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BC10ArrFifo

B = *Buffer*

C = *Calculation Functions*

The BC10ArrFifo function manages a buffer of first input - first output type. The function requires an input value in the '**ElementIn**' variable that is buffered to the required position (through the '**PuntatIn**' variable) and slides all values of the buffer until the element indicated by the '**PuntatOut**' variable. This value comes from the buffer and ends in the '**ElementOut**' variable.

IMPLEMENTATATION

BC10ArrFifo (Buffer, elementIn, elementOut, PuntatIn, PuntatOut)

Parameters:

IN/OUT	VARIABLE TYPE	EXAMPLE NAME	DIM	
IN	ARRSYS	Buffer	B/W/L/S	Array containing the Buffer
IN	SYSTEM	ElementIn	B/W/L/S	Var that contains the value to be placed in the buffer
IN	SYSTEM	ElementOut	B/W/L/S	Var that contains the value that comes from the buffer
IN	SYSTEM	PuntatIn	L	Var that contains the item number of the buffer at which to insert the new value
OUT	SYSTEM	PuntatOut	L	Var that contains the buffer element number from which we extract the value

Ezample

Inserts each according to the count value to a device in the buffer (eliminating the first introduced)

```
MAIN:
      IF tmTimer
            tmTimer = 1000
            elementIn = count:posit
            BC10ArrFifo (BufferS, elementIn, elementOut, PuntatIn,PuntatOut)**
      ENDIF
```

Note

- If the **PuntatIn** parameter or **PuntatOut** parameter is 0, the function take as value, the first element of the buffer and the last element of the buffer.
- The function executes a WAIT every 150ms.