Case 10. Filtering Diagrams by Modification Date

To filter diagrams by modification date

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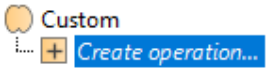
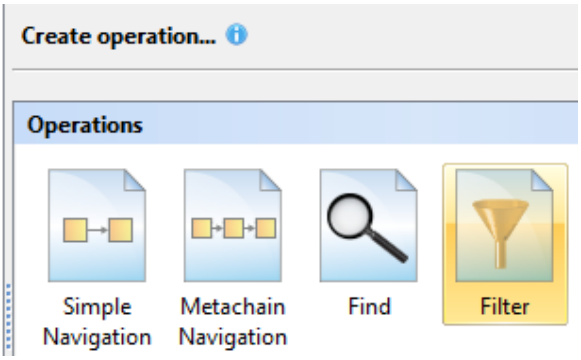
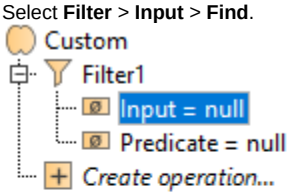
1. Create a **Generic Table**.
2. Set the **Element Type** to **Diagram**. Make sure to select the **Include Subtypes** check box. Click **OK**.
3. Set the **Scope** where the diagrams will be searched for.
4. Click the {}my icon in the **Scope** field and select **Custom**. The **Query** dialog opens.
5. Select **Create operation** > **Filter**.

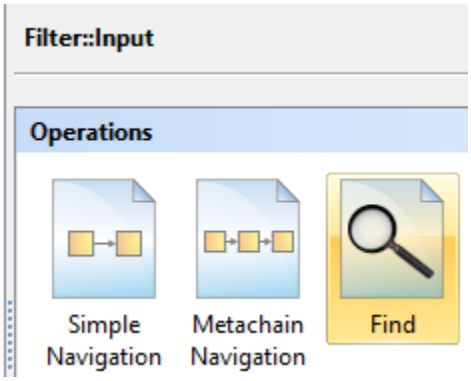
> If you cannot see the **Filter** operation, make sure the **Expert** mode is enabled.



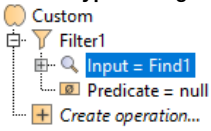


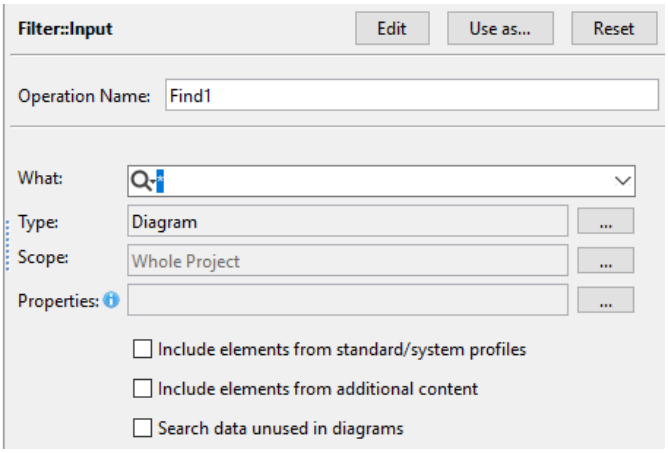
6. Select **Filter** > **Input** > **Find**.



