Problem 1 (b)

O'

b'

d

a

c'

i)
$$g = (a'+b+c)(b'+d)(a+c')$$

ii) $g = a'b'c'+bc'd+acd+ab'c$

page 105;

Problem 13

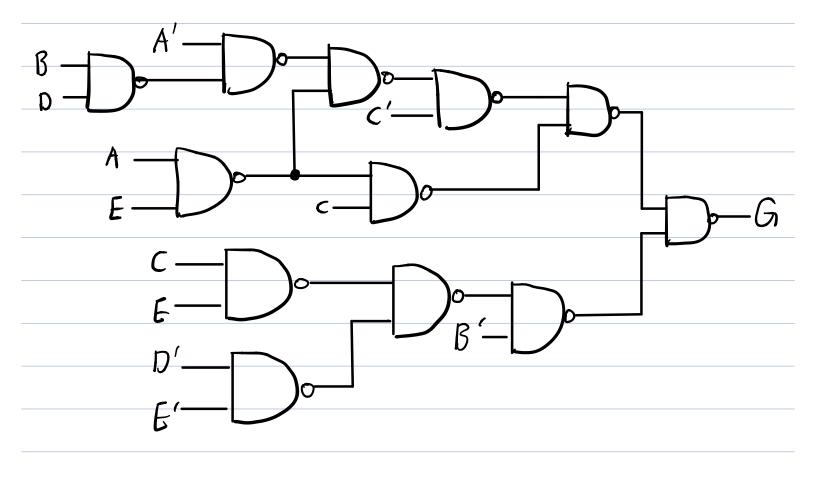
 $f(x,y,z) = Z m(0,24,6)$

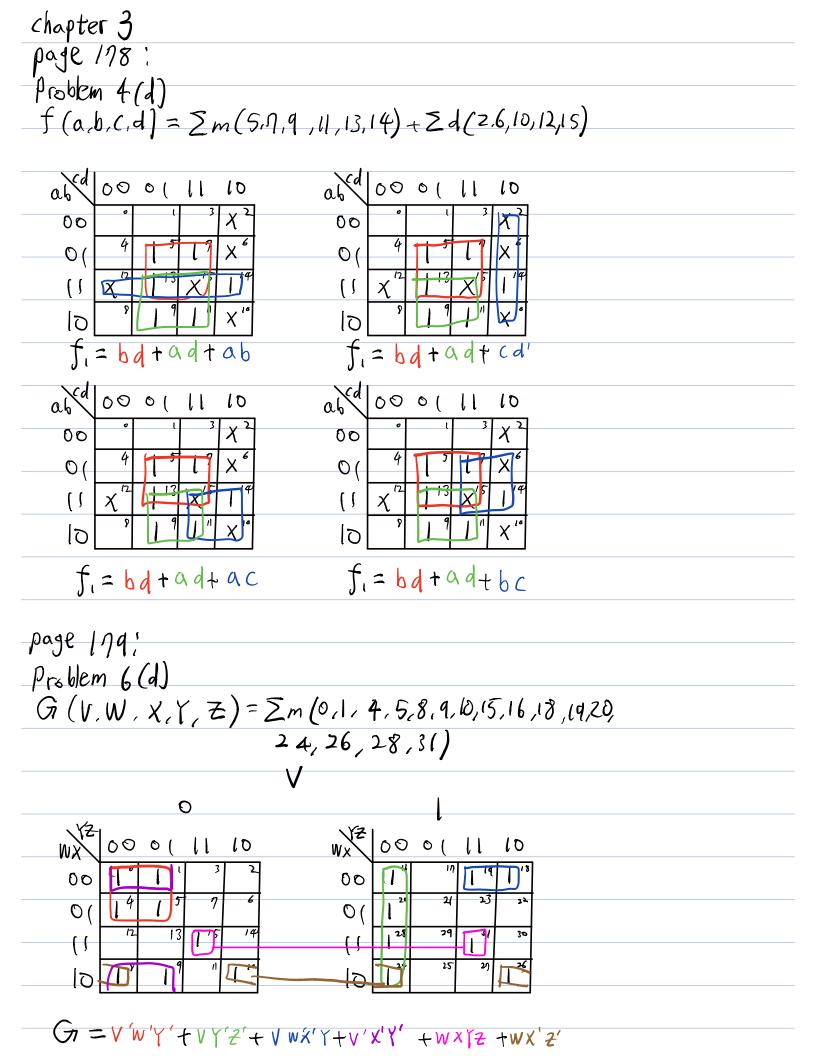
(d) $f(x,y,z) = Z m(0,24,6,7)$
 $f'(x,y,z) = Z m(0,2,4,5,7)$
 $f'(x,y,$

Problem 25 (e)

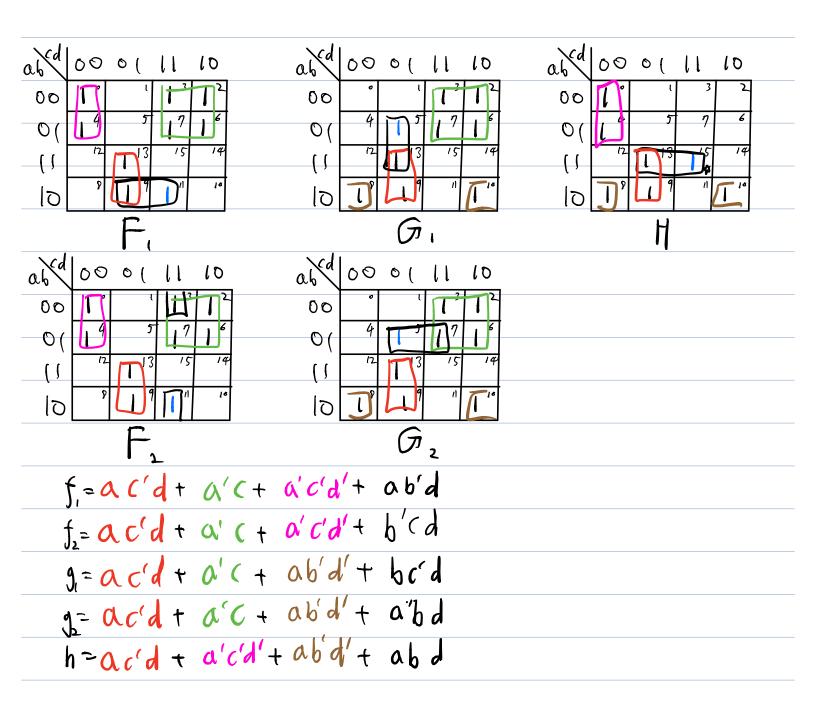
Gr = B'D'E' + A'BC'D+ACE+AC'E'+B'CE

(12 gates, one of which is shared)





Page 180 : Problem 7(g)



Page 182; Test Problem 5

cd ob	00	0 (ll	10
00	0	0	X	0
0(X		X	
()			٥	X
[5	0	X	٥	0

dob	00	0 (10
00	٥	٥	X	0
0(X	-	X	
(,			٥	X
O	0	X	δ	0

(dob	00	0 (ll	10
00	0	0	X	0
0(X	ł	X	1
()			٥	X
D	0	X	0	0

$$f' = d' + ab$$

$$(f')' = (d' + ab)'$$

$$= d \cdot (ab)'$$

$$= d \cdot (a' + b')$$