

HW 4-1

1.

(a)

x	y	z	A	B	C
0	0	0	0	1	1
0	0	1	0	0	0
0	1	0	1	0	1
0	1	1	1	1	0
1	0	0	0	1	1
1	0	1	1	0	0
1	1	0	1	0	1
1	1	1	1	1	0

(b)

<A>

x \ yz	00	01	11	10
0			1	1
1	1	1	1	1

$$A = y + xz$$

x \ yz	00	01	11	10
0			1	
1	1		1	

$$B = y'z' + yz$$

<C>

x \ yz	00	01	11	10
0	1			1
1	1			1

$$C = z'$$

(c)

