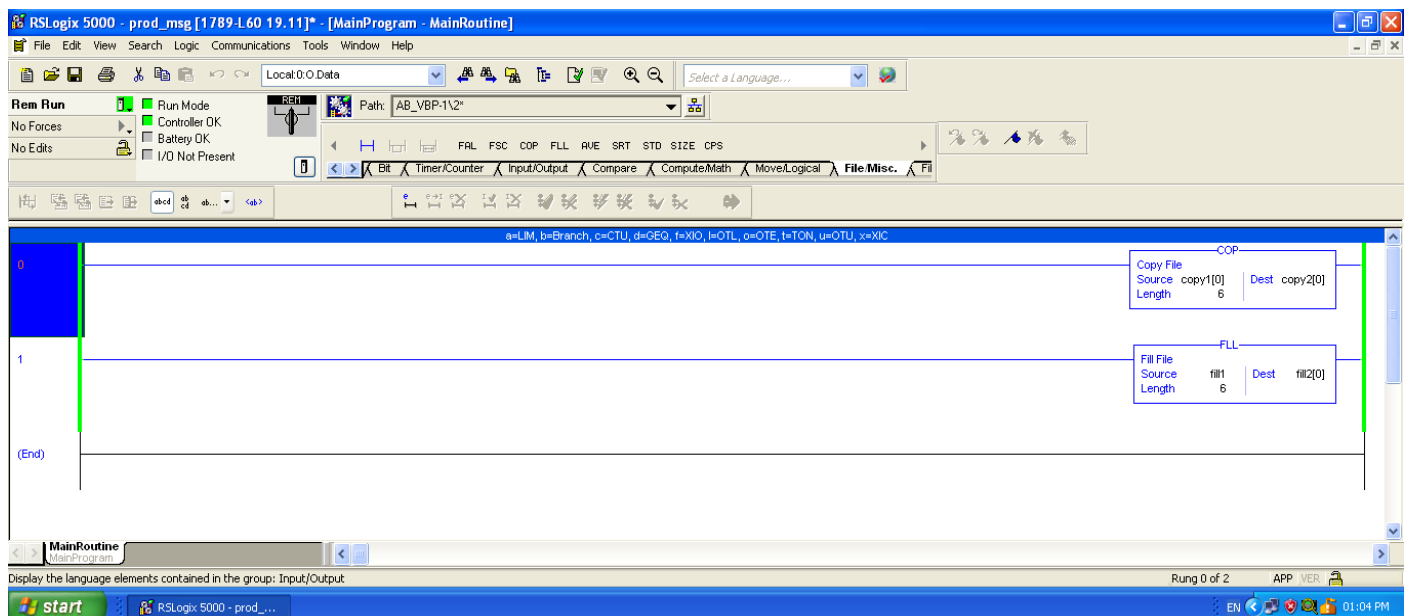
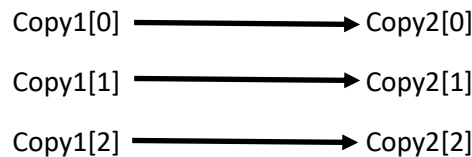


The Copy and Fill Instructions

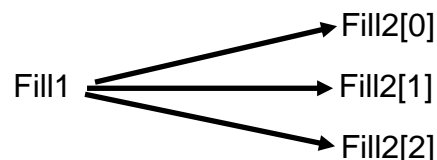
COP(Copy)

The **COP** instruction copies a series of tag array elements into a different location or tag. The example below, shows tag copy1[0] being copied to copy2[0] for a length of 6 elements. This means that the elements will be copied from element 0 to element 5 in sequence to element 0 in the copy2 tag. The example shown below is an always true rung so the COP is always working. A condition can be placed in the rung if required. The value transfer behaves as follows.



FLL(Fill)

The **FLL** instruction also works with array elements. A single array element is placed in the Source and this value will be copied into multiple array elements in the destination. The above example shows tag Fill1 being copied into tag Fill2[0] for a length of 6 elements so it will behave as shown below.



RSLogix 5000 - prod_msg [1789-L60 19.11]* - [Controller Tags - prod_msg(controller)]

File Edit View Search Logic Communications Tools Window Help

Local I/O Data Select a Language...

Rem Run Run Mode Controller OK Battery OK I/O Not Present

Path: AB_VBP-112*

FAL FSC COP FLL AVE SRT STD SIZE CPS

File Misc.

Scope: prod_msg Show: All Tags Enter Name Filter...

Name	Value	Force Mask	Style	Data Type	Description
- copy1	{...}	{...}	Decimal	DINT[6]	
+ copy1[0]	12345		Decimal	DINT	
+ copy1[1]	5678		Decimal	DINT	
+ copy1[2]	10000		Decimal	DINT	
+ copy1[3]	5888		Decimal	DINT	
+ copy1[4]	999444		Decimal	DINT	
+ copy1[5]	66677		Decimal	DINT	
- copy2	{...}	{...}	Decimal	DINT[6]	
+ copy2[0]	12345		Decimal	DINT	
+ copy2[1]	5678		Decimal	DINT	
+ copy2[2]	10000		Decimal	DINT	
+ copy2[3]	5888		Decimal	DINT	
+ copy2[4]	999444		Decimal	DINT	
+ copy2[5]	66677		Decimal	DINT	
+ fill1	455678		Decimal	DINT	
- fill2	{...}	{...}	Decimal	DINT[6]	

Monitor Tags Edit Tags /

Create Copy File Instruction

start RSLogix 5000 - prod... EN 01:07 PM

The example above shows how the COP values are copied and the one below shows how the FLL values are copied.

RSLogix 5000 - prod_msg [1789-L60 19.11]* - [Controller Tags - prod_msg(controller)]

File Edit View Search Logic Communications Tools Window Help

Local I/O Data Select a Language...

Rem Run Run Mode Controller OK Battery OK I/O Not Present

Path: AB_VBP-112*

FAL FSC COP FLL AVE SRT STD SIZE CPS

File Misc.

Scope: prod_msg Show: All Tags Enter Name Filter...

Name	Value	Force Mask	Style	Data Type	Description
+ copy1	{...}	{...}	Decimal	DINT[6]	
+ copy2	{...}	{...}	Decimal	DINT[6]	
+ fill1	455678		Decimal	DINT	
- fill2	{...}	{...}	Decimal	DINT[6]	
+ fill2[0]	455678		Decimal	DINT	
+ fill2[1]	455678		Decimal	DINT	
+ fill2[2]	455678		Decimal	DINT	
+ fill2[3]	455678		Decimal	DINT	
+ fill2[4]	455678		Decimal	DINT	
+ fill2[5]	455678		Decimal	DINT	

Monitor Tags Edit Tags /

start RSLogix 5000 - prod... EN 01:07 PM