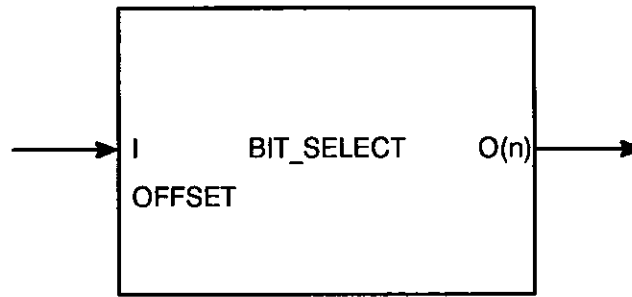


9.0 BIT SELECT

This function can be used in AutoMax Control Block tasks only. It cannot be used in UDC Control Block tasks.



'n' = 0 ... 15

Function

If $(\text{INPUT} - \text{OFFSET}) \geq 0$ and $(\text{INPUT} - \text{OFFSET}) \leq 15$
then $\text{OUTPUT}(\text{INPUT} - \text{OFFSET})$ is set TRUE

All other outputs(n) are set FALSE

else

All outputs(n) are set FALSE

Program Statement

CALL BIT_SELECT(INPUT=input%, OFFSET=offset%,
OUTPUT0=output0@, ...OUTPUTn=outputn@)

&

Inputs

I (INPUT) =

Signal input, type INTEGER. This parameter must be specified.

OFFSET (OFFSET) =

Offset input value, type INTEGER. This parameter is optional. The default value is zero if not specified. This value is subtracted from INPUT to calculate the index (0-15) for OUTPUT(n).

Outputs

O(n) (OUTPUT) =

Data output 0...15, type BOOLEAN. The outputs can be specified in any order.

Notes

1. The order in which the outputs (output0...output15) are programmed is unimportant. However, a minimum of one output must be programmed. If this requirement is not met, a compilation error will occur.