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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.

Action Class

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

Event Type

any

Action Name

any

Mandatory Fields

none

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:

The screenshot shows a software interface titled "Aufgabe". At the top, there is a navigation bar with tabs: Eigenschaften, Dokumente, Notiz, Links, Aufwände, Graph, and Smartform. The "Smartform" tab is currently selected. Below the tabs, there are two sets of input fields and calculations. The first set has "Var1: 2" and "Var2: 2", resulting in **2 x 2 = 4**. The second set has "Var1: 3" and "Var2: 3", resulting in **3 x 3 = 9**. Below these, there are addition and subtraction buttons (+, -). A final result line shows "13" followed by an equals sign and the number "13", indicating the sum of the two products.

Parameter:

Symboleigenschaften - Contain the problem

Symbol

BPMN-Anleitung

Modellierung

Eingaben

Ressourcen

Aufgabe

Ausgaben

Attribute

Letzte Simulation

Sonstige

Allgemein

Verknüpfungen

Benutzerdefinierte Daten

Risiken

Messgrößen

RACI

Automatisierung

Enterprise

Beschreibt

Solldauer: 800

Aufgabenliste:

Aufgabenname: Contain the problem

Rollenzuweisung

Edit Event

Ereignistyp: Node Leave

Aktionsname: ExtendedCalculationHandler

Aktionsklasse: com.dooris.bpm.actionhandler.ExtendedCalculationHandler

Mandatory Fields:

Parameter:

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

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