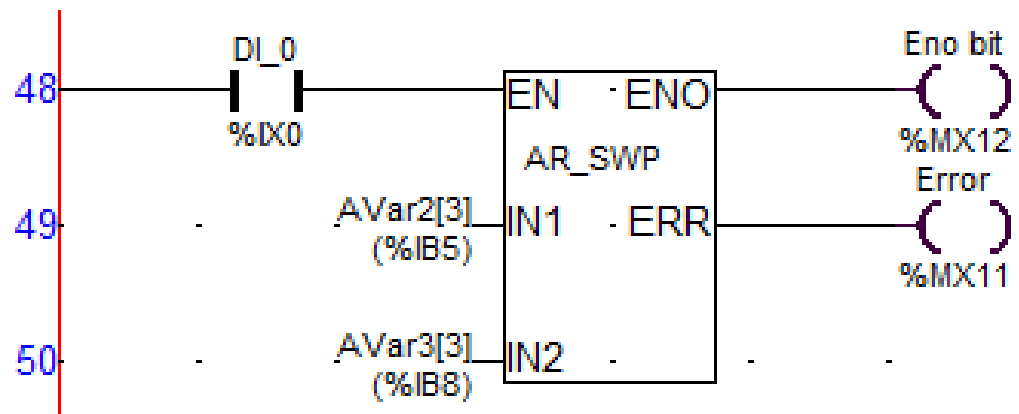


1.After adding array register.



Input :

Signal	Data type	Description
EN	BOOL	Enables block operation
VAR1	SINT, INT, DINT, USINT, UINT, UDINT, REAL, LREAL, TIME, DATE, TOD, WORD, DWORD	First Array variable to be swapped
VAR2	SINT, INT, DINT, USINT, UINT, UDINT, REAL, LREAL, TIME, DATE, TOD, WORD, DWORD	Second Array variable to be swapped

2. Calculation

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

Avar2[3] = {1, 4, 7}

1. Avar3[3] = {0, 1, 2}
After Successful Swap Operation
Avar2[3] = {0, 1, 2}
Avar3[3] = {1, 4, 7}
ERR = 0
2. Avar3[4] = {0, 1, 2, 3}
After Successful Swap Operation
Avar2[3] = {1, 4, 7}
Avar3[4] = {0, 1, 2, 3}
ERR = 1