

$$(x \uparrow y) \oplus (x \oplus z)$$

x	y	z	$x \uparrow y$	$x \oplus z$	$(x \uparrow y) \oplus (x \oplus z)$
0	0	0	1	0	1
0	0	1	1	1	0
0	1	0	0	0	0
0	1	1	0	1	1
1	0	0	0	1	1
1	0	1	0	0	0
1	1	0	1	1	0
1	1	1	1	0	1

$$\left(\overline{(x \wedge y)} \wedge \overline{((\bar{x} \wedge z) \vee (x \wedge \bar{z}))} \right) \\ \vee \left(\overline{(x \wedge y)} \wedge ((\bar{x} \wedge z) \vee (x \wedge \bar{z})) \right)$$