

## LGF\_IsParityOdd

### Short description

The block checks whether the parity of the input variable of type DWORD is odd. The return value is set to "TRUE" if the number of bits that are assigned "1" in the sequence is odd.

### Block



### Input parameters

Parameters	Data type	Description
doubleWord	DWORD	Variable for which the parity is to be determined.

### Output parameters

Parameters	Data type	Description
Ret_Val	BOOL	TRUE: When the number of bits that are assigned "1" is odd

### 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>