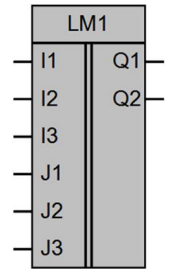


Majority function LM



Input	Data type	Description
I1	BOOL	Gate 1
I2	BOOL	Gate 1
I3	BOOL	Gate 1
J1	BOOL	Gate 2
J2	BOOL	Gate 2
J3	BOOL	Gate 2
Output	Data type	Description
Q1	BOOL	Gate 1
Q2	BOOL	Gate 2

Function

The macro is composed of two equal and independent majority gates. A majority gate returns true if and only if more than 50% of its inputs are true.

Truth table

I1	0	1	0	1	0	1	0	1	J1	0	1	0	1	0	1	0	1
I2	0	0	1	1	0	0	1	1	J2	0	0	1	1	0	0	1	1
I3	0	0	0	0	1	1	1	1	J3	0	0	0	0	1	1	1	1
Q1	0	0	0	1	0	1	1	1	Q2	0	0	0	1	0	1	1	1

Devices	PR110, PR114, PR200
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