<b>x</b> + <b>0</b>	=	x
x + 1	=	1
x · 0	=	0
x · 1	=	x
<b>x</b> + <b>x</b>	=	x
x + x'	=	1
x · x	=	x
x · x'	=	0
(x')'	=	x
х • у	=	у • х
<b>x</b> + <b>y</b>	=	<b>y</b> + <b>x</b>
x · (y · z)	=	(x ⋅ y) ⋅ z
x + (y + z)	=	(x + y) + z
x · (y + z)	=	$(x \cdot y) + (x \cdot z)$
x + (y · z)	=	$(x + y) \cdot (x + z)$
x · (x + y)	=	x
x + (x · y)	=	x
(x ⋅ y)'	=	x' + y'
(x + y)'	=	x' · y'

Figure 25.1 Rules of Boolean algebra that can be used to simplify Boolean expressions.