

Case 8. Showing Parameter Direction and Type in Single Table Cell using StringConcat

To display Parameter Direction and Parameter Type in a single table cell

- 1. Create a **Generic Table**.
- 2. Set the **Element Type** to **Parameter** and **Activity**.
- 3. Set the **Scope** to the Activity element which contains the Parameters.
- 4. Click the **Columns** button and select **New Custom Column**. **Expression** dialog opens.
- 5. Set the **Type** as **String**.
- 6. Select the **Single Value** check box.

Name: Representation Name using StringConcat

Type: String

☒ Single Value

Expression

Expression

Simple Navigation

Simple Navigation

Edit

Use as...

Remove

- 7. Select **Create operation > Operation from Model > IfThenElse**.

If you cannot see the **Operation from Model** operation under **Operations**, make sure the **Expert** mode is enabled.

If you cannot see the **IfThenElse** operation, make sure the **Apply Filter** box is not checked.

Expression

Simple Navigation

Metachain Navigation

Find

Implied Relation

Create operation...

Create operation...

Operations

Simple Navigation

Metachain Navigation

Find

Type Test

Property Test

Union

Exclude

Operation from Model

- 8. Select **Condition > Reset**.

Expression

Simple Navigation

Metachain Navigation

Find

Implied Relation

IfThenElse1

Condition = false

Then = null

Else = null

Create operation...

Operation from Model::Condition

Edit

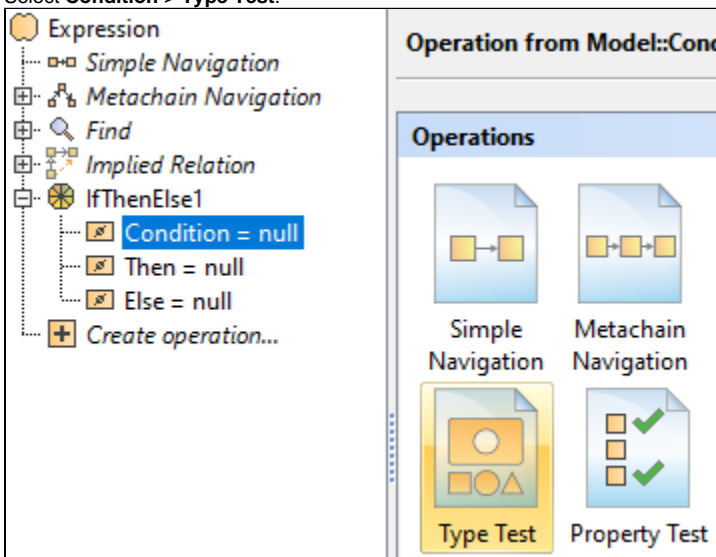
Use as...

Reset

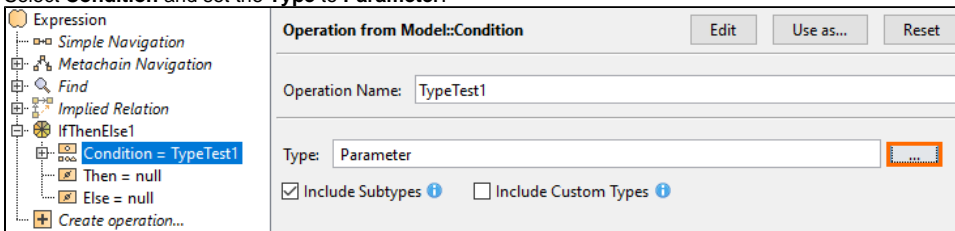
Operation Name:

Value: false

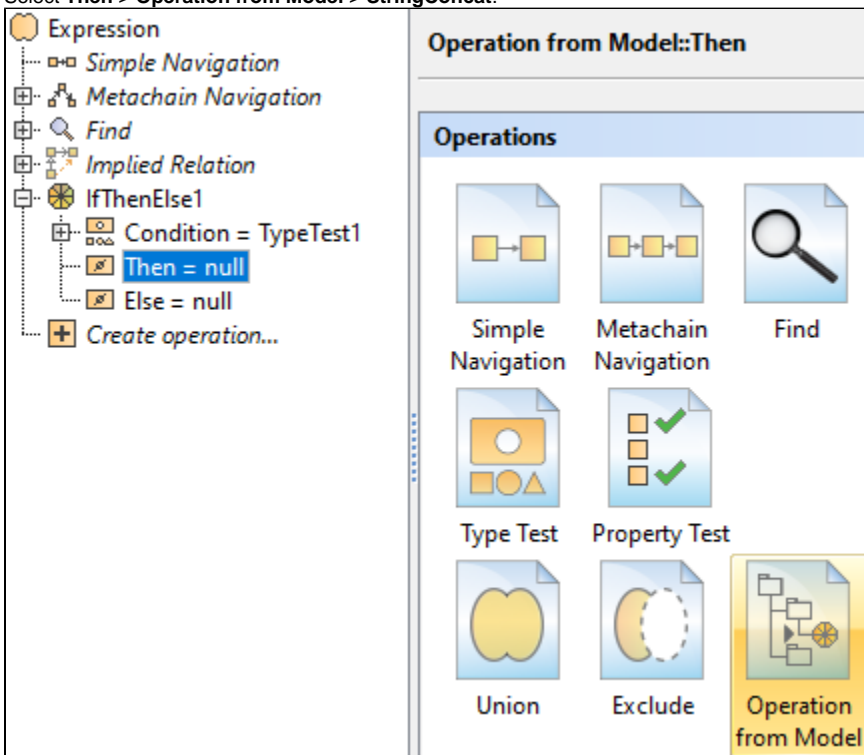
9. Select **Condition** > **Type Test**.



