

jUCMNav Report



<http://softwareengineering.ca/jucmnav>

Title:	MockUp
URN Model Name:	URNspec
Description:	
Author:	Taha
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Specification Version:	217

UCM Scenario Groups documentation

- ScenarioGroup5:

1. ScenarioDef6

Variables

1. x (integer)
2. y (integer)
3. j (integer)
4. i (integer)
5. z (integer)
6. k (integer)
7. l (integer)
8. m (integer)
9. booleanVar (boolean)
10. booleanVar2 (boolean)
11. a (integer)
12. b (integer)
13. bool_var (boolean)
14. bool_var2 (boolean)

StubMap_1

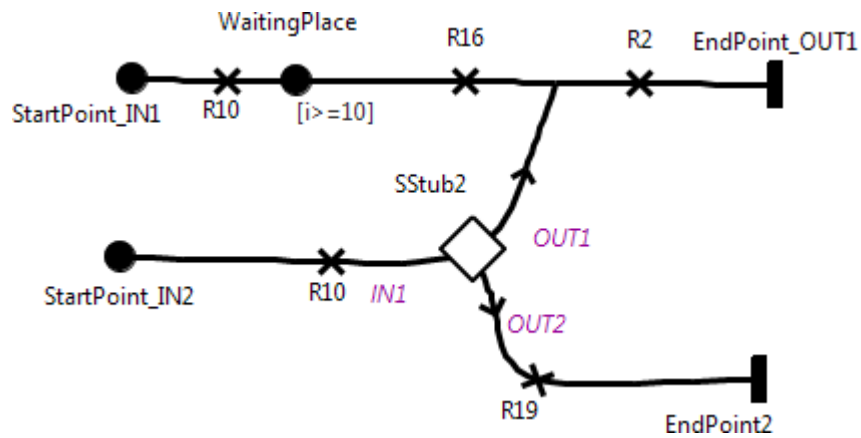


Figure 1 - StubMap_1

Responsibilities

R16

Expression

```
m=10;  
if(z<10)  
{  
  m=k;  
}  
else if(l==k)  
  k=10;
```

R10

Expression: i=10;

R19

R2

Expression: x=10;

R10

Expression: i=10;

Stubs

Static Stub - SStub2

Plugin Map - StubMap_2

Input Bindings:

IN 1 <-> StartPoint_IN1

Output Bindings:

OUT 1 <-> EndPoint_OUT

Precondition:

Expression: true

Transaction: false

Probability: 1.0

MainMap

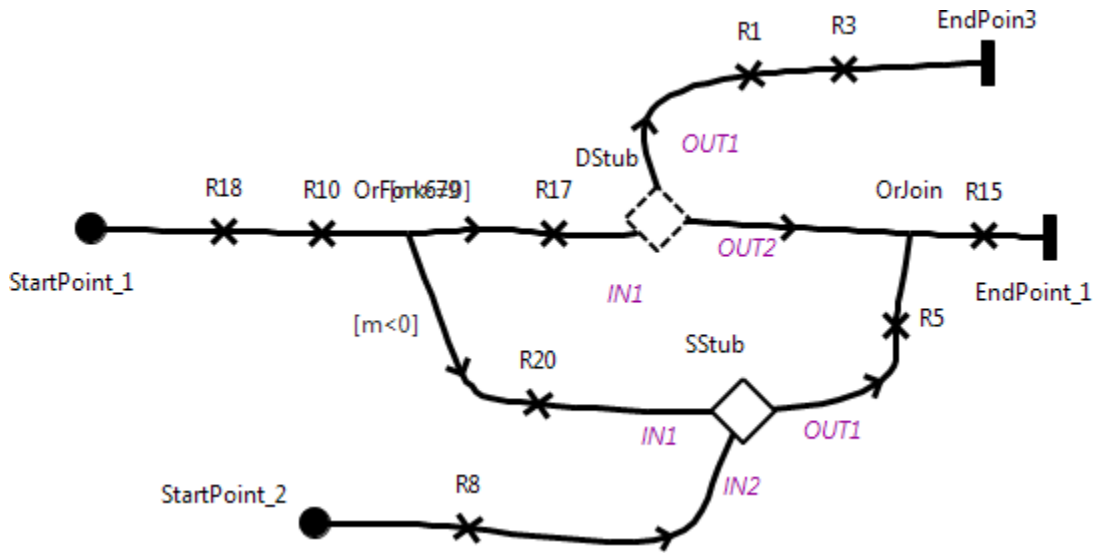


Figure 2 - MainMap

Responsibilities

R8

Expression: `z=1;`

R18

Expression

```
y=y+1;  
if(x>y)  
{  
i=j+k;  
if(bool_var)  
a=b;  
}  
else  
x=z;
```

