

Lookup table descriptions of system variant VL4 implemented by Meth8

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The two model types of M1 and M2 are respectively: {False, Contingent, Non contingent, True}; {Unevaluated, Improper, Proper, Evaluated}.

VL4		~VL4	
M1	M2	~M1	~M2
F	U	T	E
C	I	N	P
N	P	C	I
T	E	F	U

1		21		22		231		232	
#	%	#	%	#	%	#	%	#	%
F.	F C	U.	U U	U	E E	U	P P	U	I I
C.	F C	I.	I I	U	E E	I	E E	U	I I
N.	N T	P.	P P	U	E E	U	P P	P	E E
T.	N T	E.	E E	U	E E	I	E E	P	E E

< Definitions of the five models.
Necessity, % Possibility

The connectives by model types 1 and 2 are: & And, \ Not and, + Or, - Not or, < Not imply, = Equivalent, > Imply, @ Not equivalent.

These are look up truth tables for the four rows major concatenated.

1 &	. F,F,F,F . F,C,F,C . F,F,N,N . F,C,N,T
1 \	. T,T,T,T . T,N,T,N . T,T,C,C . T,N,C,F
1 +	. F,C,N,T . C,C,T,T . N,T,N,T . T,T,T,T
1 -	. T,N,C,F . N,N,F,F . C,F,C,F . F,F,F,F
1 <	. F,F,F,F . C,F,C,F . N,N,F,F . T,N,C,F
1 =	. T,N,C,F . N,T,F,C . C,F,T,N . F,C,N,T
1 >	. T,T,T,T . N,T,N,T . C,C,T,T . F,C,N,T
1 @	. F,C,N,T . C,F,T,N . N,T,F,C . T,N,C,F
2 &	. U,U,U,U . U,I,U,I . U,U,P,P . U,I,P,E
2 \	. E,E,E,E . E,P,E,P . E,E,I,I . E,P,I,U
2 +	. U,I,P,E . I,I,E,E . P,E,P,E . E,E,E,E
2 -	. E,P,I,U . P,P,U,U . I,U,I,U . U,U,U,U
2 <	. U,U,U,U . I,U,I,U . P,P,U,U . E,P,I,U
2 =	. E,P,I,U . P,E,U,I . I,U,E,P . U,I,P,E
2 >	. E,E,E,E . P,E,P,E . I,I,E,E . U,I,P,E
2 @	. U,I,P,E . I,U,E,P . P,E,U,I . E,P,I,U