

Inputs		Outputs
x	y	xy
0	0	0
0	1	0
1	0	0
1	1	1

Table 3.1
Truth Table for AND

Inputs		Outputs
x	y	$x + y$
0	0	0
0	1	1
1	0	1
1	1	1

Table 3.2
Truth Table for OR

Inputs	Outputs
x	$x' (\overline{x})$
0	1
1	0

Table 3.3
Truth Table for NOT

Inputs					Output
x	y	z	y'	$y'z$	$x + y'z = F$

Table 3.4
Truth Table for $F(x, y, z) = x + y'z$

Inputs					Output
x	y	z	y'	$y'z$	$x + y'z = F$

Table 3.4
Truth Table for $F(x, y, z) = x + y'z$

Inputs					Output
x	y	z	y'	$y'z$	$x + y'z = F$
0	0	0	1	0	0
0	0	1	1	1	1
0	1	0	0	0	0
0	1	1	0	0	0
1	0	0	1	0	1
1	0	1	1	1	1
1	1	0	0	0	1
1	1	1	0	0	1

Table 3.4
Truth Table for $F(x, y, z) = x + y'z$