

Canonical SOp=W'X'Y'Z'+W'X'Y'Z'+W'XY'Z'+W'XYZ'+WX'YZ'

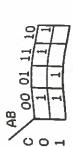
+WX'Y'Z+WX'YZ'+WX'YZ+WXY'Z'

Canonical POS=(W+X+Y+Z')(W+X+Y'+Z')(W+X'+Y'Z')

(W+X+Y+Z')(W'+X'+Y'+Z')(W'+X'+Y+Z')

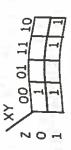
(W'+X'+Y'+Z')(W'+X'+Y'+Z')

3.5 (a) F(A,B,C)=(A+B')C'+A'C



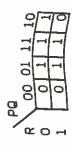
F= 2 m(0,1,3,4,6)

(b) F(X, Y, Z) = (X+Y')(X'+Z)(Z+Y')



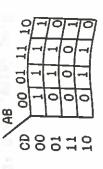
 $F = \sum m(0,1,5,7)$

(c) F(P,0,R)=TM(0,1,5)

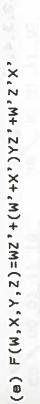


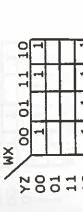
F=\(\S\4,6,7)

(d) F(A,B,C,D)=∏M(1,2,3,7,9,10,15)



 $F=\sum_{m}(0,4,5,6,8,11,12,13,14)$





 $F = \sum_{m} (0, 2, 6, 8, 10, 12, 14)$

(f) F(A,B,C)=1

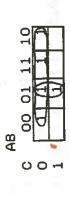


 $F=\sum m(0,1,2,3,4,5,6,7)$

(g) F(A,B,C)=0

F=No minterms

3.6 (a)F=∑m(0,2,3,4,6)



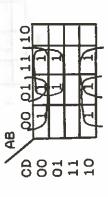
F=A'B+C'

(b)F=∏M(0,1,4)



F=AC+B

(c)F=BC'D'+BC'D+A'C'D'+BCD'+A'B'C'D'



F=A'D'+BC'+BD'

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