10. Select **Condition** and set the **Type** to **Parameter**.



11. Select **Then** > **Operation from Model** > **StringConcat**.



12. Select **A** > **Reset**.

13. Select **A > Script**.

The screenshot shows the 'Operation from Model::A' dialog. On the left, the 'Expression' tree is expanded to 'A = null'. On the right, the 'Operations' list contains 'Simple Navigation', 'Metachain Navigation', 'Union', 'Exclude', 'Operation from Model', and 'Script'. The 'Script' operation is highlighted with a yellow border.

14. Select **A > arg1 > Remove**.

The screenshot shows the 'Script:arg1' dialog. The 'Remove' button is highlighted with a red border. The 'Operation Name' field contains 'arg1' and the 'Value' dropdown is set to 'THIS'.

15. Select **A > Create parameter > Metachain Navigation**.

The screenshot shows the 'Create parameter...' dialog. The 'Metachain Navigation' operation is highlighted with a yellow border in the 'Operations' list.

16. Set the **Parameter Name** to **direction**.

17. Click **Insert**.

18. Under **Metaclass or Stereotype**, select **Parameter**, and under **Property**, select **Direction**.

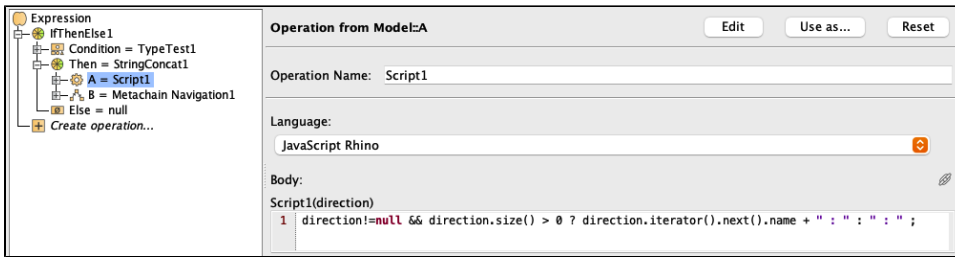
The screenshot shows the 'Script:direction' dialog. The 'Parameter' metaclass is selected under 'Metaclass or Stereotype' and the 'Direction' property is selected under 'Property'. The 'Insert' button is highlighted.

19. Select **A > Script**. From the **Language** drop-down list, select **Javascript Rhino**.

20. Insert the following script as the **Body**:

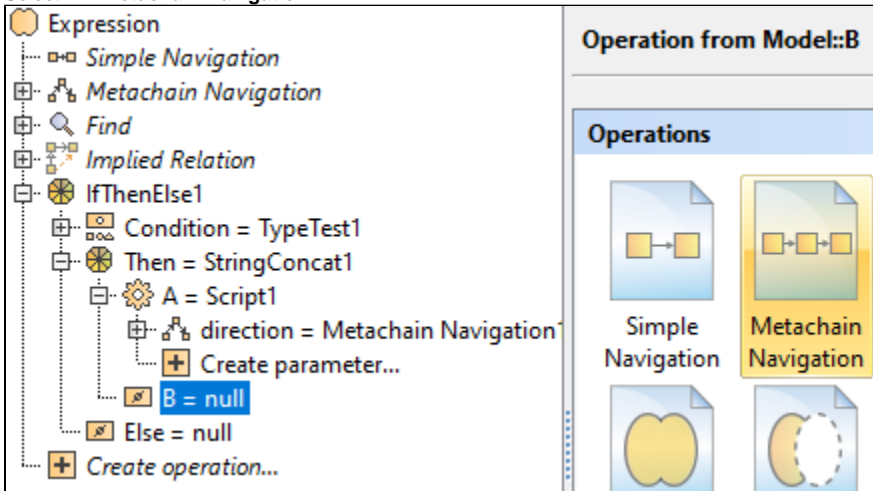
Javascript Rhino

```
direction != null && direction.size() > 0 ? direction.iterator().next().name + " : " : " : " ;
```



21. Select **B** > **Reset**.

22. Select **B** > **Metachain Navigation**.

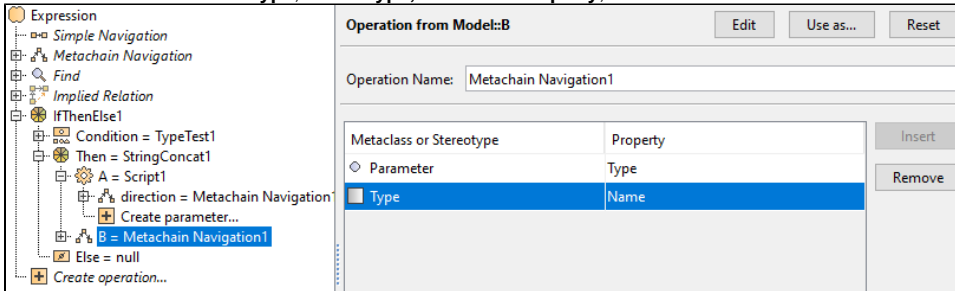


23. Click **Insert**.

24. Under **Metaclass** or **Stereotype**, select **Parameter**, and under **Property**, select **Type**.

25. Click **Insert** again.

26. Under **Metaclass** or **Stereotype**, select **Type**, and under **Property**, select **Name**.



27. Click **OK**.

Sample model

The model used in these examples is the *Case Studies for Querying the Model* sample model. To open this model, you need to download [case studies for querying the model.mdzip](#).