&	0	1	x
0	0	0	0
1	0	1	x
x	0	x	x

|	0	1	x
0	0	1	x
1	1	1	1
x	x	1	x

^	0	1	x
0	0	1	x
1	1	0	x
x	x	x	x

~^	0	1	x
0	1	0	x
1	0	1	x
x	x	x	x

Figure 4.39 Truth tables for bitwise operators.