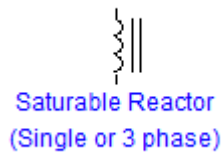
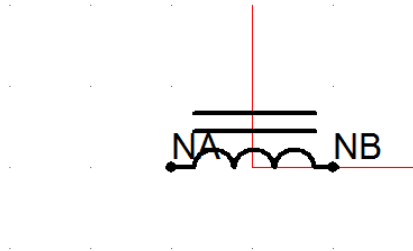


1- To get this



2- It is optional to plot the figure in graph section as

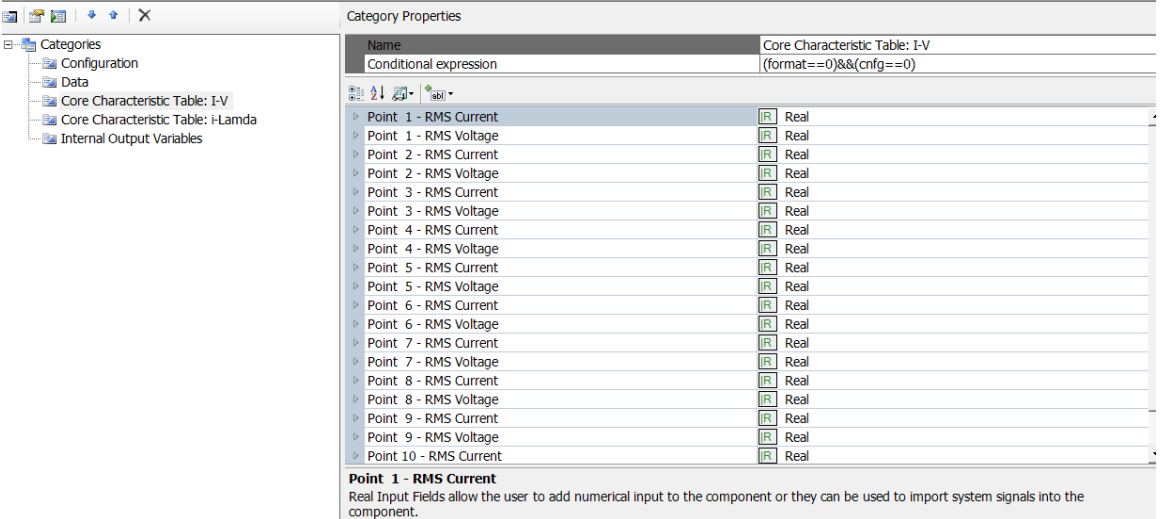


- 3- Go to New component icon and create one
- 4- The input and output should be in electrical and switched node type
- 5- Name the input as NA and the output as NB
- 6- Write in the script file the following

```
BRN = $NA $NB BREAKER 1.0E6  
BRC = $NA $NB 1.0 0.1 1.0
```
- 7- Go to the parameters section and implement the parameters as shown

	A	B

C



Category Properties

Name: Core Characteristic Table: I-V

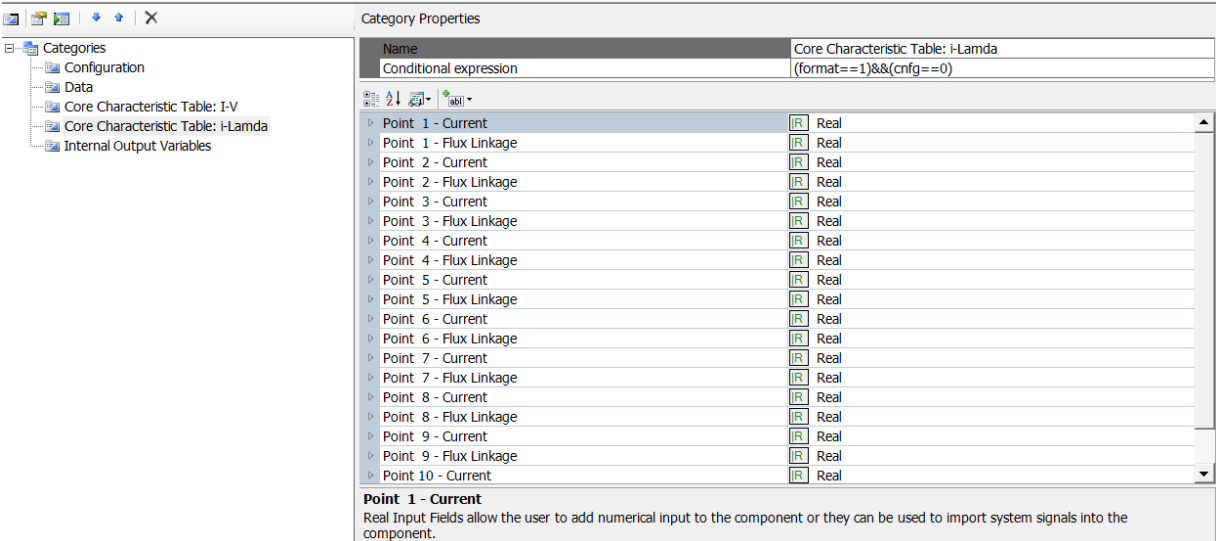
Conditional expression: (format==0)&&(cnfg==0)

