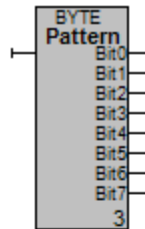


## Function Block 107

## 1of12 PATTERN SELECTOR

### Function Description

The function block provides for the selection of 12 pattern/literal values according to the Byte value present at the input. For each input value from 0 to 10 a pattern can be selected, and for all input values =>11 a value. The function block output is 8 Bit values with Bit0 being the least significant.



### Popup Parameters

- 11 Literal values to output when the input ranges from 0 to 10 and one literal for when input is =>11.
- Execution sequence number.

Function Block type: FB107

Select 1-of-12 Pattern values

Input	Value	Pattern
Input = 0	183	10110111
Input = 1	17	00010001
Input = 2	173	10101101
Input = 3	157	10011101
Input = 4	27	00011011
Input = 5	158	10011110
Input = 6	190	10111110
Input = 7	21	00010101
Input = 8	191	10111111
Input = 9	159	10011111
Input = 10	8	00001000
Input = >11	0	00000000

Execution Sequence Nr.

Current: 1  
New: 0

Cancel Accept

### Input/Output and Parameters

Type	Description	Data Type	Range
Inputs 1	Select 1 of 12 literals	Byte	0..255
Output Bit0....Bit7	Output pattern. Bit0 is LSB	Bit	0 or 1

### Application

This function block is particularly useful when driving 7-segment display digits.

### Notes

Function blocks 107 can be executed in Cyclic and Time tasks.