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# ExtendedCalculationHandler

## Description

The **handler** is given two **variables**, which it settles with the operator that is given to it. It can also check if these **variables** appear more than once (var1[0], var2[0], var1[1], var2[1],...) and settles these, too. The **handler** can be configured check if the **variables** appear multiple times; if so, it can save the sub-totals as **variables** or settle these with a second operator. If no second operator was transferred, it settles the sub-totals with the first operator. The **handler** can be configured to round the results.

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## Action Class

```
com.dooris.bpm.actionhandler.ExtendedCalculationHandler
```

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## Event Type

any

## Action Name

any

## Mandatory Fields

none

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## Parameter

### **variable1**

First variable for performing calculations (see [example](#))

### **variable2**

Second variable for performing calculations (see [example](#))

### **index**

If index is passed the value "true", the handler tries to find the two variables with the pattern "var[x]" (beginning with 0) and to settle these with one another. (see [example](#))

### **operator1**

First operator used for performing calculations. Possible options: +, -, \*, /, mod(Modulo), poten. (see [example](#))

### **operator2**

Second operator used for performing calculations. Possible options: +, -, \*, /, mod(Modulo), poten. (see [example](#))

### **result**

Name of the new variable, to which the results will be written. If sub-totals should be saved, these are saved using the pattern result[x]. (see [example](#))

### **multiResult**

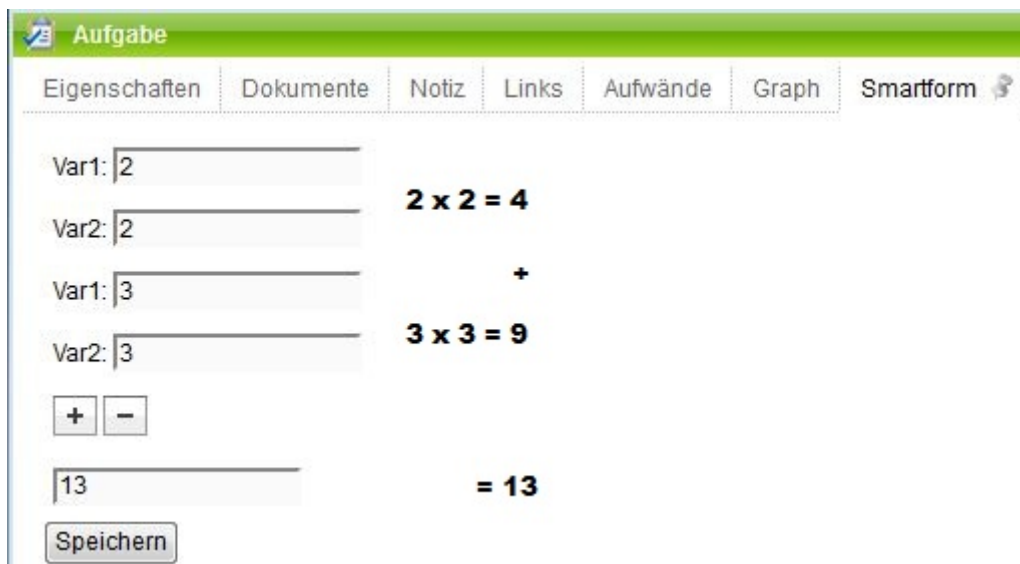
If multiResult is given with the value "true", sub-totals will be saved as process variables. (see [example](#))

### round

Here a number can be given, which tells how many decimal places should be kept when rounding. If nothing is entered, the numbers will not be rounded. (see [example](#))

## Example

Smartform:



Parameter:

### Symboleigenschaften - Contain the problem

The screenshot displays a software interface for editing BPMN elements. On the left is a navigation tree with categories like 'Symbol', 'Modellierung', and 'Automatisierung'. The main area shows a task named 'Contain the problem' with a duration of 800. An 'Edit Event' dialog is open, showing the following configuration:

- Ereignistyp: Node Leave
- Aktionsname: ExtendedCalculationHandler
- Aktionsklasse: com.dooris.bpm.actionhandler.ExtendedCalculationHandler
- Mandatory Fields: (empty)
- Parameter: 

```
variable2=var2;
index=true;
operator1=*;
operator2=+;
multiResult=false;
round=2;
result=result;
```

Buttons for 'OK' and 'Abbrechen' are visible at the bottom of the dialog.

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