Point	Variable	Unit	Value
Point 1	RMS Current	IR	Real
Point 1	RMS Voltage	IR	Real
Point 2	RMS Current	IR	Real
Point 2	RMS Voltage	IR	Real
Point 3	RMS Current	IR	Real
Point 3	RMS Voltage	IR	Real
Point 4	RMS Current	IR	Real
Point 4	RMS Voltage	IR	Real
Point 5	RMS Current	IR	Real
Point 5	RMS Voltage	IR	Real
Point 6	RMS Current	IR	Real
Point 6	RMS Voltage	IR	Real
Point 7	RMS Current	IR	Real
Point 7	RMS Voltage	IR	Real
Point 8	RMS Current	IR	Real
Point 8	RMS Voltage	IR	Real
Point 9	RMS Current	IR	Real
Point 9	RMS Voltage	IR	Real
Point 10	RMS Current	IR	Real

Point 1 - RMS Current

Real Input Fields allow the user to add numerical input to the component or they can be used to import system signals into the component.

D



Category Properties

Name: Core Characteristic Table: I-Lambda

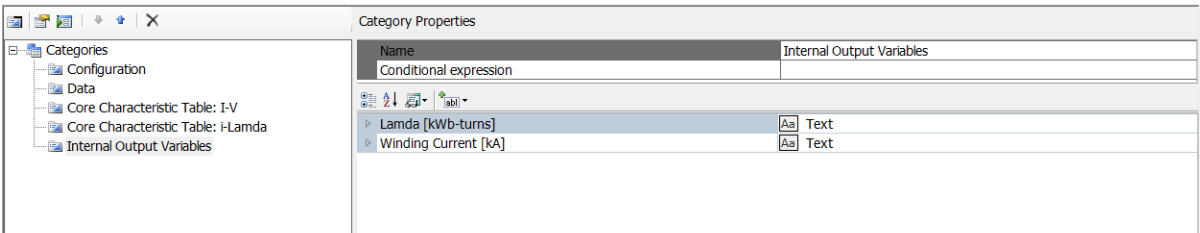
Conditional expression: (format==1)&&(cnfg==0)

Point	Variable	Unit	Value
Point 1	Current	IR	Real
Point 1	Flux Linkage	IR	Real
Point 2	Current	IR	Real
Point 2	Flux Linkage	IR	Real
Point 3	Current	IR	Real
Point 3	Flux Linkage	IR	Real
Point 4	Current	IR	Real
Point 4	Flux Linkage	IR	Real
Point 5	Current	IR	Real
Point 5	Flux Linkage	IR	Real
Point 6	Current	IR	Real
Point 6	Flux Linkage	IR	Real
Point 7	Current	IR	Real
Point 7	Flux Linkage	IR	Real
Point 8	Current	IR	Real
Point 8	Flux Linkage	IR	Real
Point 9	Current	IR	Real
Point 9	Flux Linkage	IR	Real
Point 10	Current	IR	Real

Point 1 - Current

Real Input Fields allow the user to add numerical input to the component or they can be used to import system signals into the component.

E



Category Properties

Name: Internal Output Variables

Conditional expression: (format==1)&&(cnfg==0)

Variable	Unit	Value
Lamda [kwb-turns]	Aa	Text
Winding Current [kA]	Aa	Text

Finally you will get your answer

Create by :Hasan