

Table of Contents

BC21PopBuf	3
<i>IMPLEMENTATION</i>	3
Error	3

BC21PopBuf

B = Buffer

C = Calculation functions

The BC21PopBuf function extracts a value from a FIFO memory. FIFO memory is implemented using a variable of array type.

IMPLEMENTATION

BC21PopBuf (array, Element, ErrorCode, head, tail)

Parameters:

IN/OUT	VARIABLE TYPE	EXAMPLE NAME	DIM	
IN	ARRGBL / ARRSYS	Buffer	B/W/L/S	Array containing the Buffer
OUT	GLOBAL	Element	L/S / W / B	Variable on which you place the value retrieved from the buffer
OUT	GLOBAL	ErrorCode	F	Variable containing the error possibly occurred during insertion of the value
IN	GLOBAL / SYSTEM	head	L	Internal index
IN	GLOBAL / SYSTEM	tail	L	Internal index

Error

After calling the function if there are any errors the error (ErrorCode) variable takes the following values:

- 0 - No error, extract data
- 1 - The FIFO memory is empty

Example

Extracts a data by the buffer queue and places it in the variable "glDato" at every front of the "gfEstrai" variable

```

MAIN:
  IF gfExtract
    gfExtract = 0
    BC21PopBuf (Buffer, Element, ErrorCode, gl001, gl002)
    IF NOT ErrorCode
      glDato = Element
    ENDIF
  ENDIF

```

Note

- The use of this function is linked to the **BC21InitBuf** function that initializes the buffer and that must be called at least once before the BC20PushBuf function.
- Complementary to this function is the **BC21PushBuf** function who places a data in the FIFO memory.

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