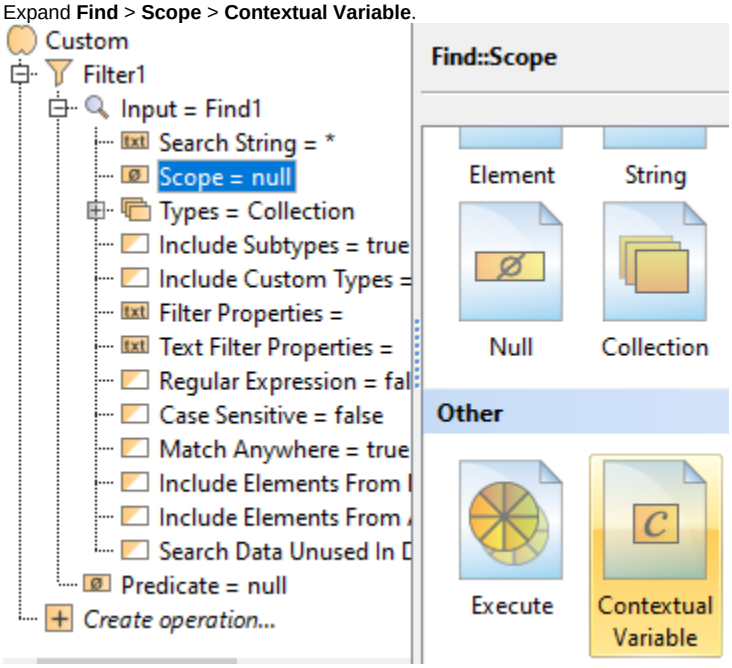


7. Set the **Type** to **Diagram**.



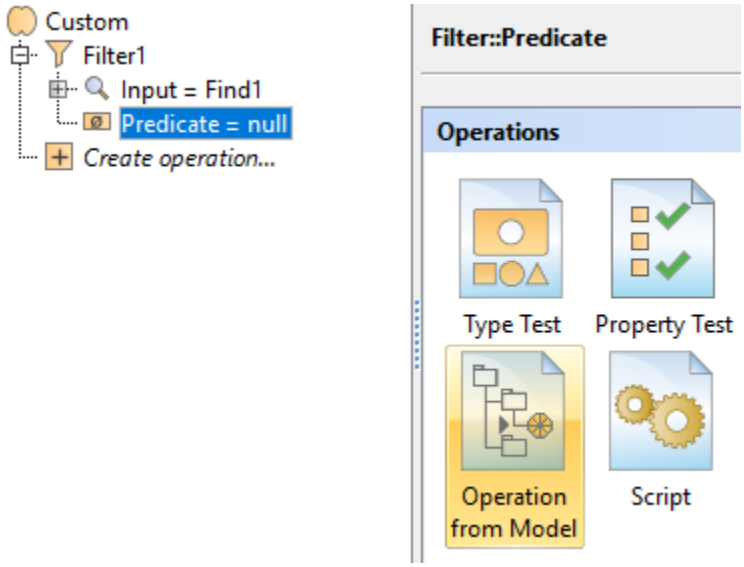


8. Expand **Find** > **Scope** > **Contextual Variable**.

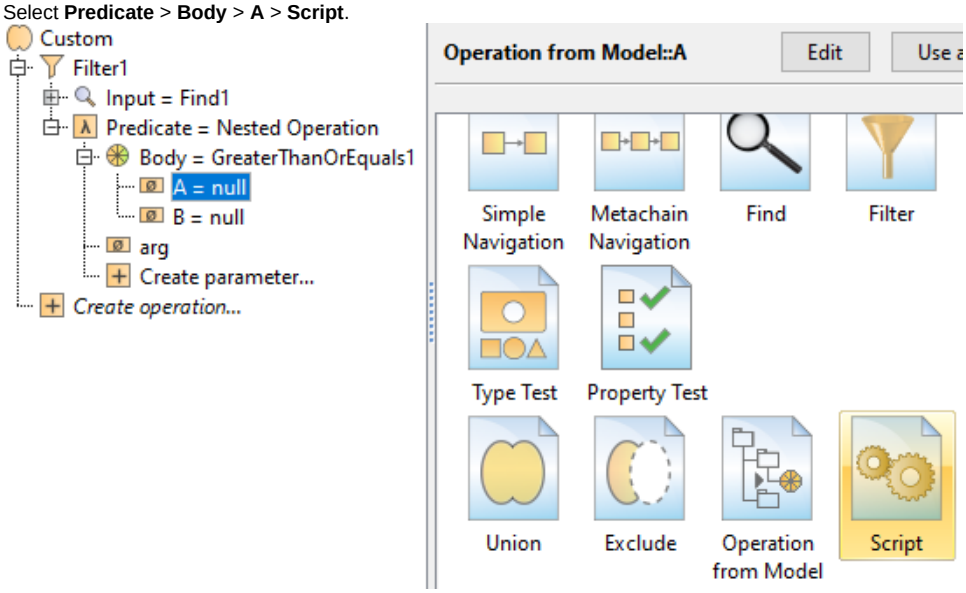


9. Select **Filter** > **Predicate** > **Operation from Model** > **GreaterThanOrEquals**.

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



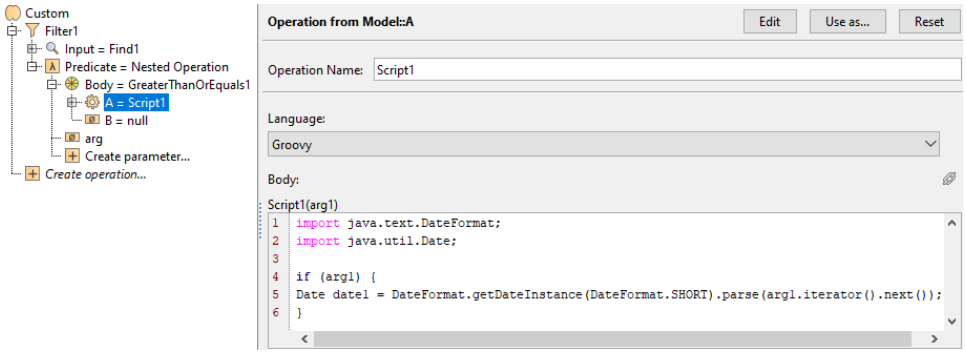
10. Select **Predicate** > **Body** > **A** > **Script**.



