

Case #1

$$((\neg(u \oplus y)) \wedge ((v \vee (z \vee (\neg((\neg x) \oplus y)))) \wedge (((\neg u) \rightarrow v) \oplus (z \rightarrow v))))$$

x	y	z	u	v	$A = u \oplus y$	$B = \neg A$	$C = \neg x$	$D = C \oplus y$	$E = \neg D$	$F = z \vee E$	$G = v \vee F$	$H = \neg u$	$I = H \rightarrow v$	$J = z \rightarrow v$	$K = I \oplus J$	$L = G \wedge K$	$M = B \wedge L$
0	0	0	0	0													
0	0	0	0	1													
0	0	0	1	0													
0	0	0	1	1													
0	0	1	0	0													
0	0	1	0	1													
0	0	1	1	0													
0	0	1	1	1													
0	1	0	0	0													
0	1	0	0	1													
0	1	0	1	0													
0	1	0	1	1													
0	1	1	0	0													
0	1	1	0	1													
0	1	1	1	0													
0	1	1	1	1													
1	0	0	0	0													
1	0	0	0	1													
1	0	0	1	0													
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1	0	1	0	1													
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1	1	1	0	0													
1	1	1	0	1													
1	1	1	1	0													
1	1	1	1	1													

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x	y	z	u	v	$A = u \oplus y$	$B = \neg A$	$C = \neg x$	$D = C \oplus y$	$E = \neg D$	$F = z \vee E$	$G = v \vee F$	$H = \neg u$	$I = H \rightarrow v$	$J = z \rightarrow v$	$K = I \oplus J$	$L = G \wedge K$	$M = B \wedge L$
0	0	0	0	0	0	1	1	1	0	0	0	1	0	1	1	0	0
0	0	0	0	1	0	1	1	1	0	0	1	1	1	1	0	0	0
0	0	0	1	0	1	0	1	1	0	0	0	0	1	1	0	0	0
0	0	0	1	1	1	0	1	1	0	0	1	0	1	1	0	0	0
0	0	1	0	0	0	1	1	1	0	1	1	1	0	0	0	0	0
0	0	1	0	1	0	1	1	1	0	1	1	1	1	1	0	0	0
0	0	1	1	0	1	0	1	1	0	1	1	0	1	0	1	1	0
0	0	1	1	1	1	0	1	1	0	1	1	0	1	1	0	0	0
0	1	0	0	0	1	0	1	0	1	1	1	1	0	1	1	1	0
0	1	0	0	1	1	0	1	0	1	1	1	1	1	1	0	0	0
0	1	0	1	0	0	1	1	0	1	1	1	0	1	1	0	0	0
0	1	0	1	1	0	1	1	0	1	1	1	0	1	1	0	0	0
0	1	1	0	0	1	0	1	0	1	1	1	1	0	0	0	0	0
0	1	1	0	1	1	0	1	0	1	1	1	1	1	1	0	0	0
0	1	1	1	0	0	1	1	0	1	1	1	0	1	0	1	1	1
0	1	1	1	1	0	1	1	0	1	1	1	0	1	1	0	0	0
1	0	0	0	0	0	1	0	0	1	1	1	1	0	1	1	1	1
1	0	0	0	1	0	1	0	0	1	1	1	1	1	1	0	0	0
1	0	0	1	0	1	0	0	0	1	1	1	0	1	1	0	0	0
1	0	0	1	1	1	0	0	0	1	1	1	0	1	1	0	0	0
1	0	1	0	0	0	1	0	0	1	1	1	1	0	0	0	0	0
1	0	1	0	1	0	1	0	0	1	1	1	1	1	1	0	0	0
1	0	1	1	0	1	0	0	0	1	1	1	0	1	0	1	1	0
1	0	1	1	1	1	0	0	0	1	1	1	0	1	1	0	0	0
1	1	0	0	0	1	0	0	1	0	0	0	1	0	1	1	0	0
1	1	0	0	1	1	0	0	1	0	0	1	1	1	1	0	0	0
1	1	0	1	0	0	1	0	0	1	0	0	0	0	1	0	0	0
1	1	0	1	1	0	1	0	0	1	0	0	1	0	1	1	0	0
1	1	1	0	0	1	0	0	1	0	1	1	1	0	0	0	0	0
1	1	1	0	1	1	0	0	1	0	1	1	1	1	1	0	0	0
1	1	1	1	0	0	1	0	0	1	0	1	1	0	0	1	1	1
1	1	1	1	1	0	1	0	0	1	0	1	1	0	1	0	0	0