$LGF_SplitDWordToBits$

Short description

This block converts a DWord variable into 32 Boolean variables.

Block

	FC LGF_SplitDWordToBits		
DWORD	doubleWord	bit31	BOOL
		bit30	BOOL
		bit29	BOOL
		bit28	BOOL
		bit27	BOOL
		bit26	BOOL
		bit25	BOOL
		bit24	BOOL
		bit23	BOOL
		bit22	BOOL
		bit21	BOOL
		bit20	BOOL
		bit19	BOOL
		bit18	BOOL
		bit17	BOOL
		bit16	BOOL
		bit15	BOOL
		bit14	BOOL
		bit13	BOOL
		bit12	BOOL
		bit11	BOOL
		bit10	BOOL
		bit9	BOOL
		bit8	BOOL
		bit7	BOOL
		bit6	BOOL
		bit5	BOOL
		bit4	BOOL
		bit3 bit2	BOOL BOOL
		bit1	BOOL
		bit0	BOOL BOOL
		DitO	BOOL

Input parameters

Parameters	Data type	Description
doubleWord	DWORD	Bit sequence to be parsed

Output parameters

Parameters	Data type	Description
bit31	BOOL	Bit variables, in which the individual bits are stored
bit0		

Further information on libraries in TIA Portal:

- Topic page libraries
 https://support.industry.siemens.com/cs/ww/en/view/109738702
- Guideline on Library Handling https://support.industry.siemens.com/cs/ww/en/view/109747503
- Programming Guideline for S7-1200/1500 in chapter "Libraries" https://support.industry.siemens.com/cs/ww/en/view/81318674
- Programming Styleguide
 https://support.industry.siemens.com/cs/ww/en/view/81318674