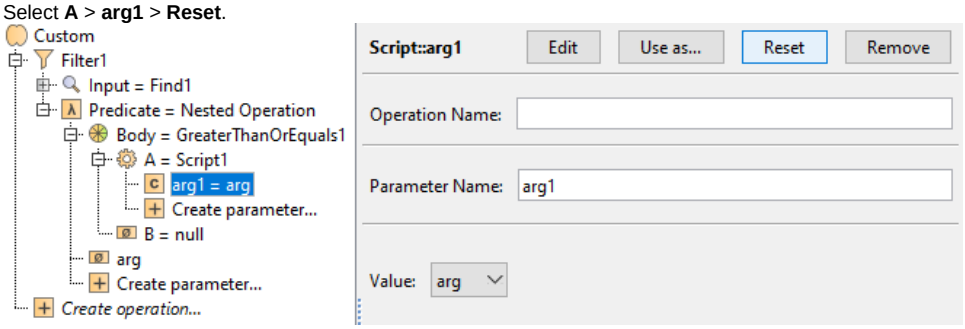
11. From the Language drop-down list, select **Groovy**.
12. Insert the following script as the **Body**:

Groovy

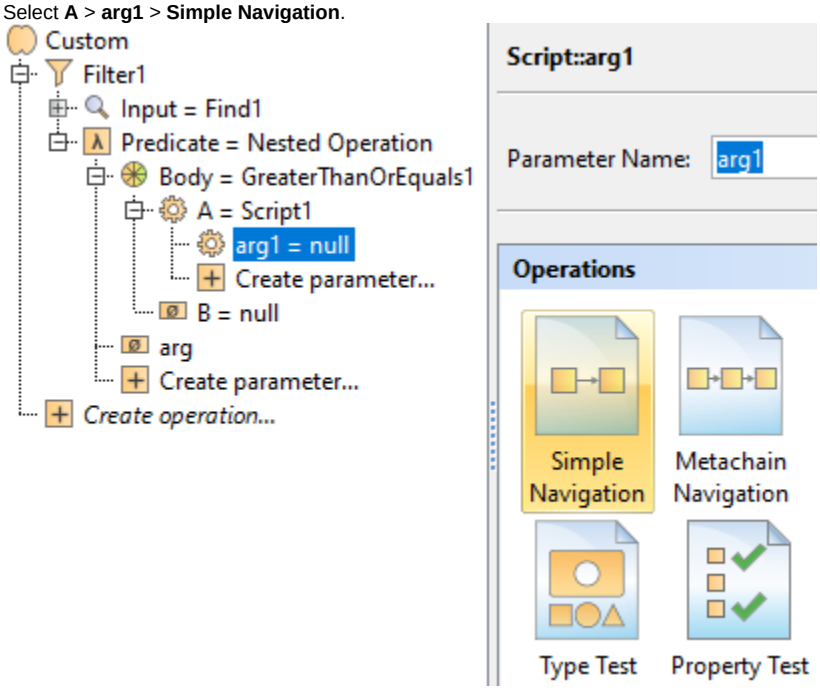
```
import java.text.DateFormat;
import java.util.Date;

if (arg1) {
Date date1 = DateFormat.getDateInstance(DateFormat.SHORT).parse(arg1.iterator().next());
}
```



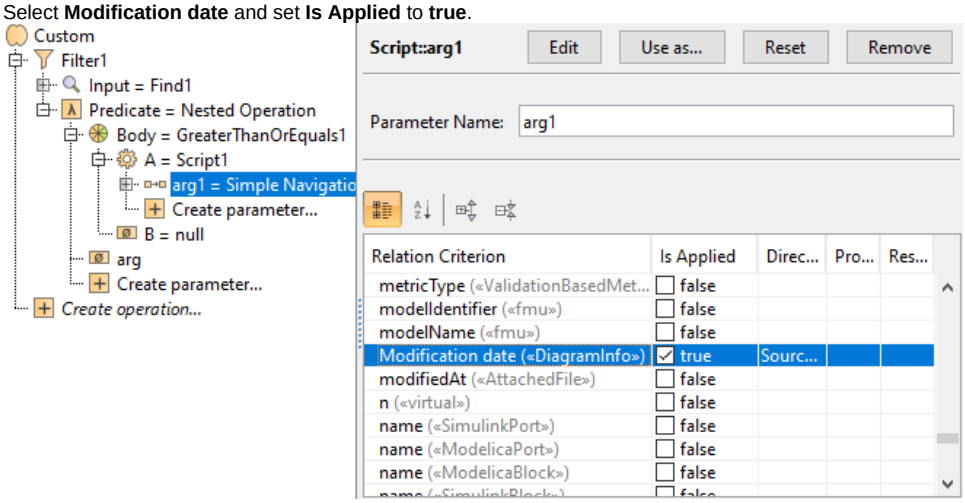
13. Select **A** > **arg1** > **Reset**.