R17

Expression

```
j=k;  
  
if(j>10)
```

```
x=10;  
else  
x=0;
```

```
k=k+1;
```

R20

R10

Expression: i=10;

R15

Expression

```
x=x+1;  
if(y>z && z<10)  
m=10;
```

else

```
{  
l=j;  
}
```

R1

Expression: x=y;

R3

Expression: x=y+z;

R5

Expression: x=j;

Stubs

Static Stub - SStub

Plugin Map - StubMap_1

Input Bindings:

IN 1 <-> StartPoint_IN1

IN 1 <-> StartPoint_IN2

Output Bindings:

OUT 1 <-> EndPoint_OUT1

Precondition:

Expression: true

Transaction: false

Probability: 1.0

Dynamic Stub - DStub

Plugin Map - DStub1

Input Bindings:

IN 1 <-> StartPoint_IN

Output Bindings:

OUT 1 <-> EndPoint_OUT1

OUT 2 <-> EndPoint_OUT2

Precondition:

Expression: true

Transaction: false

Probability: 1.0

Plugin Map - DStub2

Input Bindings:

IN 1 <-> StartPointIN

Output Bindings:

OUT 1 <-> EndPoint_OUT1

OUT 2 <-> EndPoint_OUT2

Precondition:

Expression: true

Transaction: false

Probability: 1.0

Or Fork Description

[m>=0] ==> m>=0 (probability: 1.0)

[m<0] ==> m<0 (probability: 1.0)

DStub1

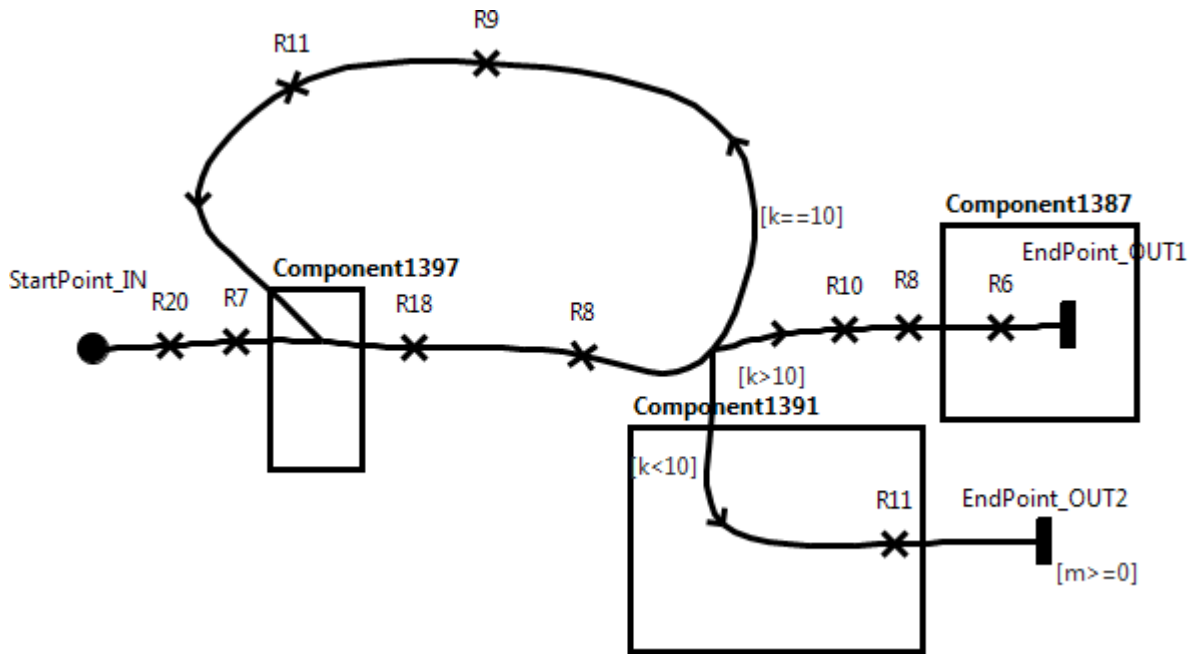


Figure 3 - DStub1

Responsibilities

R10

Expression: $i=10$;

R11

Expression: $k=k+1$;

R6

Expression: $j=10$;

R8

Expression: $z=1$;

R11

Expression: $k=k+1$;

