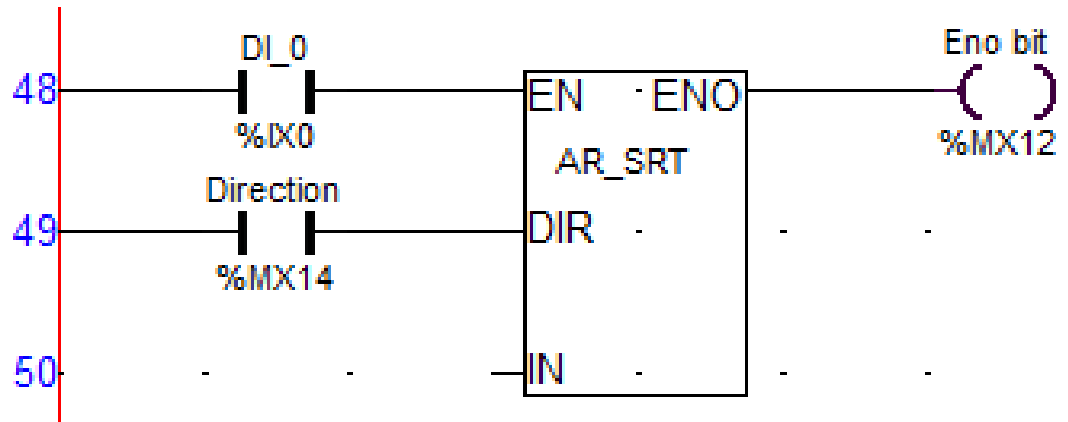


1. Double click on Array register to which assign the values.



2. Click on add variable

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

3. Enter Array Size

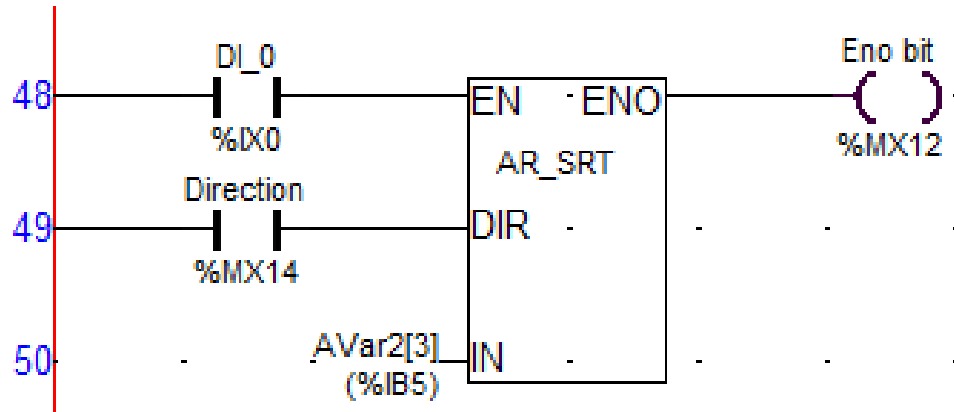
Scope:	Array	OK	Cancel
Select Variable:	NONE	Add Variable	Help

Variable Name:	AVar2	Address:	%IB8	
Variable Type:	VAR_INPUT	Initial Value:	1;4;7;	Set
Data Type:	SINT	Size:	3	
Retention:	NO			
Description:				

4. After Entered Array Size click on Set and enter the initial value

	Variable Name	Array Index	Address	Initial Value
0	AVar2	0	%IB5	1
1	AVar2	1	%IB6	4
2	AVar2	2	%IB7	7

5.After adding register.



Input :

Signal	Data type	Description
EN	BOOL	Enables block operation
DIR	BOOL	0 for ascending and 1 for descending
VAR	SINT, INT, DINT, USINT, UINT, UDINT, REAL, LREAL, TIME, DATE, TOD, WORD, DWORD	Array variable to be sorted

6. Calculation

When DI_0 is HIGH following operation takes place and Eno_Bit turns ON(HIGH)

Avar0[3] = {1, 4, 7}

1. if DIR = 0 (Ascending Order)
After Successful Sort Operation
Avar0[3] = {1, 4, 7}
2. if DIR = 1 (Descending Order)
After Successful Sort Operation
Avar0[3] = {7, 4, 1}