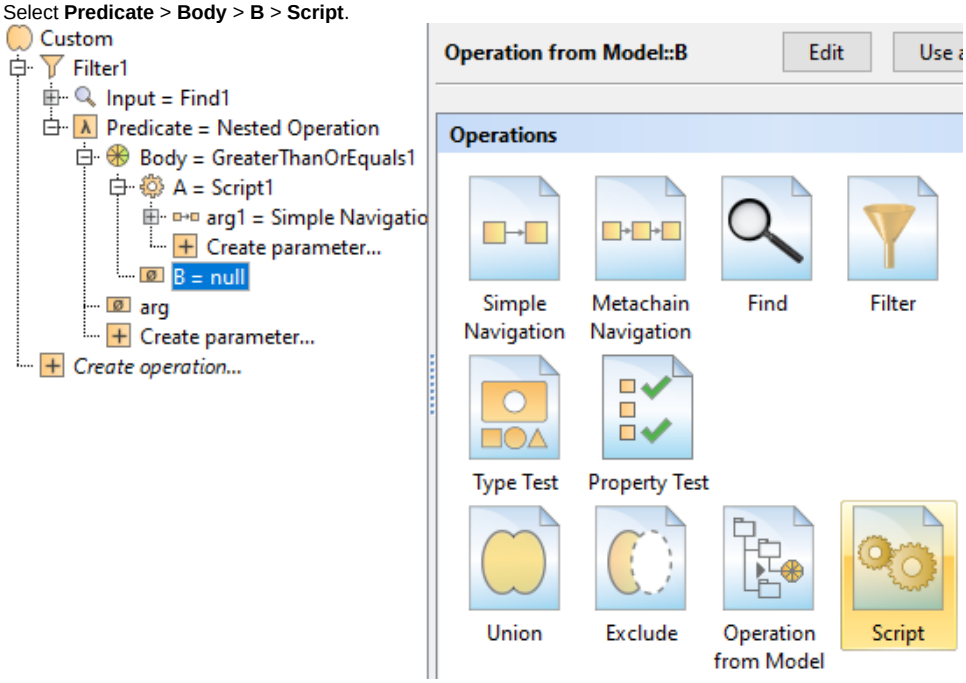
14. Select **A** > **arg1** > **Simple Navigation**.



15. Select **Modification date** and set **Is Applied** to **true**.



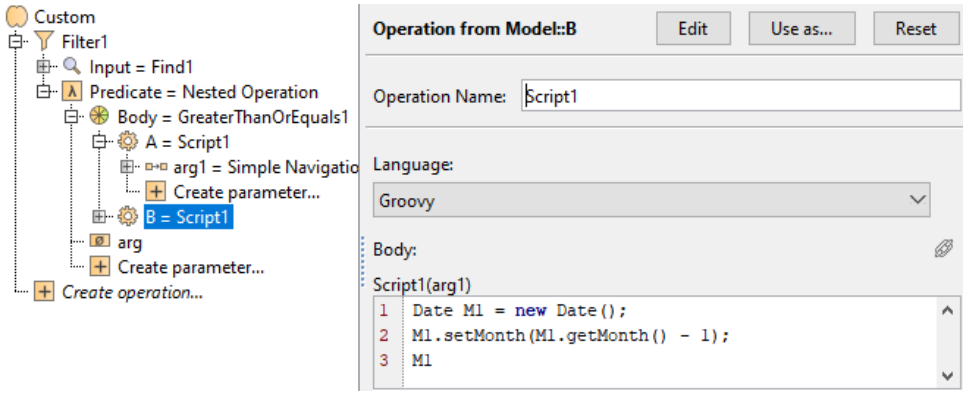
16. Select **Predicate** > **Body** > **B** > **Script**.



17. From the Language drop-down list, select **Groovy**.
18. Insert the following script as the **Body**:

Groovy

```
Date M1 = new Date();
M1.setMonth(M1.getMonth() - 1);
M1
```



19. Click **OK**. To view the column, make sure to display it via the **Columns** button in the diagram toolbar > **Select Columns** > set the **Modification date** column to **true**.

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*.