R20

R18

Expression

```
y=y+1;
if(x>y)
{
i=j+k;
if(bool_var)
a=b;
}
else
x=z;
```

R7

Expression: y=z;

R8

Expression: z=1;

R9

Expression: z=y+k;

Or Fork Description

[k==10] ==> k==10 (probability: 1.0)

[k>10] ==> k>10 (probability: 1.0)

[k<10] ==> k<10 (probability: 1.0)

End Points

EndPoint_OUT2

Postcondition [m>=0] ==> m>=0

StubMap_2

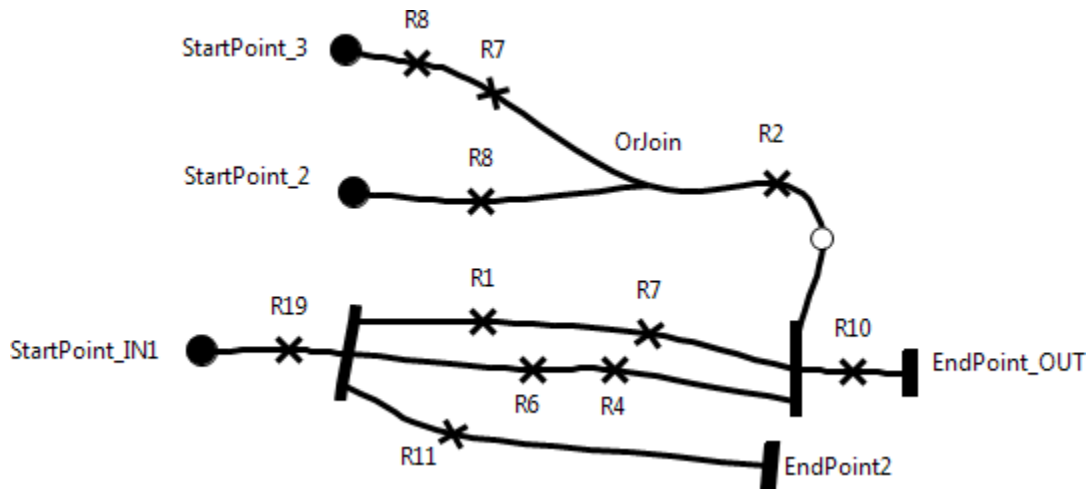


Figure 4 - StubMap_2

Responsibilities

- R1
Expression: $x=y$;
- R8
Expression: $z=1$;
- R7
Expression: $y=z$;
- R4
Expression: $x=k$;
- R6
Expression: $j=10$;
- R11
Expression: $k=k+1$;
- R19
- R8
Expression: $z=1$;

R7

Expression: $y=z$;

R10

Expression: $i=10$;

R2

Expression: $x=10$;

DStub2

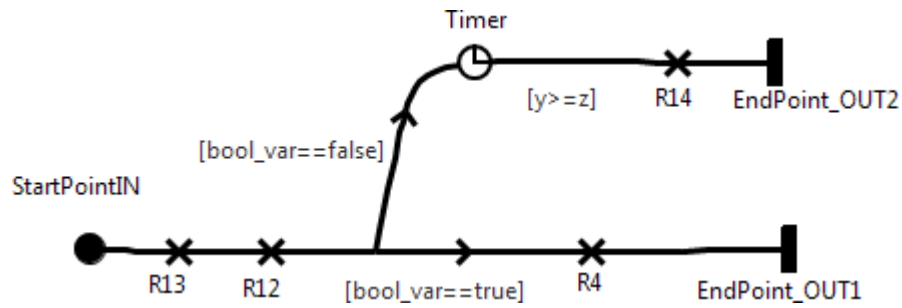


Figure 5 - DStub2

Responsibilities

R12

Expression: `bool_var=false;`

R14

Expression

`if(a>b)`

`{`

`x=0;`

`m=m-1;`

`}`

`else`

`a=a+1;`

R4

Expression: `x=k;`

R13

Expression

`if(bool_var)`

`bool_var2=false;`

Or Fork Description

`[bool_var==true] ==> bool_var==true` (probability: 1.0)

`[bool_var==false] ==> bool_var==false` (probability: 1.0)

Scenario Documentation

Scenario Execution Summary

Group ScenarioGroup5 (ID:5)

Scenario	Result	Message(s)
ScenarioDef6 (ID: 6)	FAILED	No start points defined! Nothing to execute!

Scenario Information

Group ScenarioGroup5 (ID: 5)

Scenario ScenarioDef6 (ID: 6)