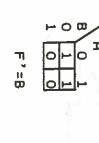
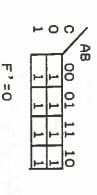


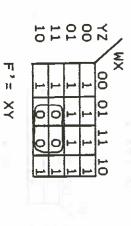
3.3(1) F=AB'+A'(A+B')=B'



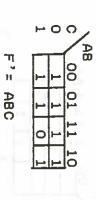
(2) F=A'B(C+A')+((AB)(B'+C'))'+(ABC)'



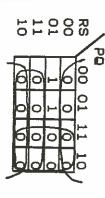
(3) F=W'X'(Y'+Z'W')+(XYZ)'(X'+W'X')+(X'+Y')



(4) F=A'BC'+(ABC)'+AB'(C'+B')

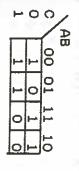


(5) F=PQ'(R'S'+P'Q')RS'+(P+QR)'SR'



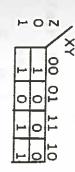
3.4 (1) F(A,B,C)=(A+B')C'+A'C

F'=P+S'+R



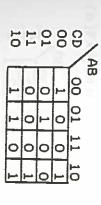
Canonical SOP =A'B'C'+A'B'C+A'BC+AB'C'+ABC' Canonical POS =(A+B'+C)(A'+B+C')(A'+B'+C')

(2) F(X,Y,Z)=(X'+Y')(X'+Z)+ZY'



Canonical SOP=X'Y'Z'+X'Y'Z+XY'Z+XYZ
Canonical POS=(X+Y'+Z)(X+Y'+Z')(X'+Y+Z)(X'+Y'+Z)

(3) F(A,B,C,D)=AB'C+A'BC'D+A'BCD'+B'D'



Canonical SOP=A'B'C'D'+A'B'CD'+A'BC'D+A'BCD'+AB'C'D'+ AB'CD'+AB'CD

Canonical POS=(A+B+C+D')(A+B+C'+D')(A+B'+C+D)
(A+B'+C'+D')(A'+B+C+D')(A'+B'+C+D)
(A'+B'+C+D')(A'+B'+C'+D)(A'+B'+C'+D')