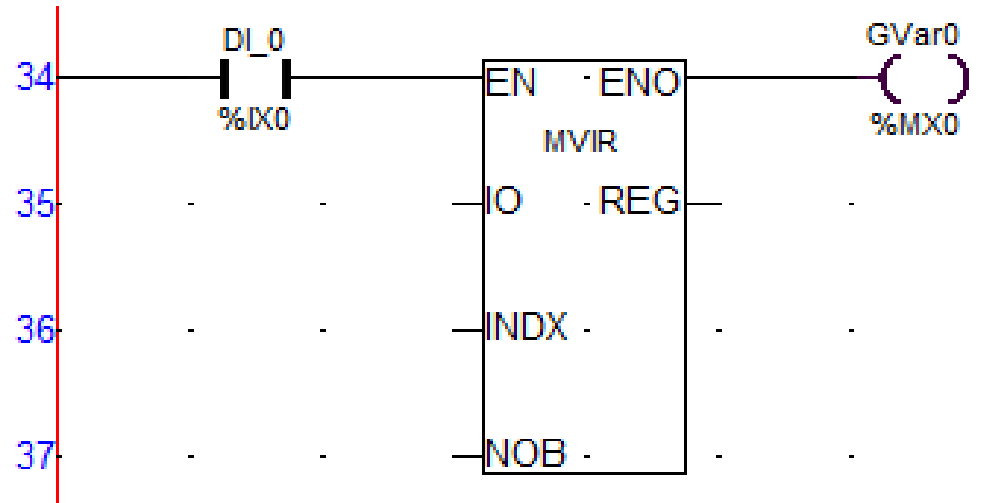


1. Double click on the register to which you want to assign variable



2. Click on Add Variable

Select Variable for Pin:0

×

Scope: Global

OK

Cancel

Select Variable: NONE

Add Variable

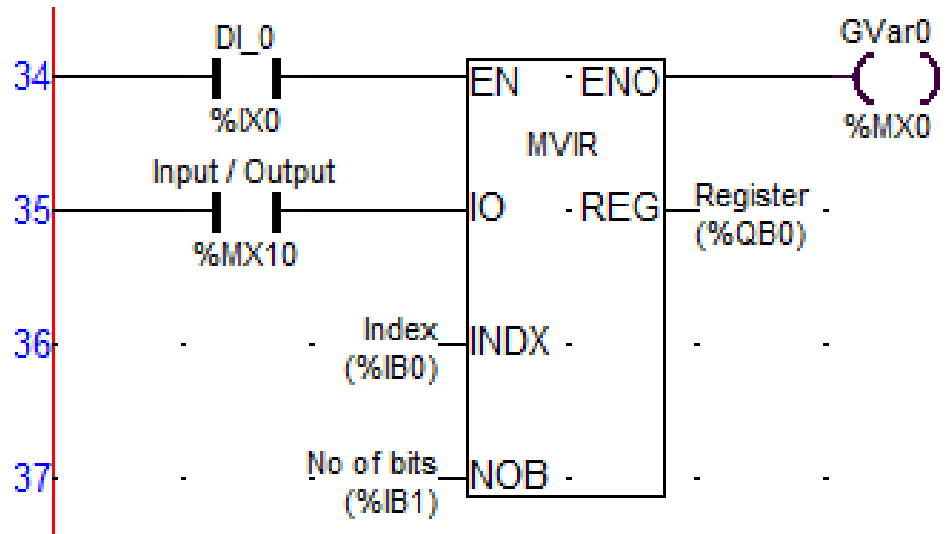
Help

3. Adding register

Scope:	Global	OK	Cancel
Select Variable:	NONE	Add Variable	Help

Variable Name:	Index	Address:	%IW2
Variable Type:	VAR_INPUT	Initial Value:	
Data Type:	UINT		
Retention:	NO		
Description:			

4. After adding register



Input :

Signal	Description
EN	Enables block operation
Input / Output	Input / Output coil selection I_O = Low, Input Coils would be selected I_O = High, Output Coils would be selected
No of bits	Number of coils to be set
REGISTER	Value to be converted in binary

Output :

Signal	Description
ENO	Indicates completion of operation
Register	Converted value

When DI_0 is high then following calculations take place and GVar0 turns High (ON).

Case	Initial Value	Calculation	Result
I_O = Low	INDX = 2 and NOB = 5 %IX2 = High %IX3 = Low %IX4 = High %IX5 = Low %IX6 = Low	I_O = Low, Input Coils would be selected. INDX = 2, Input coils having coil address starting from 2 <u>i.e.</u> , %IX2 would be selected NOB = 5, 5 input coils starting from %IX2 to %IX6 would be selected The binary status of coils from %IX2 to %IX5 is converted into a decimal value and stored in REG If %IX2=D0=1, %IX3=D1=0, %IX4=D2=1, %IX5=D3=0, %IX6=D4=0 REG in Binary = D4D3D2D1D0 Therefore, REG in Binary = 00101 Therefore, REG in Decimal = 5	REG = 5

Note : Refer Modbus table for Coil Address and enter it in the initial value of index variable

Case	Initial Value	Calculation	Result
I_O = High	INDX = 2 and NOB = 5 %QX2 = High %QX3 = High %QX4 = High %QX5 = High %QX6 = High	I_O = High, Output Coils would be selected INDX = 2, Output coils having coil address starting from 2 <u>i.e.</u> , %QX2 would be selected NOB = 5, 5 Output coils starting from %QX2 to %QX6 would be selected The binary status of coils from %QX2 to %QX5 is converted into a decimal value and stored in REG If %QX2=D0=1, %QX3=D1=1, %QX4=D2=1, %QX5=D3=1, %QX6=D4=1 REG in Binary = D4D3D2D1D0 Therefore, REG in Binary = 11111 Therefore, REG in Decimal = 31	REG = 31

Note : Refer Modbus table for Coil Address and enter it in the initial value of index variable

EXIT