS-requirements nil) (All-weather yes) (Angular-resolution# nil) (Angular-resolution-azimuth# nil) (Angular-resolution-elevation# nil) (Aperture# 5.0) (Aperture-azimuth# nil) (Aperture-elevation# nil) (average-data-rate# 20.0) (average-power# 1244.4444444444443) (avg-revisit-time-cold-regions# nil) (avg-revisit-time-global# nil) (avg-revisit-time-northern-hemisphere# nil) (avg-revisit-time-southern-hemisphere# nil) (avg-revisit-time-tropics# nil) (avg-revisit-time-US# nil) (band nil) (bandwidth# nil) (baseline# nil) (characteristic-orbit 600) (characteristic-power# 700) (Concept "dual-frequency clouds and precipitation radar") (cost nil) (cost# nil) (Coverage-of-region-of-interest nil) (data-rate-duty-cycle# 1.0) (Day-Night Day-and-night) (developed-by DOM-JPL) (dimension-x# 5) (dimension-y# 5) (dimension-z# 1) (Doppler nil) (duty-cycle# 1.0) (Field-of-regard# nil) (Field-of-view# 55) (Field-of-view-azimuth# nil) (Field-of-view-elevation# nil) (flies-in SSO-800-SSO-PM) (focal-length# nil) (frequency# 3.5E10) (Geometry slant) (has-deployment-mechanism yes) (High-lat-sensitivity Yes) (Horizontal-Spatial-Resolution nil) (Horizontal-Spatial-Resolution# nil) (Horizontal-Spatial-Resolution2 nil) (Horizontal-Spatial-Resolution-Along-track nil) (Horizontal-Spatial-Resolution-Along-track# nil) (Horizontal-Spatial-Resolution-Cross-track nil) (Horizontal-Spatial-Resolution-Cross-track# nil) (Id nil) (Illumination Active) (image-distortion# nil) (Imaging nil) (Intent "Cloud profile and rain radars") (Interferometry nil) (launch-date 2015) (lifetime 5) (mass# 480) (measurement-ids ) (mission-architecture single\_arch) (Name ACE\_CPR) (number-of-looks# nil) (num-of-C-band-channels nil) (num-of-Ka-band-channels nil) (num-of-Ku-band-channels nil) (num-of-L-band-channels nil) (num-of-mmwave-band-channels nil) (num-of-NIR-channels nil) (num-of-planes# 1) (num-of-sats-per-plane# 1) (num-of-SWIR-channels nil) (num-of-TIR-channels nil) (num-of-UV-channels nil) (num-of-VNIR-channels nil) (num-of-X-band-channels nil) (num-pixels# nil) (num-pixels-along-track# nil) (num-pixels-cross-track# nil) (off-axis-angle-plus-minus# 55) (On-board-calibration nil) (orbit-altitude# 800) (orbit-anomaly# nil) (orbit-inclination SSO) (orbit-RAAN PM) (orbit-string SSO-800-SSO-PM) (orbit-type SSO) (peak-data-rate# nil) (peak-power# 1244.4444444444443) (Penetration Medium-other-MW) (Pointing-capability Low) (Pointing-requirements Low) (Polarimetry yes) (power-duty-cycle# 1.0) (Priority nil) (Pulse-repetition-frequency# nil) (Radiometric-accuracy nil) (Radiometric-accuracy# nil) (range-resolution# nil) (rms-system-instrument# nil) (rms-system-tides# nil) (rms-variable-measurement# nil) (scanning conical) (scanning-angle-plus-minus# 55) (sensitivity# nil) (sensitivity-dBZ# nil) (sensitivity-in-cirrus nil) (sensitivity-in-convective-clouds nil) (sensitivity-in-low-troposphere-PBL nil) (sensitivity-in-upper-stratosphere nil) (sensitivity-in-upper-troposphere-and-stratosphere nil) (sensitivity-NEDT# nil) (sensitivity-over-lands nil) (sensitivity-over-oceans nil) (soil-penetration# nil) (spectral-bands MW-94GHz MW-35GHz) (Spectral-region MW-Ku) (Spectral-resolution nil) (Spectral-resolution# nil) (Spectral-sampling nil) (Swath nil) (Swath# nil) (Swath2 nil) (Technology-Readiness-Level 5) (Temporal-resolution nil) (Temporal-resolution# nil) (Thermal-control Passive-radiators) (ThreeD nil) (Vertical-Spatial-Resolution nil) (Vertical-Spatial-Resolution# nil) (factHistory "{R211 {R260 {R243 {R250 {R258 {R286 {R201 {R229 {R264 {R231 {R207 {R205 {R259 {R169 {R255 {R228 {R230 {R254 {R215 {R257 {R236 {R214 {R225 {R280 {R285 {R223 {R262 {R208 {R263 {R196 {R246 {Rnil {Rnil {Rnil {Rnil {Rnil {Rnil A678} S678} S678} S678} S678} S678} S565} S565} S565} S565} S565} S565} S565} S565} S565} S565} S565} S565} S565} S565} S565} S565} S565}} S565} S565} S565} S565} S565} S565} S565} S565} S565} S565} S565} S565} S565}")).

at jess.aw.if(Unknown Source)

at jess.aw.a(Unknown Source)

at jess.Rete.modify(Unknown Source)

at jess.ex.call(Unknown Source)

at jess.ac.a(Unknown Source)

at jess.Funcall.execute(Unknown Source)

at jess.Defrule.a(Unknown Source)

at jess.Activation.a(Unknown Source)

at jess.en.a(Unknown Source)

at jess.en.a(Unknown Source)

at jess.Rete.if(Unknown Source)

at jess.Rete.run(Unknown Source)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.evaluatePerformance(AbstractArchitectureEvaluator.java:116)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:77)

at seakers.vassar.evaluation.AbstractArchitectureEvaluator.call(AbstractArchitectureEvaluator.java:24)

at java.base/java.util.concurrent.FutureTask.run(FutureTask.java:264)

at java.base/java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1128)

at java.base/java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:628)

at java.base/java.lang.Thread.run(Thread.java:835)